Infor LX Configuration Guide for Infor Operating Service

LX 8.3.5
Infor Operating Service Portal or Ming.le 12.x or later

Publication Information

Release: Infor LX Configuration Guide v8.3.5; Infor OS Portal; Infor OS Portal or Ming.le 12.x

Publication date: August 16, 2024

Contents

About this guide

This guide provides information for the configuration and implementation of LX with Infor Operating Service.

Use this guide when LX and Infor Operating Service are both installed on-premises, or where some products are on-premises and some products are in the cloud.

Intended audience

This guide is intended for the system administrator or consultant who configures LX for use with Infor OS.

Related documents

You can find the documents at https://docs.infor.com, as described in "Contacting Infor" below.

If working with an LX localization, refer to documentation for your LX localization.

Contacting Infor

If you have questions about Infor products, go to Infor Concierge at https://concierge.infor.com/ and create a support incident.

The latest documentation is available at https://docs.infor.com. We recommend that you check this portal periodically for updated documentation.

If you have comments about Infor documentation, contact documentation@infor.com.

Chapter 1 Requirements

Ensure that all requirements are met.

Required products

Ensure that you have installed and configured these products:

- LX 8.3.5
  See the *Infor LX Installation Roadmap* and the *Infor LX Installation Guide*.
  Including the following:
    - LX Modification Requests (or a *ALL explosion)
      See the *Infor LX Modification Request (MR) Installation Instructions*.
        - MR 77800 Master MR for LX 8.3.5 changes to support LX Extension 2.1.006
        - MR 78425 Master MR for LX 8.3.5 changes to support LX Extension 2.2
        - MR 78295 LX 8.3.5 changes to Consume Journal Entry data as managed in EAM system
        - MR 80276 Master MR for LX 8.3.5 changes to support LX Extension 2.3
        - MR 78589 Master MR for User Provisioning
    - WebTop release 4.7 SP3 or later.
    - IDF release 06.10.83 or later for Infor OS Portal or Ming.le on premise.
    - Minimum IDF requirements for Infor OS Portal (Cloud) installations
        - IDF R10 – LXFix-06.10.83.01.14 for 8.4.5 or later client and LX server programs
        - Customers running WebTop 4.7 also see KB2307371 for pre-requisites to run WebTop 4.7 in Portal.
    - LX Extension 2.3.x (note: LX 8.3.5 can only be used with versions 2.2.x or 2.3.x of LX Extension).
- Infor Operating Service Portal (Cloud) or Infor Operating Service release 12 (recently rebranded as Infor OS 2020) or later

The server where you install Infor OS must be able to connect to the servers where you install LX and other BOD-enabled products.

SAML Session Provider is installed with Infor OS and must be configured correctly for your application.

See the *Infor Operating Service Installation Guide*.

- Infor Business Vault Enterprise Edition release 11.x (optional)

  See the *Infor ION Business Vault Installation Guide*. Ensure that you have completed the instructions for configuring Business Vault to run in Infor OS Portal or Ming.le.

Required information

Obtain this information before you begin the integration:

- Name of the LX instance or logical ID that is used to connect with Infor ION. See Logical ID on page 23 for information about how to set up the logical ID for your product.
- Credentials to connect to the application interface, for example, database user, password, server name, port or instance.
- Tenant ID that is used to connect the product to Infor OS in Infor ION. See Tenant ID on page 22 for information about the tenant ID and how to set it in your product.
- Enterprise organization structure, that is, accounting entities. See Accounting entity on page 22 for information about the accounting entity and how to set it in your product.
- Administrator account information for Infor OS Portal or Ming.le and ION.
- Names and location of files to import
    - The LX835_IFS12_Solution001.xml file is delivered with the LX Extension and when LX Extension is installed in the IBMi's IFS folder, the solution XML file can be found under the \doc\Solutions sub-folder. This solution XML file uses filter PersonIsSecurityUserFilter. For more information about filters, see the *ION Desk User Guide*.
    - The LX835_BV111_Solution001.xml file is delivered with the LX Extension and when LX Extension is installed in the IFS folder, the solution XML file can be found under the \doc\solutions sub-folder.
    - The ERP_LX_Connection_Point_V2.3.xml file is delivered with the LX Extension and when LX Extension is installed in the IFS folder, the solution XML file can be found under the \doc\Solutions sub-folder.
    - The LX835_CRM83_Solution001.xml file is delivered with the LX Extension and when LX Extension is installed in the IFS folder, the solution XML file can be found under the \doc\solutions sub-folder.
    - The LX835_EAM110_Solution001.xml file is delivered with the LX Extension and when LX Extension is installed in the IFS folder, the solution XML file can be found under the \doc\Solutions sub-folder. This solution XML file uses mapper

RemoveItemLocationFromItemMaster. For more information about mappers, see the *ION Desk User Guide*.

- The LX835_SCE1032_Solution001.xml file is delivered with the LX Extension and when LX Extension is installed in the IFS folder, the solution XML file can be found under the \doc\Solutions sub-folder.
- The LX835_SupplierExchange1146_Solution001.xml file is delivered with the LX Extension and when LX Extension is installed in the IFS folder, the solution XML file can be found under the \doc\solutions sub-folder. This solution XML file uses filter DiscretePurchaseOrderFilter. For more information about filters, see the *ION Desk User Guide*. This version of the solution XML file is for use with older versions of Infor's technology stack, prior to Infor OS 12 (recently rebranded Infor OS 2020).
- The LX835_SupplierExchange1146_Solution002.xml file is delivered with the LX Extension and when LX Extension is installed in the IFS folder, the solution XML file can be found under the \doc\solutions sub-folder. This solution XML file uses filter DiscretePurchaseOrderFilter. For more information about filters, see the *ION Desk User Guide*. This version of the solution XML file is for use with newer versions of Infor's technology stack, beginning with Infor OS 12 (recently rebranded Infor OS 2020).
- The LXStandardView_8.3.4.003.xml file is delivered with Infor Operating Service and is automatically deployed upon creation of an LX application in Portal or Ming.le. Modified versions of this file are delivered as part of an LX MR. If any more recent versions exist, then the most recent version can be downloaded as LXStandardView_8.3.4.nnn.xml or LXStandardView_8.3.5.nnn.xml (where nnn represents a sequential modification number starting with 001) from the Infor Product Download Center. Modified LXStandardView_8.3.5.002.xml has been delivered with MR 80276 and is available from the Infor Product Download Center.
- The LX835_SupplierInvoiceInbound_Solution001.xml file is delivered with the LX Extension and when LX Extension is installed in the IFS folder, the solution XML file can be found under the \doc\Solutions sub-folder. This solution XML file uses mapper TransformSupplierInvoiceLine. For more information about mappers, see the *ION Desk User Guide*.

- Name of the IBM i on which LX is installed.
- User ID and password on IBM i server on which LX is installed with *ALLOBJ authority and GRPPRF(SSA) OWNER(*GRPPRF) to be used for installation of LX Extension. If any LX libraries are deployed in an IASP, this user's job description's initial IASP group must have the IASP name.
- User ID and password on IBM i server on which LX is installed with sufficient LX authority (Setup in SYS600, example: an LX Security officer with authority to all LX products) to be used by LX Extension when handling any inbound message received from Infor ION. If any LX libraries are deployed in an IASP, this user's job description's initial IASP group must have the IASP name. This user also needs at least *CHANGE and *OBJMGT authority to any user profiles used as the group profile or as supplemental group profiles on the template user (specified in SYS802) that will be copied for creation of new user profiles in reaction to receiving inbound SyncSecurityUserMaster BODs from Infor OS Portal or Ming.le / IFS.
- User ID and password on IBM i server on which LX is installed with supplemental group profile AULSECOFR and authority to program SYS075, for performing export from LX to SiM and SiW.

- Names of LX environment control library (example: ERPLXEC) and LX data files library (example: ERPLXF)
- LX Extension information.
  - Name of a multi-threaded job queue and its library that can be used by LX Extension. We recommend that the job queue be in a subsystem with its own dedicated memory pool. The minimum memory recommendation is 1GB.
  - Outbound Port that receives messages from LX Extension and sends them to Infor ION (example: 9901). This port cannot be used for any other purpose. The IBM i netstat command can be used to help identify an available port.
  - Inbound Port that receives message from Infor ION and sends them to LX Extension (example: 9902). This port cannot be used for any other purpose. The IBM i netstat command can be used to help identify an available port.
  - Web Services Run Port that receives and processes inbound web services requests. This port cannot be used for any other purpose. The IBM i netstat command can be used to help identify an available port.
  - Web Services Stop Port that is used to end LX web services. This port cannot be used for any other purpose. The IBM i netstat command can be used to help identify an available port.
- WebTop information.
  - Name of the server on which WebTop is installed.
  - WebTop Socket Server Port that connects WebTop to LX, started by the STRSSRV command (example: 5926). This port cannot be used for any other purpose. The IBM i netstat command can be used to help identify an available port.
  - WebTop environment code for this LX instance.
  - WebTop logon URL (use the version that ends in .jsp not the version that ends in .htm or .html).
- IDF information.
  - Net-Link logon URL.
  - IDF environment code for this LXinstance.

Chapter 2 Configuration checklist

Follow this checklist to integrate this product with Infor ION:

Complete	Task	Reference
☐	Collect the documents listed in the next column from https://docs.infor.com. These documents are required for this configuration.	*Infor Operating Service Administration Guide* *ION Desk User Guide*
☐	Understand the concepts of ION and BODs, and how these concepts relate to this product.	*ION Desk User Guide*
☐	Review the description of how this product interacts with Infor OS.	"Integration with other products through ION" on page 20 "Concepts and definitions specific to this configuration" on page 22 "Integration of LX with Infor OS Portal or Ming.le" on page 25
☐	Set up compatibility for Internet Explorer browsers.	"Configuring your web browser" on page 29
☐	Configure security: Configure single-sign-on for System i Workspace	"Configuring security" on page 31 *System i Workspace v2015 - Installation & Admin Guide or System i Workspace Anywhere - Installation & Admin Guide* *Cloud administrators also see the Sytem i Workspace Anywhere Cloud Setup Guide on KB3511203.*

Complete	Task	Reference
☐	Add your application in Infor OS Portal or Ming.le: • Install and Configure SiW. • Add the application. • Add accounting entities. • Add locations.	“Adding your application in ” on page 55
☐	Configure user access and roles: • Configure user access to your product in Infor OS Portal or Ming.le. • Set up roles in Infor OS Portal or Ming.le either directly or via BODs from LX.	“Configuring user access to your application through " on page 61
☐	Configure your product ○ Configure LX	“Configuring your application” on page 67
☐	Configure LX with ION to send and receive BODs: • Install and Configure LX Extension • Configure an LX connection point, and optionally generate and activate ION data flows between LX and other products. • Publish BODs. • Verify the configuration. ○ Verify BODs are generated ○ Verify ION receives data ○ Verify data flow between applications	“Configuring your application to send and receive BODs in ION” on page 103
☐	Optionally, configure workflows and ION messages for LX.	“Configuring workflows and ION messages for your application” on page 121
☐	Configure drillbacks to LX.	“Configuring drillbacks to your application” on page 125
☐	Configure widgets/context and utility apps that are used with LX.	“Configuring widgets/context apps and utility apps that are used with your application” on page 157
☐	Configure workspaces/homepages for LX.	“Configuring workspaces/homepages for your application” on page 165

Complete	Task	Reference
☐	Configure LX to work with Infor Document Management: • Enable the Related Information widget/context application	“Configuring Infor Document Management” on page 167

Chapter 3 Configuration overview

Before you complete the configuration tasks, you must understand how this product is used with Infor OS. You must also be familiar with the related concepts and definitions.

Infor Operating Service

Infor Operating Service is a technology platform that supports fully integrated, industry-specific solution suites with mobile-first design, a consumer-inspired user experience, and science-driven analytics. It leverages the convergence of information, analytics, cloud computing, mobility, and social business.

This platform includes these products:

- Infor OS Portal or Ming.le™
- Infor ION
- Infor ION Grid
- Infor Document Management
- Infor Business Vault
- Infor Local.ly

Infor OS Portal or Ming.le

Infor OS Portal or Ming.le is a web-based application framework that provides a common user interface for Infor applications, third-party applications, and in-house developed applications integrated through Infor ION. It is a centralized platform for social collaboration, business process improvement, and contextual analytics.

Infor OS Portal or Ming.le provides drill-back capability so that users can navigate across the applications to track transactions, the transfer of data, and report updates. Additionally, Infor OS Portal or Ming.le provides an infrastructure for sharing content with widget/context applications.

Infor OS Portal or Ming.le uses Workspaces/homepages, configurable by users, to organize information and activities at a high level to focus on critical areas of concern.

Within Infor OS Portal or Ming.le, you can use ION API, a managed API layer across all applicable Infor and non-Infor APIs, allowing existing APIs to be presented in a standardized, managed, and controllable way.

Infor OS Portal or Ming.le uses Infor Federation Services (IFS) for centralized authentication.

Infor OS Portal or Ming.le is available as a mobile app, supported on iOS, Android™, and Windows Mobile operating systems.

Infor ION

Infor ION is a business process management platform that integrates applications, people, and business processes. The Infor ION platform converts data into the common language of standardized XML to enable disparate business systems such as Infor products, third-party applications, and in-house developed applications to share information.

Infor ION simplifies the connectivity and data sharing across the connected applications. It enables users to configure a routed infrastructure, set up workflows, and design and activate business event monitors and manage tasks and alerts.

Integration with other products through ION

An outbound operation typically begins when a user performs an action in LX that requires a data exchange with another ION-enabled application. A Business Object Document (BOD) XML message is generated by LX and placed in an area designated as the LX message outbox. At scheduled intervals, ION connects to the outbox and retrieves the BODs from it.

In ION, you create application connection points, which define the connections between ION and a product that can send and receive BODs. ION Connect routes BODs according to the data flows between LX and other ION-enabled applications.

The data flows between LX and other applications represent the business relationship between the databases. You use the ION Data Flow Modeler page to define these data flows.

If a data flow is defined from LX to another application for a particular BOD, then, at specified intervals, ION places the outbound BOD from LX in the other application’s designated message inbox. Applications are responsible for validating and incorporating the data in inbound BODs according to their rules.

If a flow is defined from another application to LX, ION retrieves BODs from the sending application’s message outbox and delivers them to LX’s message inbox for processing. LX retrieves, validates, and processes the BODs.

To understand common ION concepts such as BOD nouns and verbs, data flows and workflows, listeners and connection points, see the ION Connect Concepts section in the *ION Desk User Guide*.

Infor ION Grid

Infor ION Grid is a Java-based application server that provides a distributed runtime environment for other applications. Those other applications may, at any time, be added (deployed) or removed (undeployed) from a grid. The distributed nature of a grid means that an instance of the ION Grid may span multiple server machines.

See the *ION Grid Administration Guide* for administration tasks such as monitoring, configuring, or managing the grid.

Infor Document Management

Infor Document Management is an integration platform that enables you to take advantage of document solutions already in use within your organization.

Document Management is used to integrate your documents with your business processes and to provide a central repository for them. Soft links are used, based on document metadata, to provide integration between your documents and your Infor ERP solution. You can view a document from within the context of your application, or click a document link to retrieve the document from the central repository.

Document Management supports the entire lifecycle of your business documents, from input through storage, retrieval, and sharing.

Infor Business Vault

Infor Business Vault is a software platform for data acquisition and enrichment. The business data repository contains one or many data stores populated by Business Vault software. The data stores are available for searching data, running reports, and synchronizing data.

Infor Local.ly

Infor Local.ly™ is used to provide content that conforms to a country's local requirements. LX does not interface with any of the Local.ly components:

- Infor Local.ly Reporting
- Infor Local.ly GEMS
- Infor Local.ly Tax Engine
- Infor Global Financial Controller

Concepts and definitions specific to this configuration

You must understand these terms and how they are defined in this application.

Tenant ID

The tenant is a container for accounting entities and locations and is required in each BOD. The value of the tenant must be the same in all the applications that exchange BODs. Data is not shared or accessible between tenants.

See the information about Using Tenants in the *ION Desk User Guide*.

Each on-premise installation of Infor OS supports a single tenant, and Infor recommends using the value “infor” for the tenant.

Each installed environment of LX has a single value for tenant stored in the XOU file. See Defining the tenant on page 78.

Accounting entity

An accounting entity usually represents a legal or business entity that owns its general ledger. Every transaction belongs to only one accounting entity. An accounting entity can also be defined as the owner of certain master data within an enterprise.

For transactions within the LX Configurable Enterprise Financial products and Enterprise General Ledger (EGLi) products, the combination of ledger and book is used as accounting entity. For transactions elsewhere in LX, the company is used as accounting entity.

Because some data in LX is defined globally, for use in any company or ledger-book, but the associated BOD is required to be published at the accounting entity level, a default accounting entity can now be defined for each LX environment.

Location

A location is the physical location that is associated with data or transactions. The location can be, for example, a warehouse, a manufacturing location, a project location, or an office. Locations are published in the Location BOD. A location is required for all transactional BODs and is usually the location from which a transaction or record is generated.

Each LX company is defined as a location type “Office”. Each LX warehouse is defined as a location type “Warehouse”. Each LX facility (group of LX warehouses) is defined as a location type “Site”.

Logical ID

The logical ID is a unique identifier used in the communication of data between the products in the tenant's environment. Each instance of a product, for example, an LX environment, is assigned one logical ID. In ION, the logical ID is used to properly route BODs. Infor OS Portal or Ming.le uses the logical ID to determine which application to start when you click a drillback.

In Infor OS Portal or Ming.le, each application is assigned only one logical ID regardless of the number of instances of the application.

In order to maintain a unique Logical ID for each installed LX environment, the recommendation is to concatenate the standard Logical ID prefix for LX "lid://infor.lx." with the name of the IBM i server on which the LX environment is installed followed by a dash "-" followed by the name of the environment control library for the LX environment. For example, if an LX environment with environment control library ERPLXEC is installed on an IBM i server named IBM01, then use lid://infor.lx.IBM01-ERPLXEC as the logical ID of this LX environment.

For more information, see the *Infor Operating Service Administration Guide*.

Prefixes for data elements

Prefixes are used to distinguish between the identifiers of instances of BODs that are published for multiple concepts within LX. For example, a Location BOD is published for each LX warehouse, each LX company, and each LX facility. To distinguish between LX warehouse 10, LX company 10, and LX facility 10, prefixes are added. When publishing LX warehouse 10 as a Location, a 0- prefix is added to the identifier element (for example, DocumentID/ID or PartyIDs/ID) to become value 0-10. Similarly, LX company 10 adds a 1- prefix to become 1-10; and LX facility 10 adds a 2- prefix to become 2-10.

BOD	LX File or Business Function	Prefix
CodeDefinition	Customer types	LX_Customer_Type-
CodeDefinition	Document usages	LX_Document_Usages-
CodeDefinition	Freight class	LX_Freight_Class-
CodeDefinition	Freight Terms	LX_Freight-Terms_
CodeDefinition	Hazardous material codes	LX_Hazardous-Material-Codes_
CodeDefinition	Hold reason codes	LX_Hold_Reason_Codes-
CodeDefinition	Inventory adjustment reason codes	LX_Inventory_Adjustment_Reason_Codes-
CodeDefinition	Item classes	LX_Item_Classes-
CodeDefinition	Item types	LX_Item_Types-

BOD	LX File or Business Function	Prefix
CodeDefinition	Nature of transaction	LX_Nature_Of_Transaction-
CodeDefinition	Payment term	LX_PaymentTerms-
CodeDefinition	Planning methods	LX_PlanningMethods-
CodeDefinition	Priority code	LX_PriorityCode-
CodeDefinition	Rejection cause codes	LX_Rejection_Cause_Codes-
CodeDefinition	Return reasons	LX_Return_Reasons-
CodeDefinition	Segment definition	LX_Segment_
CodeDefinition	Segment value	LX_Segment_ + the LX segment ID
CodeDefinition	Supplier categories	LX_Supplier_Categories-
CodeDefinition	Tax jurisdiction codes	LX_Tax_Jurisdiction_Codes-
CodeDefinition	Transportation Methods	LX_Transportation_Methods-
CodeDefinition	Unit codes	LX_Unit_Codes-
CodeDefinition	Unit prices - list price	LX_Unit-Price-Codes_1-
CodeDefinition	Unit prices - net price	LX_Unit-Price-Codes_2-
CodeDefinition	Unit prices - purchase order price source	LX_Unit-Price-Codes_3-
CodeDefinition	Warehouse types	LX_Warehouse_Types-
Location	Warehouse	0-
Location	Company	1-
Location	Facility	2-
Person	Salesperson	1-
Person	Buyer	2-
Person	Planner	3-
Person	User	No prefix
ProductionReceiver	Shop order parent receipt	No prefix
ProductionReceiver	Co/By-product receipt	No prefix
ProductionReceiver	Component return	0
ProductionReceiver	Negative issue	2
ProductionReceiver	WMS receipt with production warehouse	No prefix

BOD	LX File or Business Function	Prefix
ProductionReceiver	WMS receipt without production warehouse	No prefix

Integration of LX with Infor OS Portal or Ming.le

With this integration, the user interface of LX can be displayed within the workspace area of Ming.le. The user interface includes these components:

- All LX screens that are available in WebTop
- All LX IDF inquiries and System i common IDF applications that are available in System i Workspace
- InforBusinessContext messaging and In Context BI from all IDF panels and a set of WebTop panels.
- Drillbacks from shared InforBusinessContext messages and from Ming.le BOD-based functions such as ION Event Management and ION Workflow, as well as other systems which subscribe to BOD's from LX.
- Infor OS Portal or Ming.le Bookmarks

The user interface of LX is not displayed directly within the workspace area of Infor OS Portal or Ming.le, but rather through Infor System i Workspace (SiW) as an intermediate layer. SiW receives information about an LX from System i System Manager (SiM). As part of the configuration, you will export LX tasks, menus, and users to SiM.

SiW also offers an emulator that allows display of screens that are not available in WebTop, such as custom screens, but have been added to one of the LX menus accessible from parent menu ERPLX. For more information about this emulator, see *knowledge base article KB2115722*.

Automatic sign out of Infor OS Portal or Ming.le is supported, based on both the Infor OS Portal or Ming.le timer and closing the browser by clicking the "x" in the upper-right hand corner. In order for the Infor OS Portal or Ming.le timer to have primary control, set the WebTop session timeout in Websphere Application Server (WAS) to 5 minutes greater than the Ming.le timer (see the Infor LX Configuration Guide for Infor WebTop).

This guide provides instructions to configure the components to run within Infor OS Portal or Ming.le.

Functionality not supported by LX in Infor OS Portal Cloud

Below section explains the functionality not supported by LX application in the Infor OS Portal.

Workspaces help users boost productivity by providing shortcuts to application screens and combining relevant widgets.

A workspace can be a copy of an application created by a user, admin, or application, or a dedicated page for widgets only. By creating a copy of an application, you have more control over the application than the default application. The user can control the default settings or choose what page within the application opens upon launch. A widget workspace allows the user to set up a page for specific widgets, separate from any application. Workspaces can also be set as startup page to open upon launch.

Configuring and accessing LX applications in Workspace is not supported.

Configuring and accessing LX Context widgets in Workspace is not supported.

Context App Views

Primary, Secondary and Tertiary Context app views supported by LX IDF are replaced by the new widget called “LX IDF Context” in the new Portal. There is no change in functionality when compared between old Context app views and new LX IDF Context Widget. Part of Widgets adoption requirement, the old Context app views are added as single Widget in Portal. Same widget can be configured as all 3 types of Context widgets by changing the Index value. For more information on how to use LX IDF Context widget refer to Chapter 12.

Note: Once all the customer tenants are migrated from old Infor OS to new Portal, the Primary, Secondary and Tertiary Context Apps will be deleted (deprecated) from Infor OS registry and will not be available to use.

As of now the Admins on the Portal need to follow Disabling Context app views in Portal section below to disable the old Context app views in Portal. This will make them unavailable in Widget Catalog so that users can’t use while configuring in Insight Groups.

IDF objects capable of launching WebTop screens

Certain IDF Inquiry cards are programmed with a “Change” icon that launches the corresponding maintenance screens in WebTop.

This table lists the objects in the LX IDF Views that provide access to a WebTop maintenance screen:

IDF task - action	LX program
Banks - Change	Bank Maintenance (ACP140D2)
Buyers - Change	Buyer/Planner Maintenance (INV111D2)
Companies - Change	Company Maintenance (ACR120D2)
Containers - Change	Container Master Maintenance (API140D)
Customers - Change	Customer Master Maintenance (ACR100D2)
Customer Orders - Change	Order Maintenance (ORD700D2)
Customer Order – Copy	Order Maintenance (ORD700D2)

IDF task - action	LX program
Customer Order – Create	Order Maintenance (ORD700D2)
Customer Order – Delete	Order Maintenance (ORD700D2)
Customer Order Lines (list) - Change	Order Entry Maintenance (ORD700D2)
Customer Order Lines (single line) – Change	Line Financial Detail (ORD700D3)
Enterprise Items - Change	Item Master Maintenance (INV100D2)
Facilities – Change	Facility Code Maintenance (SYS190D2)
Facility Items - Change	Facility Planning Maintenance (MRP140D2)
Facility Work Centers - Change	Work Center Maintenance (CAP100D2)
Flow Orders - Change	Flow Order Production Listing (JIT541D)
Item Costs - Change	Cost Maintenance (CST100D)
Ledger Books - Change	Book Definition (CEA105D3)
Manufacturing Bills of Material - Change	B.O.M-FORMULA-RECIPE Maint. Single Level (BOM500D2)
Manufacturing Bill of Material Components - Change	B.O.M-FORMULA-RECIPE Component Detail (BOM500D3)
Order Allocations - Change	Customer Order Allocation Detail (ORD720D2)
Planners - Change	Buyer/Planner Maintenance (INV111D2)
Planning Bills of Material - Change	Planning Bill of Material Maintenance (BOM600D2)
Purchase Commodities - Change	Commodity Code Maintenance (PUR180)
Purchase Orders - Change	Purchase Order Header Maintenance (PUR500D3)
Purchase Order Lines - Change	Purchase Order Lines Maintenance (PUR500D3)
Purchase Requisitions - Change	Requisition Header Maintenance (PUR500D3)
Purchase Requisition Lines - Change	Requisition Lines Maintenance (PUR500D3)
Receivable Documents - Change	Invoice Maintenance (ACR510D)
Routings - Change	Routing Selection (SFC100D2)
Routing Operations - Change	Routing Maintenance (SFC100D2)
Sales Representatives - Change	Salesperson Master Maintenance (SAL100D2)
Shop Orders - Change	Shop Order Header Maintenance (SFC500D2)
Shop Order Lines - Change	Shop Order Material Detail Lines (SFC500D3)

IDF task - action	LX program
Shop Order Operations - Change	Shop Order Operation Detail Lines (SFC500D3)
Vendors - Change	Vendor Maintenance (ACP100D2)
Vendor Contracts - Change	Contract Maintenance (PUR151D)
Vendor Contract Items - Change	Contract Detail Maintenance (PUR152D)
Vendor Invoices - Change	Invoice Maintenance (ACP510D)
Vendor Quotes - Change	Vendor Quote Maintenance (PUR150D2)
Warehouses - Change	Warehouse Master Maintenance (INV110D2)
Warehouse Locations - Change	Warehouse Location Maintenance (INV170D2)
Work Center Shifts - Change	Work Center Maintenance (CAP100D2)

Infor OS Portal or Ming.le Bookmarks

To use bookmarks, see the *Infor OS Portal or Ming.le User Guide* topics on the Top Navigation Panel and Widgets.

Chapter 4 Configuring your web browser

Configure your browser for use with Infor OS Portal or Ming.le.

Allowing popups for browsers

Ensure that any browser that is used within Infor OS Portal or Ming.le allows pop-ups. If pop-ups are disabled, the help will not work properly.

Chapter 5 Configuring security

Single sign on allows users to use one set of credentials to log into all Infor applications.

LX is set up for Single Sign On in Infor OS Portal or Ming.le through the use of SAML authentication, Microsoft AD FS and Integrated Windows Authentication. This requires an environment where a Windows domain trust between the client systems and the ADFS host is configured.

See the Infor Operating Service *Installation Guide* for information about the client Single Sign On experience and about the SAML session provider.

Setting up your application to use Single Sign On

LX has two primary user interfaces: WebTop and IDF. These user interfaces of LX are not displayed directly within the workspace area of Infor OS Portal or Ming.le but rather through Infor System i Workspace (SiW) as an intermediate layer. Therefore, it is only necessary to configure Single Sign On for SiW and unnecessary to configure Single Sign On separately for WebTop and IDF.

Depending on which version of SiW is installed, see either the *System i Workspace v2015 - Installation & Admin Guide* or the *System i Workspace AnyWhere - Installation & Admin Guide* for more information about configuring Single Sign On for SiW.

Cloud administrators also see the Sytem i Workspace Anywhere Cloud Setup Guide.

Enabling InforSTS for Single Sign On

SiW AnyWhere must be installed and fully configured before enabling InforSTS. See the *System i Workspace AnyWhere - Installation & Admin Guide* and the *Infor OS Integration Guide for System21* and Configure SiW on page 55. InforSTS is not supported with SiW 2015.

1. Locate the SiW system.properties file (see the *System i Workspace Anywhere - Installation & Admin Guide*) and add the following property to allow launching SiW from Infor OS, replacing ios-hostname.domain.com with the URL of the Infor OS server (minus any context path)

com.infor.siw.cloud.mingle.url=https://ios-hostname.domain.com

2. Restart SiW (for an IBMi deployment also restart the server1 application server and HTTP server)

3. Download ZIP file InforOS_SSO_Setup from the SiW AnyWhere solution, if not already downloaded, and extract to the root directory of a Microsoft Windows PC or Server that has Amazon Corretto Java 8 installed and has the JAVA_HOME environment variable and PATH variable correctly configured to point to a valid Amazon Corretto Java 8 executable

4. Copy file sp_LX.properties to sp.properties

5. Update the sp.properties file

    a. In sp.applicationtype replace with LX

    b. In sp.entityid replace TENANT with the environment code being used within SiW, for example environment code 854 becomes: ERP_LX_854

    c. In sp.common.name replace siwa-hostname.domain.com with the hostname and domain of your SiW server

    d. In sp.sso.url replace siwa-hostname.domain.com:port/context with the hostname, domain, port and context of your SiW server

    e. In sp.slo.utl replace server-name.domain.com:port/context with the hostname, domain, port and context of your SiW server

6. Copy file idp_STS.properties to idp.properties

7. From any browser launch the following URL, replacing sts-hostname.domain.com with the hostname and domain of your InforSTS server

    https://sts-hostname.domain.com:9553/inforsts/rest/metadata/00000000000000000000000000000000/wsfed/idp

8. Download file sts-metadata-idp-wsfed.xml when asked and open in a plain text editor (such as notepad), then locate and copy the Signing Certificate (without the elements) found under element <KeyDescriptor use="signing"> between elements <X509Certificate> and </X509Certificate>

9. Update the idp.properties file

    a. In idp.sys.entityid replace sts-hostname.domain.com with the hostname and domain of your InforSTS server

       https://sts-hostname.domain.com:9553/inforsts/infor/00000000000000000000000000000000

    b. In idp.sys.sso replace sts-hostname.domain.com with the hostname and domain of your InforSTS server

       https://sts-hostname.domain.com:9553/inforsts/infor/00000000000000000000000000000000/idp/samlSSO

    c. In idp.sts.slo replace sts-hostname.domain.com with the hostname and domain of your InforSTS server

       https://sts-hostname.domain.com:9553/inforsts/infor/00000000000000000000000000000000/idp/samlSLO

    d. In idp.sts.certificate paste the Signing Certificate from the previous step

10. Run the build-metadata.bat command with the following parameters to create a populated set of Fedlet Metadata in folder fedlet_config

    build-metadata.bat /OP /STS sp.properties idp.properties

11. Copy the fedlet_config folder to the root folder of your SiW server (for an IBMi deployment of SiW this will most likely be the ROOT folder of the IFS side of you IBMi)

    Caution: For IBMi deployments, after copying the fedlet_config folder to the IFS, check the encoding of the idp.xml file which must be ANSI format; but if UTF-8 format, open in notepad then Save As to change the encoding to ANSI (leaving file name unchanged)

12. For a Winfows deployment, create an additional Java runtime property pointing to the new fedlet_config folder in your SiW server

    -Dcom.sun.identity.fedlet.home=<Path to fedlet_config folder>

    a. Use RegEdit to update registry key "HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\Apache Software Foundation\Procrun 2.0\SiWAnyWhere\Parameters\Java\Options"

to add additional -D parameter with value name Options and value data as in this example:

-Dcom.sun.identity.fedlet.home=D:\Program Files\Infor\SiWAnyWhere_STS\fedlet_config

13. For an IBMi deployment, use the IBM WebSphere Administrative Console, on the left-hand side, select Servers > WebSphere Application Servers

    a. Select your System I Workspace AnyWhere Application server (usually WSAnyWhere for a default installation) then on the next screen expand the Java and Process Management option under Server Infrastructure section

    b. Select Process definition

    c. Under the Additional Properties select Java Virtual Machine

    d. Towards the bottom of the screen, locate the Generic JVM arguments field, which may have existing values

        i. At the end of existing arguments, type a space followed by the setting pointing to the path to your fedlet_config folder

        -Dcom.sun.identity.fedlet.home=/fedlet_config

        ii. After this setting, add the following space-separated additional arguments to configure the OpenAM classes to use IBMJCE for certificate decryption

        -DamCryptoDescriptor.provider=IBMJCE

        -DamKeyGenDescriptor.provider=IBMJCE

    e. Click Apply then click Save

14. Locate the SiW system.properties file (as documented in the *System i Workspace AnyWhere - Installation & Admin Guide*) to add the following properties

    a. Set com.infor.siw.cloud to 1

    b. In com.infor.siw.cloud.idp.properties set path to new fedlet_config folder in your SiW server

c. In com.infor.siw.cloud.mingle.url replace ios-hostname.domain.com with URL (minus any context path) of Infor OS server hosting SiW

   com.infor.siw.cloud.mingle.url=https://ios-hostname.domain.com

d. In com.infor.siw.cloud.mingle.slo.url replace slo-hostname.domain.com with URL (minus any context path) from appropriate of idp.adfs.location, idp.sts.slo or idp.saml.slo.url property value from the idp.properties file

   com.infor.siw.cloud.mingle.slo.url=https://slo-hostname.domain.com

15. Save changes and restart SiW (for an IBMi deployment also restart the server1 application server and HTTP server) to enable access to SiW from within Infor OS (direct access to SiW is now disabled)

16. Log into InforOS manager from your InforOS server, filling in the appropriate values and click Continue

17. Click on Applications then double-click the LX application and fill in any missing information

    a. Relying Party Identifier must match the value of property sp.entity.id in the sp.properties file

    b. SSO Url must match the value of property sp.sso.url in the sp.properties file

    c. SLO Url must match the value of property sp.slo.url in the sp.properties file

    d. Click … on the Signing Certificate and select the certificate SiW_Certificate1.cer found in the root of the fedlet_config folder then click Open then click Save

18. Launch the STS Admin UI from your InforOS server then click SP connections then click icon import from file

19. Select file sp.xml in the root of the fedlet_config folder and click OK

20. Enter LX as both Display Name and IFS application type, then click Save, then click icon Back

Single Sign Out

When a user signs out of a portal, such as Infor OS Portal or Ming.le, the user is automatically logged out of all the applications, widget/context applications, and widgets accessed by the user using the portal. For any active WebTop programs, the appropriate function keys (F3=Exit, F12=Cancel, etc.) automatically cancel the transactions in progress and the programs are closed. This single sign out functionality is executed when:

- The user requests sign out
- The user closes the browser using the "**X**" button in the upper-right-hand corner of the browser.
- The duration of the Infor OS Portal or Ming.le timeout parameter has elapsed without any action by the user.

Override Infor OS Portal or Ming.le timeout for long running LX jobs

There are certain LX functions that, once processing has begun, must remain active until processing completes, in order to avoid corrupting the data base. While any of these functions are processing, even if the user does not touch anything that would normally tell Infor OS Portal or Ming.le that activity has occurred, LX periodically sends a message to Infor OS Portal or Ming.le that processing has occurred. The following screens, if displayed for processing that has begun, send the periodic message to Infor OS Portal or Ming.le to avoid the timeout.

- ACP135FM-SCR001
- ACP145FM-SCR001
- ACP155FM-SCR001
- ACP165FM-SCR001
- ACP175FM -SCR001
- ACP185FM-SCR001
- ACP195FM -SCR001
- ACP200FM -SCR001
- ACP210FM -SCR001
- ACP230FM -SCR001
- ACP240FM -SCR001
- ACP250FM -SCR001
- ACP270FM -SCR001
- ACP280FM -SCR001
- ACP285F1 -SCR001
- ACP290FM -SCR001
- ACP292FM -SCR001
- ACP400FM -SCR001

- ACP540FM -SCR001
- ACP541FM -SCR001
- ACP720FM -SCR001
- ACP900FM -SCR001
- ACP910FM -SCR001
- ACP920FM -SCR001
- ACP930FM -SCR001
- ACR115FM -SCR001
- ACR125FM -SCR001
- ACR155FM -SCR001
- ACR165FM -SCR001
- ACR175FM -SCR001
- ACR210FM -SCR001
- ACR220FM -SCR001
- ACR230FM -SCR001
- ACR240FM -SCR001
- ACR250FM -SCR001
- ACR285FM -SCR001
- ACR400FM -SCR001
- ACR410FM -SCR001
- ACR430FM -SCR001
- ACR600FM -SCR001
- ACR900FM -SCR001
- ACR910FM -SCR001
- ACR920FM -SCR001
- ACR970FM- SCR001
- ACR971FM- SCR001
- ACR972FM -SCR001
- ACXI01F1 -SCR001
- ACXI02F1 -SCR001
- API145FM -SCR001
- API155FM -SCR001
- API165FM -SCR001
- API175FM -SCR001
- API200FM -SCR001
- API210FM-SCR001
- API215FM-SCR001
- API220FM-SCR001

- API230FM-SCR001
- API240FM-SCR001
- API250FM -SCR001
- API260FM-SCR001
- API270FM-SCR001
- API280FM-SCR001
- API503FM-SCR001
- API550FM -SCR001
- API580FM-SCR001
- API980FM-SCR001
- ARP010FM-SCR001
- ARP106FM-SCR001
- ARP116FM-SCR001
- ARP117FM-SCR001
- ARP126FM-SCR001
- ARP136FM-SCR001
- ARP137FM-SCR001
- ARP195FM-SCR001
- ARP196FM-SCR001
- ARP200FM-SCR001
- ARP211FM-SCR001
- BIL500FM-SCR002
- BIL500FM-SCR004
- BIL501F1-SCR002
- BIL501F4-SCR002
- BIL550FM-SCR001
- BIL560FM-SCR001
- BIL660FM -SCR001
- BIL662FM -SCR001
- BOM115FM-SCR001
- BOM125FM-SCR001
- BOM145FM-SCR001
- BOM171FM-SCR001
- BOM176FM-SCR001
- BOM200FM-SCR001
- BOM210FM -SCR001
- BOM220FM-SCR001
- BOM230FM -SCR001

- BOM240FM-SCR001
- BOM260FM-SCR001
- BOM265FM-SCR001
- BOM555FM-SCR001
- BOM610FM-SCR001
- BOM620FM-SCR001
- BOM621FM-SCR001
- BOM701FM-SCR001
- BOM900FM-SCR001
- CAP110FM-SCR001
- CAP116FM-SCR001
- CAP118FM-SCR001
- CAP130FM-SCR001
- CAP150FM-SCR001
- CAP160FM-SCR001
- CAP180FM-SCR001
- CAP200FM -SCR001
- CAP230FM-SCR001
- CAP240FM-SCR001
- CAP250FM-SCR001
- CAP260FM-SCR001
- CAP500FM-SCR001
- CAP600FM-SCR001
- CAP900FM-SCR001
- CAP910FM-SCR001
- CAR175FM-SCR001
- CAR198FM-SCR001
- CAR500F1-SCR001
- CAR510FM-SCR001
- CAR515F1-SCR001
- CAR585F1-SCR001
- CAR585F2-SCR001
- CAR585F3-SCR001
- CAR585F4-SCR001
- CAR600FM-SCR001
- CAR914FM-SCR001
- CAR915FM-SCR001
- CAR950F1-SCR001

- CAR970F1-SCR001
- CDM105FM-SCR001
- CDM106FM-SCR001
- CDM115F2-SCR001
- CDM125FM-SCR001
- CDM135FM-SCR001
- CDM145FM-SCR001
- CDM155FM-SCR001
- CDM175FM-SCR001
- CDM400FM-SCR001
- CDM602FM-SCR001
- CDM902F1-SCR001
- CEA103F1-SCR002
- CEA105F3-SCR002
- CEA971FM-SCR001
- CEA972FM-SCR001
- CFG200FM-SCR001
- CLD108FM-SCR001
- CLD110FM-SCR001
- CLD125F -SCR001
- CLD130FM-SCR001
- CLD175FM-SCR002S1
- CLD186FM-SCR001
- CLD220FM-SCR002
- CLD221FM -SCR002
- CLD230FM-SCR002
- CLD235FM-SCR002
- CLD240FM-SCR002
- CLD245FM-SCR002
- CLD260FM-SCR002
- CLD285F1-SCR002
- CLD501F1-SCR001
- CLD540F1-SCR001
- CLD720FM-SCR001
- CSH105FM-SCR001
- CSH115FM-SCR001
- CSH125FM-SCR001
- CSH135FM-SCR001

- CSH145FM-SCR001
- CSH155FM-SCR001
- CSH200FM-SCR001
- CSH210FM-SCR001
- CSH510F1-SCR001S1
- CST101FM-SCR001
- CST141FM-SCR001
- CST151FM-SCR001
- CST161FM-SCR001
- CST171FM-SCR001
- CST200FM-SCR001
- CST220FM-SCR001
- CST230FM-SCR001
- CST250FM-SCR001
- CST260FM-SCR001
- CST270FM-SCR001
- CST280FM-SCR001
- CST285FM-SCR001
- CST290FM-SCR001
- CST510FM-SCR001
- CST560FM-SCR001
- CST900FM-SCR001
- CST910FM-SCR001
- CST920FM-SCR001
- CST930FM-SCR001
- CST940FM-SCR001
- DOC500FM-SCR001
- DRP110FM-SCR001
- DRP160FM-SCR001
- DRP220FM-SCR001
- DRP230FM-SCR001
- DRP240FM-SCR001
- DRP250FM-SCR001
- DRP260FM-SCR001
- DRP270FM-SCR001
- DRP500FM-SCR001
- DRP540F1-SCR001
- DRP540F2-SCR001S1

- DRP560FM-SCR001
- FIM600F2 -SCR001
- FOR010FM-SCR001
- FOR020FM-SCR001
- FOR105FM-SCR001
- FOR115FM-SCR001
- FOR125FM-SCR001
- FOR135FM-SCR001
- FOR145FM-SCR001
- FOR155FM-SCR001
- FOR165FM-SCR001
- FOR175FM-SCR001
- FOR185FM-SCR001
- FOR200FM-SCR001
- FOR210FM-SCR001
- FOR220FM-SCR001
- FOR230FM-SCR001
- FOR240FM-SCR001
- FOR250FM-SCR001
- FOR260FM-SCR001
- FOR500FM-SCR001
- FOR510FM-SCR001
- FOR511FM-SCR001
- FOR520FM-SCR001
- FOR530FM-SCR001
- FOR540FM-SCR001
- FOR620FM-SCR001
- FOR640FM-SCR001
- FOR900FM-SCR001
- FOR910FM-SCR001
- FOR915FM-SCR001
- FOR920FM-SCR001
- FOR930FM-SCR001
- FOR940FM-SCR001
- FOR950FM-SCR001
- FXA105FM-SCR001
- FXA115FM-SCR001
- FXA125FM-SCR001

- FXA135FM-SCR001
- FXA145FM-SCR001
- FXA155FM-SCR001
- FXA165FM-SCR001
- FXA175FM-SCR001
- FXA185FM-SCR001
- FXA200FM-SCR001
- FXA205FM-SCR001
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- FXA250FM-SCR001
- FXA260FM-SCR001
- FXA270FM-SCR001
- FXA500FM-SCR001
- FXA520FM-SCR001
- FXA900FM-SCR001
- FXA910FM-SCR001
- FXA920FM-SCR001
- FXA930FM-SCR001
- ILM200FM-SCR001
- ILM210FM-SCR001
- ILM600FM-SCR001
- ILM900FM-SCR001
- ILM920FM-SCR001
- INTR01F1-SCR001
- INTR01F2-SCR001
- INTR02F1-SCR001
- INTR02F2-SCR001
- INV015FM-SCR001
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- INV278FM-SCR001
- INV280FM-SCR001
- INV290FM -SCR001
- INV310FM -SCR002
- INV310FM -SCR003
- INV310FM -SCR004
- INV400FM-SCR001
- INV520FM -SCR001
- INV540F1 -SCR003
- INV620FM-SCR001
- INV650FM-SCR001
- INV700FM-SCR001
- INV705FM-SCR001
- INV710FM -SCR001
- INV720FM -SCR001
- INV740FM -SCR001
- INV750FM -SCR001
- INV760FM -SCR001
- INV770FM -SCR001
- INV810FM -SCR001
- INV920FM-SCR001
- INV930FM-SCR001
- INV931FM-SCR001
- INV932FM-SCR001
- INV970FM -SCR001

- INV971FM -SCR001
- INV972FM -SCR001
- INV973FM -SCR001
- INV974FM -SCR001
- JIT200FM -SCR001
- JIT210FM -SCR001
- JIT215FM -SCR001
- JIT220FM -SCR001
- JIT230FM -SCR001
- JIT240FM -SCR001
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- JIT290FM -SCR001
- JIT291FM -SCR001
- JIT610FM-SCR001
- JIT620FM-SCR001
- JIT900FM-SCR001
- JIT910FM -SCR001
- LMP600FM -SCR001
- LMP620FM-SCR001
- LMS212FM-SCR001
- MLT115FM-SCR001
- MLT125FM -SCR001
- MLT135FM -SCR001
- MLT200FM-SCR001
- MLT285FM-SCR001
- MLT900FM-SCR001
- MRP105FM-SCR001
- MRP106FM-SCR001
- MRP107FM-SCR001
- MRP110FM-SCR001
- MRP145FM-SCR001
- MRP200FM-SCR001
- MRP209FM-SCR001
- MRP211FM -SCR001

- MRP212FM -SCR001
- MRP220FM -SCR001
- MRP230FM -SCR001
- MRP240FM -SCR001
- MRP250FM -SCR001
- MRP500FM -SCR001
- MRP520FM -SCR001
- MRP530FM -SCR001
- MRP550FM -SCR001
- MRP560FM -SCR001
- MRP600FM -SCR001
- MRP700FM -SCR001
- MRP720FM -SCR001
- MRP740FM -SCR001
- MRP760FM -SCR001
- MRP770FM -SCR001
- MRP790FM -SCR001
- MRP990FM -SCR001
- OLM108FM -SCR001
- OLM113FM -SCR001
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- OLM143FM -SCR001
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- OLM181FM-SCR001
- OLM192FM -SCR001
- OLM205FM -SCR001
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- OLM235FM -SCR001
- OLM240FM -SCR001
- OLM250FM -SCR001
- OLM260FM -SCR001
- OLM262FM -SCR001
- OLM265FM -SCR001

- OLM267FM -SCR001
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- OLM285FM -SCR001
- OLM290FM -SCR001
- OLM295FM -SCR001
- OLM362FM -SCR001
- OLM560FM -SCR001
- OLM575F1-SCR001
- OLM596F1 -SCR001
- OLM597FM -SCR002
- OLM610FM -SCR001
- ORD110FM -SCR001
- ORD135FM -SCR001
- ORD136FM -SCR001
- ORD155FM -SCR001
- ORD167FM -SCR001
- ORD175FM -SCR001
- ORD185FM -SCR001
- ORD195FM -SCR001
- ORD200FM -SCR001
- ORD205FM -SCR001
- ORD210FM-SCR001
- ORD220FM -SCR001
- ORD230FM -SCR001
- ORD240FM -SCR001
- ORD244FM -SCR001
- ORD250FM -SCR001
- ORD260FM -SCR001
- ORD270FM -SCR001
- ORD272FM -SCR001
- ORD274FM -SCR001
- ORD276FM -SCR001
- ORD280FM -SCR001
- ORD285FM -SCR001
- ORD287FM -SCR001
- ORD290FM -SCR001
- ORD400FM -SCR001
- ORD410FM -SCR001

- ORD420FM -SCR001
- ORD430FM -SCR001
- ORD490FM -SCR001
- ORD550F1-SCR002
- ORD570F1-SCR002
- ORD573F1 -SCR002
- ORD650FM-SCR001
- ORD680FM -SCR001
- ORD685FM -SCR001
- ORD700F2-SCR001S1
- ORD900FM -SCR001
- ORD930FM -SCR001
- ORD935FM-SCR001
- ORD940FM -SCR001
- ORD970FM -SCR001
- ORD990FM -SCR001
- PRF110FM -SCR001
- PRF900FM -SCR001
- PRF920FM -SCR001
- PRF930FM -SCR001
- PRO115FM -SCR001
- PRO125FM -SCR001
- PRO135FM -SCR001
- PRO165FM -SCR001
- PRO175FM -SCR001
- PRO185FM -SCR001
- PRO191FM -SCR001
- PRO196FM -SCR001
- PRO210FM -SCR001
- PRO220FM -SCR001
- PRO230FM-SCR001
- PRO230FM-SCR002
- PRO240FM -SCR001
- PRO250FM -SCR001
- PRO510FM -SCR001
- PRO520FM -SCR002
- PRO530FM -SCR001
- PUR125FM -SCR001

- PUR140FM -SCR001
- PUR153FM -SCR001
- PUR156FM -SCR001
- PUR158FM -SCR001
- PUR175FM -SCR001
- PUR185FM -SCR001
- PUR186FM -SCR001
- PUR200FM -SCR001
- PUR201FM -SCR001
- PUR202FM -SCR001
- PUR203FM-SCR001
- PUR204FM-SCR001
- PUR205FM-SCR001
- PUR210FM-SCR001
- PUR212FM-SCR001
- PUR214FM-SCR001
- PUR214FM-SCR002
- PUR215FM-SCR001
- PUR220FM-SCR001
- PUR230FM-SCR001
- PUR240FM-SCR001
- PUR250FM-SCR001
- PUR254FM-SCR001
- PUR255FM-SCR001
- PUR256FM-SCR001
- PUR258FM-SCR001
- PUR260FM-SCR001
- PUR262FM-SCR001
- PUR270FM -SCR001
- PUR275FM-SCR001
- PUR280FM-SCR001
- PUR284FM-SCR001
- PUR286FM-SCR001
- PUR288FM-SCR001
- PUR290FM-SCR001
- PUR485FM-SCR001
- PUR490FM -SCR001
- PUR520FM -SCR001

- PUR524FM -SCR001
- PUR540FM -SCR001
- PUR542FM -SCR001
- PUR556FM -SCR001
- PUR565FM -SCR001
- PUR620FM -SCR001
- PUR651FM -SCR001
- PUR770FM -SCR001
- PUR900FM -SCR001
- PUR905FM -SCR001
- PUR910FM -SCR001
- PUR955F1 -SCR001
- PUR965FM -SCR001
- PUR990FM -SCR001
- QMS102FM -SCR001
- QMS107FM -SCR001
- QMS112FM -SCR001
- QMS117FM -SCR001
- QMS122FM -SCR001
- QMS127FM -SCR001
- QMS133FM -SCR001
- QMS137FM -SCR001
- QMS164FM -SCR001
- QMS167FM -SCR001
- QMS204FM -SCR001
- QMS206FM -SCR001
- QMS208FM -SCR001
- QMS210FM -SCR002
- QMS244FM-SCR001
- QMS246FM-SCR001
- QMS252FM-SCR001
- QMS264FM -SCR001
- QMS266FM-SCR001
- QMS540FM-SCR001
- REI001F1-SCR001
- REI003FM-SCR001
- REI200F1-SCR002
- REI210F1-SCR002

- REI220F1-SCR002
- REI260F1-SCR002
- REI270FM-SCR001
- REI272FM-SCR001
- REI274FM-SCR001
- REI370FM -SCR001
- RMS200FM -SCR001
- RMS210FM -SCR001
- RMS220FM -SCR001
- RMS240FM -SCR001
- RMS250FM -SCR001
- RMS260FM -SCR001
- RMS262FM -SCR001
- RMS263FM -SCR001
- RMS265FM -SCR001
- RMS270FM -SCR002
- RMS280FM -SCR001
- RMS290FM -SCR001
- RMS530FM -SCR001
- RMS535FM -SCR001
- RMS550FM -SCR001
- RMS640F -SCR001
- RMS660FM-SCR001
- RMS670F1-SCR001
- RMS675FM-SCR001
- RMS740FM -SCR001
- RMS750FM -SCR001
- RMS760FM -SCR001
- RMS770FM -SCR001
- RMS775FM -SCR001
- RMS910FM -SCR001
- RMS920FM -SCR001
- SAL110FM-SCR001
- SAL125FM-SCR001
- SAL600FM-SCR001
- SAL610FM-SCR001
- SFC110FM-SCR001
- SFC122FM -SCR001

- SFC130FM-SCR001
- SFC170FM-SCR001
- SFC180FM -SCR001
- SFC200FM-SCR001
- SFC205FM-SCR001
- SFC210FM-SCR001
- SFC211FM-SCR001
- SFC212FM-SCR001
- SFC213FM-SCR001
- SFC220FM-SCR001
- SFC230FM-SCR001
- SFC240FM -SCR001
- SFC250FM -SCR001
- SFC260FM -SCR001
- SFC261FM -SCR001
- SFC270FM -SCR001
- SFC280FM -SCR001
- SFC290FM -SCR001
- SFC370FM-SCR001
- SFC400FM -SCR001
- SFC550FM -SCR001
- SFC560FM -SCR001
- SFC600F1 -SCR003
- SFC650F1 -SCR001S1
- SFC651FM -SCR001
- SFC900FM -SCR001
- SFC905FM -SCR001
- SFC950FM -SCR001
- SFC971FM-SCR001
- SFC990FM-SCR001
- SYS092FM -SCR001
- SYS110FM -SCR001
- SYS116FM -SCR001
- SYS118FM-SCR001
- SYS125FM -SCR001
- SYS128FM -SCR001
- SYS129FM-SCR001
- SYS130FM -SCR001

- SYS132FM -SCR001
- SYS134FM -SCR001
- SYS138FM -SCR001
- SYS145FM -SCR001
- SYS155FM -SCR001
- SYS165FM -SCR001
- SYS175FM -SCR001
- SYS185FM -SCR001
- SYS195FM -SCR001
- SYS200FM -SCR001
- SYS205FM -SCR001
- SYS210FM -SCR001
- SYS220FM -SCR001
- SYS223FM -SCR001
- SYS225FM -SCR001
- SYS226FM -SCR001
- SYS230FM-SCR001
- SYS240FM -SCR001
- SYS250FM -SCR001
- SYS270F -SCR001
- SYS605FM -SCR001
- SYS635FM -SCR001
- SYS639FM -SCR001
- SYS700FM -SCR001
- SYS710FM -SCR001
- SYS740FM -SCR001
- SYS905FM -SCR001
- SYS990FM -SCR001
- SYS994FM -SCR001
- TFM200FM -SCR001
- TFM510FM -SCR001
- TFM520FM -SCR001
- TFM900FM -SCR001
- VAL117F1 -SCR002
- VAL200FM -SCR001
- VAL210FM -SCR001
- VAL220FM -SCR001
- VAL400FM -SCR001

- VAL500FM -SCR001
- VAL550FM -SCR001
- VAL640FM -SCR001
- VAL650FM -SCR001
- VAL900FM -SCR001
- VAL910FM -SCR001
- VAL920FM -SCR001
- VAL960FM -SCR001
- VAL990FM -SCR001
- WHM105FM -SCR001
- WHM115FM -SCR001
- WHM116FM -SCR001
- WHM117FM -SCR001
- WHM135FM-SCR001
- WHM145FM -SCR001
- WHM155FM -SCR001
- WHM157FM-SCR001
- WHM158FM-SCR001
- WHM159FM -SCR001
- WHM165FM -SCR001
- WHM175FM-SCR001
- WHM185FM -SCR001
- WHM195FM -SCR001
- WHM220FM -SCR001
- WHM230FM -SCR001
- WHM240FM -SCR001
- WHM250FM -SCR001
- WHM312FM -SCR001
- WHM313FM-SCR002
- WHM313FM-SCR003
- WHM313FM-SCR004
- WHM530F1 -SCR001
- WHM830FM -SCR001
- WHM920FM -SCR001

Chapter 6 Adding your application in Infor OS Portal or Ming.le

You must first configure System i Workspace (SiW), WebTop and Net-Link, then add your application in Infor OS Portal or Ming.le.

For information on migrating your Infor OS Ming.le environment to Infor OS Portal Cloud see Appendix J.

Infor OS Portal Cloud requires SiW, WebTop and Net-Link to be configured to the same port. Cloud administrators see KB2207836 for configuration details.

Configure Secure Net-Link

OS Portal and Ming.le require that applications use HTTPS connections. A secure Net-Link connection is achieved through use of a NetLink.war file. The WAR file should be deployed on the SiW Anywhere server such that it shares the HTTPS port with SiW. See the *Infor XA Setup Guide for Secure Net-Link* for installation and configuration instructions.

Configure SiW

To configure SiW 2015, use the wsconfig.html file. See the *System i Workspace v2015 - Installation & Admin Guide*. To configure SiW AnyWhere, use the admin.html file and then select Workspace Configuration. See the *System i Workspace AnyWhere - Installation & Admin Guide*. Then follow these instructions.

Note: to access wsconfig.html (for SiW 2015) or admin.html (for SiW AnyWhere) in a cloud environment, first access LX within Infor OS Portal or Ming.le, then open a new tab in that same browser and execute the SiW URL in that new tab.

Cloud administrators also see the System i Workspace Anywhere Cloud Setup Guide.

1 On the **Locales tab**, define and select for expanding locales for all languages used in LX.

   a For each language, specify a Language ISO code matching the 2-character code value in the ZIS file for that language. Note that data in the ZIS file is delivered as priming data and that a maintenance program is not provided.

   b For example, if defining Japanese as a supported language, ensure that the Language ISO code is set to ja.

   Note: While LX can display screens with literals translated into each supported language, see the Infor LX National Language Versions Installation Guide, SiW does not have literals available in Brazilian Portuguese. Users using Brazilian Portuguese will see LX WebTop and IDF screen literals in Brazilian Portuguese, but will see SiW literals in English.

2 On the **Database Connection** tab, create a database connection for each IBM i server with an LX environment that you intend to display in Infor OS Portal or Ming.le. The IBMi URL must match the TCP/IP configuration of the IBMi (Command CFGTCP option 12). Add Language code / Locale combinations defined in the Locales tab.

   a Automatic Refresh Interval allows specifying a number of minutes to elapse before SiW will automatically attempt to retrieve revised authorizations from SiM for users that SiW knows about.

   b Schedule Full Refresh allows scheduling a daily or weekly time for SiW to automatically attempt to retrieve from SiM all newly defined users in additional to all revised authorizations.

3 On the **Configurations** tab, for each SQL Pool Connection add all locales defined in the Locales tab.

4 On the **WebTop** tab, add a configuration for each WebTop environment. Specify the URL for the WebTop logon screen. Each URL must have a unique server/port. The URL should not use hard-coded IP addresses. Use the URL version that ends in .jsp, not the version that ends in .htm or .html. See http://[webtopserver].[domain]:[port]/inabler/web/httproot/SysCommands/Profile/Login.jsp Specify the value for the “Allow Popup Windows” for this WebTop environment.

   a Disabled means that each LX WebTop program selected from the SiW menu opens a new SiW tab within Infor OS Portal or Ming.le.

   b Enabled means that in addition to the ability to open each LX WebTop program as a new SiW tab, you can right-click an LX WebTop program option in the SiW menu and then select “Open in Popup Window” to launch the LX WebTop program in a new browser window outside of Infor OS Portal or Ming.le.

5 If you are using the IDF Views, click the **Net-Link** tab.

   a Click **Add New Configuration** once for each IDF environment.

   b Specify the name of the IBM i server and the URL for the Net-Link logon screen, including the 2-character IDF environment code. The URL should not use hard-coded IP addresses. For example: See https://[idf -server].[domain]:[port]/NetLink/XX (where XX is the 2-character IDF environment code).

c Specify the value for “Allow Popup Windows” for this IDF environment.

i) Disabled means that each IDF business object selected from the SiW menu opens a new SiW tab within Infor OS Portal or Ming.le.

ii) Enabled means that in addition to the ability to open each IDF business object as a new SiW tab, you can right-click an IDF business object in the SiW menu and then select “Open in Popup Window” to launch the IDF business object in a new browser window outside of Infor OS Portal or Ming.le.

6 Click the **Profiles** tab.

a Click **Add New Profile**.

b Specify this information:

Description

The description that you enter will be displayed in the SiW log-on screen.

Profile ID

Specify the chosen tenant ID for this LX instance. A matching value will be entered as part of the Infor OS Portal or Ming.le deployment for this LX instance. We recommend that you specify **infor**.

SQL Pool Connection
Select the appropriate database connection for the System i server.

Companies

Specify **00** to represent all LX companies.

a. For SiW 2015 the **Companies** section of this profile includes a drop-down combo box with 2 options: **Show Company Options/Values within Workspace** and **Hide Company Options/Values within Workspace**. Because the actual LX company values are not exposed to SiW features, Infor recommends selecting **Hide Company Options/Values within Workspace**.

b. For SiW AnyWhere the **Companies** section of this profile includes a drop-down combo box labelled **Company Options/Values** with 2 options: **Show** and **Hide**. Because the actual LX company values are not exposed to SiW features, Infor recommends selecting **Hide**.

Environments

Specify the three-character WebTop environment code as defined in SSAGTLIC83/WEB_ENV. Do not add other environment codes. Make sure that you do not type a trailing blank space as the fourth character.

Infor Application
Select LX 8.3.5 from the list.

Default Locale
Specify the default value from the list

Configuration
Select the name that you defined on the Configurations tab for this LX environment.

WebTop Settings
Select the WebTop configuration that you defined on the WebTop tab for this LX environment.

IDF Settings
To use IDF Views, set UI for Tasks = Net-Link (for SiW 2015) and select the Net-Link configuration that you defined on the Net-Link tab for this LX environment. Also set Single Company View to Disabled.

System i Workspace Favorites
To enable or disable the SiW favorites capability, specify either Enabled or Disabled.

For information available on the Profile tab, see the *System i Workspace v2015 - Installation & Admin Guide* or the *System i Workspace AnyWhere - Installation & Admin Guide*

c Repeat Steps **a** and **b** for each LX environment.

Allow cross-domain cookies

Due to browser security restrictions, cookies set within iframes are being treated as third-party cookies, which interferes with proper functioning of SiW when multiple domains are involved. To overcome this issue, enable the SameSite Cookie flag which alters how browsers treat these cookies. See *KB2199906*. Add the below entries to HTTP config for SiW, Webtop, and NetLink:

```
Header always edit Set-Cookie "^(?!.*(\s+|;)(?i)SameSite=)(.*)" "$0; SameSite=None; Secure" env=!SAMESITE_SKIP

Header onsuccess edit Set-Cookie "^(?!.*(\s+|;)(?i)SameSite=)(.*)" "$0; SameSite=None; Secure" env=!SAMESITE_SKIP

Header always edit Set-Cookie "(.*(\s+|;)(?i)Secure(\s+|;).*) Secure$" "$1" env=!SAMESITE_SKIP

Header onsuccess edit Set-Cookie "(.*(\s+|;)(?i)Secure(\s+|;).*) Secure$" "$1" env=!SAMESITE_SKIP
```

Adding the application

Perform these steps to add LX as an application that can run in Infor OS Portal or Ming.le.

In Infor OS Portal, applications are displayed on the Navigation Menu – Applications section.

In Ming.le, applications are displayed as icons in the Application Menu of Ming.le.

Each LX application must point to a SiW profile. The SiW profile corresponds to the tenant for the LX environment. You created this profile when you maintained the wsconfig.html or admin.html file in the “Configuring SiW” section earlier in this chapter.

1 If you have not already done so, create at least one role, for example LX-User or LX-SystemAdministrator that will be associated with the new application to allow all users belonging to that role to have access to the application. See Setting up roles in on page 65.

2 In Infor OS Portal or Ming.le, add a new application
See the *Infor Operating Service Administration Guide*.

3 Use this information to complete these fields:

Application Type (Ming.le only)

Specify Infor Application

Application Name

Select your application name and version from the list. Select the highest sub-number within your selected version. For example, if using LX 8.3.5, select the highest sub-number within that version such as 8.3.5.001 or 8.3.5.002 or 8.3.5.003 or 8.3.5.004.

Display Name (Infor OS Portal only)

Specify a display name for this application.

Logical ID

The first part of the logical ID is set automatically based on the application name. Specify the rest of the logical ID for the LX instance associated with this instance of Infor OS Portal or Ming.le, concatenating the name of the IBMi where LX is installed followed by a hyphen and then followed by the name of the LX environment control library, for example, mysystemi-erplxec.

Application Icon (Ming.le only)
Click **Choose Icon**.
Each application has a default icon. You can only select the color which you want to apply to the icon.

Use Https
Select this option if SSL is enabled for the LX user interface. If LX is using SSL, ensure that you specify the SSL-related port number in the **Port #** field.

Host Name
Specify the name of the SiW web/utility server. This host name is also used for drillbacks to the application.
Also, if you use a fully-qualified name, for example, server.infor.com, in one instance, you must use it for all instances.

Port #
Specify the port used by the SiW web/utility server. Typically, this is **80** for HTTP, and **443** for HTTPS.

Context
This context matches the Web Context Name entered during the installation of System i Workspace. Typically, this is systemi.

Default Tenant
This must match the Profile ID defined during SiW Configuration for this LX environment. See Configure SiW on page 55. We recommend that you specify **infor**.

- For Infor OS Ming.le, "Default TenantID" is an entry on tab "Deployment Information"
- For Infor OS Portal (Cloud), switch to tab "Custom Parameters" and add an entry with Name "DefaultTenantId"

4 On the Permissions tab, click “Add New Users and/or IFS Security Roles” and select the role that you specified in step 1, for example LX-User.

5 Click **Save**.

Adding accounting entities

Accounting entities are set up through BODs that are sent by your application to Infor OS Portal or Ming.le if a data flow from the LX connection point to the Infor OS Portal or Ming.le connection point has been activated.

LX is the system of record for accounting entities.

Adding locations

Locations are set up through BODs that are sent by your application to Infor OS Portal or Ming.le if a data flow from the LX connection point to the Infor OS Portal or Ming.le connection point has been activated.

LX is the system of record for locations.

Chapter 7 Configuring access to your application through Infor OS Portal or Ming.le

Users, roles, and person IDs are defined and shared among Infor OS Portal or Ming.le / Infor Federation Services (IFS) and all of the other applications that run through the Infor OS Portal or Ming.le portal.

Users and roles

If user provisioning is active, Infor OS Portal or Ming.le / IFS is the system of record for users, so you must set up users in Infor OS Portal or Ming.le / IFS and then synchronize them with other applications in the Infor OS Portal or Ming.le portal by using BODs. See KB2213680. After the users are synchronized with your application, you can continue the user setup in your application.

If user provisioning is not active, you must set up users in Infor OS Portal or Ming.le / IFS for access to Infor OS (Portal or Ming.le, ION, IFS, etc.) and you must separately set up users in each application.

You can perform these user management tasks in Infor OS Portal or Ming.le / IFS:

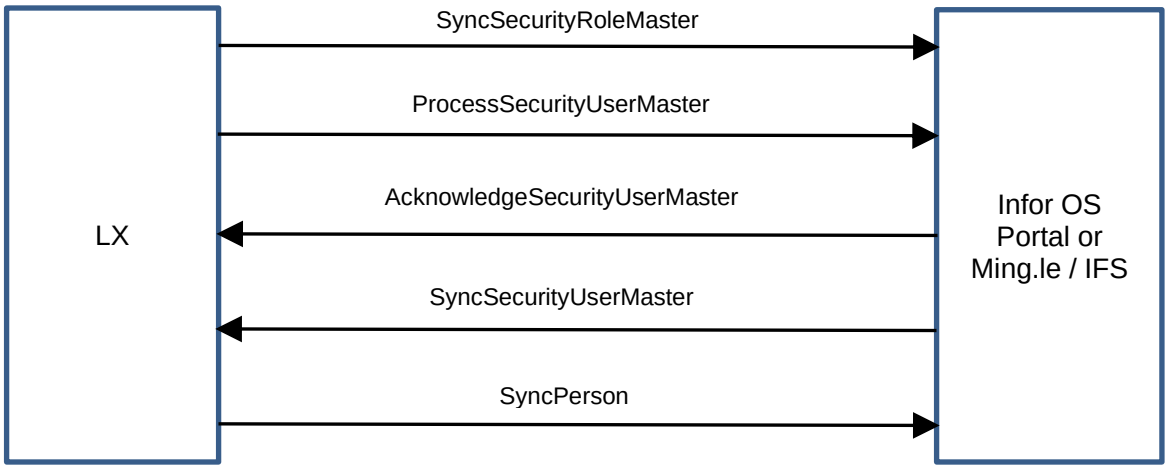
- Create users, including manual import of users
- Update users
- Delete or deactivate users
- Reset passwords
- Monitor recent user activity and mobile sessions
- Manage sessions

Setting up BODs to pass user and role information

Follow these steps to activate user provisioning.

Ensure that connection points are set up and a data flow is activated in ION Desk so that these BODs are sent between LX and Infor OS Portal or Ming.le / IFS:

1. In ION Desk, set up your application connection point for LX.
   See Connecting your application to ION on page 111.
2. When you installed Infor OS, you should have set up the Infor OS Portal or Ming.le / IFS connection point as part of completing the post-installation steps. See the *Infor Operating Service Installation Guide*.
3. In ION Desk, verify that a data flow between the LX connection point and the Infor OS Portal or Ming.le / IFS connection point exists, or import the data flow. See Configuring a data flow between applications on page 115.
4. Edit the data flow between the LX connection point and the Infor OS Portal or Ming.le / IFS connection point.
   See Configuring a data flow between applications on page 115.
5. Add the BODs shown in the flowchart to the data flow, in the appropriate direction. Note that AcknowledgeSecurityUserMaster does not need to be added to the data flow, it flows automatically and is only included in the flowchart for completeness.
6. Activate the data flow.



Considerations for creating users

When a SyncSecurityUserMaster BOD is received by LX because of a new user created in Infor OS Portal or Ming.le / IFS, an IBMi user profile will be created if it does not already exist. LX has a

system parameter controlling how the values of first name and last name will be combined to generate a value for the new IBMi user profile. The IBMi operating system imposes limitations on the valid characters in the value for an IBMi user profile of any letter (A through Z), any number (0 through 9) and four special characters: pound (#), dollar ($), underscore (_) and at (@), with the additional limitation that the value for an IBMi user profile cannot begin with a number.

Because of these IBMi limitations, when LX needs to create an IBMi user profile, in addition to the setting of the SYS802D user profile name format determining usage of first name versus last name, only characters in the first name and last name that abide by these IBMi limitations are used, see Setting parameters for user provisioning on page 69.

- Parameter 0 (First initial, last name) searches first name until finding a letter (A through Z), followed by characters of last name that abide by the IBMi limitations
- Parameter 1 (First name, last initial) searches first name until finding a letter (A through Z), then uses remaining characters of first name that abide by the IBMi limitations, followed by the result of searching last name until finding a character that abides by the IBMi limitations
- Parameter 2 (Last name, first initial) searches last name until finding a letter (A through Z), then uses remaining characters of last name that abide by the IBMi limitations, followed by the result of searching first name until finding a character that abides by the IBMi limitations

After creating the new IBMi user profile, LX adds the new IBMi user profile as an authorized LX user with default values from SYS802D and roles as specified in Infor OS Portal or Ming.le / IFS and included on the SyncSecurityUserMaster BOD. The SYS802D defaults include user's preferred language and authority. If any newly added user prefers a language other than the default or requires authority other than the default, an LX security officer must use SYS600 to change preferred language and authority for that user (which automatically updates SiM) and then upload from SiM to SiW, see Setting parameters for user provisioning on page 69.

Considerations for users shared by multiple LX instances

There are some additional considerations (related to the LX ERPUSR file in library QGPL) for creation and maintenance of users in the scenario involving multiple LX instances in a single Logical Partition (LPAR) of a single IBMi and at least one of those LX instances is activated for User Provisioning with IFS as the System of Record for users. There are also some additional considerations in the scenario involving multiple installations of Infor OS, each of which includes its own IFS.

The LX ERPUSR file's portion of this considerations section is not applicable if there is only one instance of LX in a single LPAR of a single IBMi. The LX ERPUSR file's portion of this considerations section is not applicable if User Provisioning with IFS has not been activated for any of the LX instances in a single LPAR of a single IBMi. The multiple Infor OS portion of this considerations section is not applicable if installed as a one-to-one relationship between a unique installation of Infor OS (IFS, ION, etc.) and a unique installation of LX, for example a production LX (as the only LX in its LPAR activated for User Provisioning with IFS) linked to a production Infor OS and a test LX (as the only LX in its LPAR activated for User Provisioning with IFS) linked to a test Infor OS. Also see Setting parameters for user provisioning on page 69.

- Scenario: Each Infor OS, including its IFS, connects to exactly one LX environment
    - One IFS user corresponds to exactly one IBMi user profile and that IBMi user profile is authorized to the one LX environment
    - ERPUSR file remains in QGPL
    - Attaching an IFS security role to an IFS user results in the corresponding LX business role attaching to the corresponding IBMi user profile in the one LX environment
- Scenario: Each Infor OS, including its IFS, connects to multiple LX environments sharing IBMi use profiles
    - One IFS user corresponds to exactly one IBMi user profile and that IBMi user profile is authorized to each of the LX environments
    - ERPUSR file remains in QGPL
    - Attaching an IFS security role to an IFS user results in the corresponding LX business role attaching to the corresponding IBMi user profile in each of the LX environments
    - Note: if one of those corresponding LX business roles does not exist in one of the LX environments or has different authority between LX environments, then one IFS user (via its corresponding IBMi user profile) will have different authority in each LX environment
- Scenario: Each Infor OS, including its IFS, connects to multiple LX environments each requiring its own IBMi user profile
    - One IFS user corresponds to multiple IBMi user profiles with each IBMi user profile authorized to one of the LX environments
    - ERPUSR must be removed from QGPL and a copy of ERPUSR must be placed in a library in each LX environment's library list
    - Attaching an IFS security role to an IFS user results in the corresponding LX business role attaching to each of the corresponding IBMi user profiles (one in each LX environment)
    - Note: if one of those corresponding LX business roles does not exist in one of the LX environments or has different authority between LX environments, then one IFS user (via its multiple corresponding IBMi user profiles) will have different authority in each LX environment
- Scenario: Each Infor OS, including its IFS, connects to multiple LX environments, grouped by ability to share IBMi user profiles
    - One IFS user corresponds to a first IBMi user profile for authorization to the first group of LX environments, and to a second IBMi user profile for authorization to the second group of LX environments, etc.
    - ERPUSR must be removed from QGPL and a first copy of ERPUSR must be placed in a library common to the library list of each LX environment in the first group, and a

second copy of ERPUSR must be placed in a library common to the library list of each LX environment in the second group, etc.

- Attaching an IFS security tole to an IFS user results in the corresponding LX business role attaching to each of the corresponding IBMi user profiles (one in each group of LX environments)
- Note: If one of those corresponding LX business roles does not exist in one of the LX environments or has different authority between LX environments, then one IFS user (via its multiple corresponding IBMi user profiles) will have different authority in each LX environment

Configuring user access to your application through Infor OS Portal or Ming.le

You must complete this task before users can access your application through Infor OS Portal or Ming.le. After adding LX as an application in Infor OS Portal or Ming.le, see Adding the application on page 58, with an authorized role, for example LX-User or LX-SystemAdministrator, create each user as part of one of those roles, for example LX-User.

Configuring additional system administrator access to your application through Infor OS Portal or Ming.le

Infor OS Portal or Ming.le / IFS provides a default Infor-SystemAdministrator role that enables full access to all applications that are linked to Infor OS Portal or Ming.le. LX has an LX-SystemAdministrator role that allows access to all LX screens, including LX Security Maintenance. When a user who has the Infor-SystemAdministrator role in Infor OS Portal or Ming.le / IFS is synchronized to LX, that user automatically has access to all LX screens.

Setting up roles in Infor OS Portal or Ming.le

Creation or maintenance of a business role in LX (security type R) generates a SyncSecurityRoleMaster BOD that creates a role in Infor OS Portal or Ming.le / IFS with prefix LX-BusinessRole-. Initial data load from LX sends BODs to Infor OS Portal or Ming.le / IFS for every business role in LX along with pre-defined roles: LX-SystemAdministrator and LX-User. If bypassing initial data load, use Infor OS Portal or Ming.le / IFS to manually create any of the pre-defined roles that were not delivered with Infor OS: LX-SystemAdministrator and LX-User.

Once the LX business roles exist in Infor OS Portal or Ming.le / IFS as roles with prefix LX-BusinessRole-, you can use Infor OS Portal or Ming.le / IFS to manage most role assignments.

Prefix LX-BusinessRole- is reserved for LX business roles sent from LX to Ming.le / IFS via the SyncSecurityRoleMaster BOD. Any attempt to use Ming.le / IFS to manually create a role with prefix LX-BusinessRole- and assign that manually created role to a user will be rejected by LX upon receipt of the corresponding SyncSecurityUserMaster BOD from IFS because the value (after removing the prefix) won't exist in LX as a valid business role.

Adding role LX-SystemAdministrator or Infor-SystemAdministrator to a user results in that user set in LX as security type S=LX Security Officer. Adding any role with an LX- prefix to a user (without also adding LX-SystemAdministrator or Infor-SystemAdministrator) results in that user set in LX as security type U=LX User. Note that adding role Infor-SystemAdministrator also requires adding at least one role with an LX- prefix in order for the user to be set up in LX.

For instructions to set up and assign roles, see the *Infor Operating Service Administration Guide*.

Setting up distribution groups

Optionally, you can set up distribution groups in Infor OS Portal or Ming.le for LX users who require access to ION in order to view or update information or to troubleshoot errors. See the *Infor Operating Service Administration Guide*.

Chapter 8 Configuring your application

You must set up this application so that it can generate BODs and place them in a message outbox from which Infor ION Connect can retrieve them.

You must also set up the inbound message configuration, so that BODs sent to this application can process those messages.

Setting master data to standardized values

To ensure consistent master data between integrated applications, use the ISO standard values where applicable.

With the LX program SYS127, cross-referencing is enabled between internal LX user-defined code values and their corresponding ISO standard values that are used on BODs for these types of codes:

Type of code	Stored in LX file (and table within file)
Currency code	GCM
Language codes	ZLA
Country codes	LCN
Unit of measure codes	ZCC – UNITMEAS
Payment type codes	ZPA – PAYTYPE

To define cross-references between internal LX user-defined code values and ISO standard values:

1. Access SOA Cross Reference Maintenance, SYS127D1.
2. Select one of the listed files with either 11=Inbound BOD Values or 12=Outbound LX Values and press Enter.
3. For an inbound mapping, specify 1=Create and specify an ISO standard value that will be used on a BOD that LX receives inbound and press Enter.

4 On the next screen, specify the corresponding LX user-defined code value corresponding to the ISO standard value and either press Enter to create just this inbound mapping or press F18=Accept and Generate Inverse to create both this inbound mapping and its inverse outbound mapping.

5 For an outbound mapping, specify 1=Create next to a valid LX user-defined code value and press Enter.

6 On the next screen, specify the corresponding ISO standard value that will be used on BODs published by LX and either press Enter to create just this outbound mapping or press F18=Accept and Generate Inverse to create both this outbound mapping and its inverse inbound mapping.

7 To set a default language that represents all LX textual values that are not associated with a language code, select the language code file ZLA with action 12=Outbound LX Values and press Enter.

   a On the next screen, press F15=Default Value.

   b On the final screen, specify the ISO standard language value (example: en-US) corresponding to your LX environment's default language and press Enter.

8 To set cross-references for inventory adjustment reason codes:

   a Select an inventory transaction effect code to be used for posting inbound InventoryAdjustment BODs into LX, and specify that value in SYS830D-03.

   b Access SOA Cross Reference maintenance, SYS127D1.

   c Use action 1=Create, specify file name=ZPA and specify ZCC/ZPA Table=RCOD + the inventory transaction effect code to be used for posting inbound InventoryAdjustment BODs into LX (concatenate retaining all leading, embedded, and trailing blank spaces of the selected inventory transaction effect code) and press Enter.

   d On the next screen, specify these values, and then press F14=BOD Entities.

   i) Primary Key Field = PKEY

   ii) Key Field Length = 2

   iii) Key Field Attribute = 1

   iv) Record ID Field = IDPA

   v) Value for Active Record = TR

   vi) Window Lookup Program = WINZTRD

   e On the next screen, specify these values and press Enter.

   i) BOD Noun = InventoryAdjustment

   ii) Element = 0

   iii) Xpath = InventoryAdjustmentLine.ReasonCode

   f Return to the step for creating inbound mappings and select the new entry for ZPA – RCOD(+ specified inventory transaction effect code) and continue processing.

If using EGLi, define cross-reference between internal EGLi currency code and ISO currency code.

1 Access IDF (Power-Link or Net-Link) and open menu Enterprise Financials and sub-menu Enterprise General Ledger and sub-sub-menu Codes.

2 Launch business object Currency Codes.

3 Edit each currency code whose ISO currency code differs and insert the appropriate ISO currency code.

Setting parameters for user provisioning

Creation of new users can be initiated in Infor OS Portal or Ming.le / IFS, with a SyncSecurityUserMaster BOD sent to LX. If necessary, the LX handling of a received SyncSecurityUserMaster BOD can include creation of an IBMi user profile which can then be defined as an authorized LX user. See Considerations for creating users on page 62.

1 Go to Parameters Generation, SYS800D.

2 Open Security Settings Maintenance, SYS802D-01.

3 Specify values on all screens. These values will apply to all new users created in LX upon receipt of a SyncSecurityUserMaster BOD from Infor OS Portal or Ming.le / IFS. After the user has been created and added to the LX security file, these default values can be overridden using SYS600 Security Maintenance.

   a User profile to copy for creation of a new IBMi user profile. This IBMi user profile must already exist and have the IBMi authority intended for any new LX user. If this profile has a group profile or any supplemental group profiles, then the user executing LX Extension (defined in the LX Extension configuration) must have at least *CHANGE and *OBJMGT authority to any user profiles used as the group profile or as supplemental group profiles (on this user profile to be copied for creation of a new IBMi user profile). Note that when LX Extension receives an inbound SyncSecurityUserMaster BOD and copies this profile for creation of a new IBMi user profile, that new IBMi user profile will have password *NONE.

      i) If single sign on is enabled, it is acceptable for the newly created user profiles to have password *NONE.

      ii) If single sign on is not enabled, then the IBMi security administrator must assign passwords to all newly created user profiles, and must inform people of their initial password.

   b User profile name format. The 10-character value of the new IBMi user profile being created is formatted based on the new user's first name and last name, as specified in Infor OS Portal or Ming.le / IFS and passed to LX on the SyncSecurityUserMaster BOD.

      i) 0 = format by searching first name until finding a letter (A through Z), then concatenating with first nine valid characters (meeting IBMi limitations) of last name (or entire set of valid characters of last name if shorter than nine characters)

ii) 1 = format by searching first name until finding a letter (A through Z) then concatenating next eight valid characters (meeting IBMi limitations) of first name (or entire set of valid characters of first name if shorter than nine characters) then concatenating with first valid character (meeting IBMi limitations) of last name

iii) 2 = format by searching last name until finding a letter (A through Z) then concatenating next eight valid characters (meeting IBMi limitations) of last name (or entire set of valid characters of last name if shorter than nine characters) then concatenating with first valid character (meeting IBMi limitations) of first name

iv) If resultant concatenation already exists as an IBMi user profile, replace last characters by numbers until a value is found that does not already exist as an IBMi user profile.

v) If neither first name nor last name contain any characters meeting IBMi limitations, start with default new user profile LXUSR and then add digits for each successive new user profile LXUSR0, LXUSR1, etc. through LXUSR99999 corresponding to each Ming.le / IFS user whose first and last names don't contain any characters meeting IBMi limitations.

c Default language. Specify a language for all new users.

d Default group ID. Specify a group ID for all new users.

e Default region. Specify a region for all new users.

f Default authorization to all products.

i) 1 = Yes acts as a shortcut for granting authority to all products and programs.

ii) 0 = No requires explicit authorization to specified products and programs.

iii) This flag is ignored if an inbound SyncSecurityUserMaster BOD includes at least one role with prefix LX-BusinessRole-.

g Default authorization to attention key.

i) 1 = Yes allows a user to press the IBMi attention key from within a green screen LX program or menu.

ii) 0 = No disallows a user from pressing the IBMi attention key from within a green screen LX program or menu.

iii) This flag is ignored if an inbound SyncSecurityUserMaster BOD includes at least one role with prefix LX-BusinessRole-.

h Default authorization to all warehouses.

i) 1 = Yes acts as a shortcut for granting authority to all warehouses.

ii) 0 = No requires explicit authorization to specified warehouses.

i Default authorization to all facilities.

i) 1 = Yes acts as a shortcut for granting authority to all facilities.

ii) 0 = No requires explicit authorization to specified facilities.

j Default authorization to all companies.

i) 1 = Yes acts as a shortcut for granting authority to all companies.

ii) 0 = No requires explicit authorization to specified companies.

k Default authorization to all transaction effect codes.

i) 1 = Yes acts as a shortcut for granting authority to all inventory transaction effect codes.

ii) 0 = No requires explicit authorization to specified inventory transaction effect codes.

iii) This flag is ignored if an inbound SyncSecurityUserMaster BOD includes at least one role with prefix LX-BusinessRole-.

l Synchronize SiM users' existence with LX users.

i) 1 = Yes immediately sends changes performed in SYS600 Security Maintenance (either via WebTop screens or via processing of inbound SyncSecurityUserMaster BOD) to SiM.

ii) 0 = No requires explicitly using SYS075 Configuration Export to send changed information to SiM.

m Synchronize IDF users' existence with LX users.

i) 1 = Yes immediately sends changes performed in SYS600 Security Maintenance (either via WebTop screens or via processing of inbound SyncSecurityUserMaster BOD) to IDF.

Note. Immediately sending SYS600 changes to IDF requires command CPYSECIDF in the active LX library list. See *IDF for Infor LX Security Maintenance Guide* for instructions on either editing the LX library list to include the CPYSECIDF library or copying command CPYSECIDF and its supporting objects into a library that is already in the LX library list.

ii) 0 = No requires explicitly using CPYSECIDF Synchronize Security with IDF to send changed information to IDF.

Infor OS Portal or Ming.le / IFS publishes a SyncSecurityUserMaster BOD as soon as a user is created, including any roles identified for inclusion on all newly created users. Adding roles to the user, while it appears to be part of the same Infor OS Portal or Ming.le / IFS transaction, is actually a separate transaction that publishes an additional SyncSecurityUserMaster BOD. If the initial SyncSecurityUserMaster BOD excludes roles beginning with prefix LX-BusinessRole-, then the relevant SYS802D defaults will be assigned to the new user (as seen in SYS600). Even if the additional SyncSecurityUserMaster BOD includes any roles beginning with prefix LX-BusinessRole-, the relevant SYS600 values remain unchanged. In order to change these values, an LX security officer or security manager must use SYS600 (which automatically updates SiM) and then upload from SiM to SiW.

- Authorization to all products
- Authorization to attention key
- Authorization to all warehouses
- Authorization to all facilities
- Authorization to all companies
- Authorization to all transaction effect codes

Note that even with parameters set to immediately send information about new users from LX to SiM, those new users remain unable to execute LX programs from the SiW menu within Infor OS Portal or Ming.le until those new users have been uploaded from SiM to SiW. If a scheduled full refresh is active for a specified day of the week, this will happen automatically, but it may wait up to a week for that specified day. If a scheduled full refresh is active daily, this will happen automatically, but it may wait until the next day. To manually upload new users from SiM to SiW, access amconfig.html (for SiW 2015) or admin.html > Application Manager (for SiW AnyWhere) and update main application manager definitions a first time to upload new users, and a second time to upload authorization for selected users.

The prerequisites for user provisioning with LX and Infor OS both installed on-premises vary by scenario. Also see Considerations for users shared by multiple LX instances on page 63.

- Scenario: brand new install of both LX and Infor OS, without any users having been previously defined in either.
    - Activate ION data flow between LX connection point and Infor OS Portal or Ming.le / IFS connection point.
    - Activate appropriate LX exit points for SYS600D2 and SYS602D.
    - Within LX create business roles.
    - Within Infor OS Portal or Ming.le / IFS, verify all LX business roles have been uploaded as Infor OS Portal or Ming.le / IFS security roles with prefix LX-BusinessRole-, and the special Infor OS Portal or Ming.le / IFS security roles exist: LX-SystemAdministrator and LX-User.
    - Optionally, set Infor OS Portal or Ming.le / IFS security role LX-User for inclusion on all newly created users.
    - Within Infor OS Portal or Ming.le / IFS, select users from your company's network directory to be added as Infor OS Portal or Ming.le / IFS users. Maintain each newly added Infor OS Portal or Ming.le / IFS user to add Infor OS Portal or Ming.le / IFS security roles beginning with an LX- prefix so that the generated LX users will have the appropriate LX authority. For each maintained user, Infor OS Portal or Ming.le / IFS builds and sends a SyncSecurityUserMaster BOD to LX, which responds by generating a new IBMi user profile and adding that new IBMi user profile to the LX security master file and exporting the new LX security master information to SiM.
    - Manually upload new users from SiM to SiW or wait until next scheduled full refresh.
- Scenario: Infor OS has been installed and has users, LX is newly installed and does not yet have any users.
    - Activate ION data flow between LX connection point and Infor OS Portal or Ming.le / IFS connection point.
    - Activate appropriate LX exit points for SYS600D2 and SYS602D.
    - Within LX create business roles.
    - Within Infor OS Portal or Ming.le / IFS, verify all LX business roles have been uploaded as Infor OS Portal or Ming.le / IFS security roles with prefix LX-

BusinessRole-, and the special Infor OS Portal or Ming.le / IFS security roles exist: LX-SystemAdministrator and LX-User.

- Within Infor OS Portal or Ming.le / IFS, assign roles beginning with prefix LX- to users. For each maintained user, Infor OS Portal or Ming.le / IFS builds and sends a SyncSecurityUserMaster BOD to LX, which responds by generating a new IBMi user profile and adding that new IBMi user profile to the LX security master file and exporting the new LX security master information to SiM.
- Manually upload new users from SiM to SiW or wait until next scheduled full refresh.

- Scenario: LX has been installed and has users, Infor OS is newly installed and does not yet have any users.
  - Verify that each existing LX user ID (IBMi user profile) matches the expected value based on the user's first name, last name, and setting of the new "User profile name format" parameter: 0 = first initial, last name; 1 = first name, last initial; 2 = last name, first initial. See Considerations for creating users on page 62.
  - Use either of SYS600D1 or SYS602D to enter email address and distinguished name for every user, matching the user's email address and network profile (user ID) as stored in the company's network directory. LX security officers can execute SYS600D1 and SYS602D for all users' email addresses and distinguished names. Regular LX users can only execute SYS602D for their own email addresses and distinguished names. Note with Infor OS in cloud, using company's network directory is optional and, if declined, distinguished name only needs to be a unique unused non-blank value in SYS600D1 or SYS602D, and will be overridden by Infor OS Portal or Ming.le / IFS.
  - Activate ION data flow between LX connection point and Infor OS Portal or Ming.le / IFS connection point.
  - Activate appropriate LX exit points for SYS600D2 and SYS602D.
  - Within LX create or revise business roles so that the appropriate exit point will initiate building and sending of SyncSecurityRoleMaster BODs to Infor OS Portal or Ming.le / IFS.
  - Within Infor OS Portal or Ming.le / IFS, verify all LX business roles have been uploaded as Infor OS Portal or Ming.le / IFS security roles with prefix LX-BusinessRole-, and the special Infor OS Portal or Ming.le / IFS security roles exist: LX-SystemAdministrator and LX-User.
  - Optionally, set Infor OS Portal or Ming.le / IFS security role LX-User for inclusion on all newly created users.
  - Within Infor OS Portal or Ming.le / IFS, select users from your company's network directory to be added as Infor OS Portal or Ming.le / IFS users. Maintain each newly added Infor OS Portal or Ming.le / IFS user to add Infor OS Portal or Ming.le / IFS security roles beginning with an LX- prefix so that the generated LX users will have the appropriate LX authority. For each maintained user, Infor OS Portal or Ming.le / IFS builds and sends a SyncSecurityUserMaster BOD to LX, which uses email

address to find the corresponding already existing LX user, whose information in the LX security master file is then updated and exported to SiM.

- If any user authority has changed, manually upload new user authority from SiM to SiW or wait until next scheduled full refresh.

- Scenario: LX and Infor OS are both already installed and each has users but the LX user IDs are not yet linked to their corresponding Infor OS / Ming.le / IFS user IDs.
  - Verify that each existing LX user ID (IBMi user profile) matches the expected value based on the user's first name, last name, and setting of the new "User profile name format" parameter: 0 = first initial, last name; 1 = first name, last initial; 2 = last name, first initial. See Considerations for creating users on page 62.
  - Use either of SYS600D1 or SYS602D to enter email address and distinguished name for every user, matching the user's email address and network profile (user ID) as stored in the company's network directory. LX security officers can execute SYS600D1 and SYS602D for all users' email addresses and distinguished names. Regular LX users can only execute SYS602D for their own email addresses and distinguished names. Note with Infor OS in cloud, using company's network directory is optional and, if declined, distinguished name only needs to be a unique unused non-blank value in SYS600D1 or SYS602D, and will be overridden by Infor OS Portal or Ming.le / IFS.
  - Activate ION data flow between LX connection point and Infor OS Portal or Ming.le / IFS connection point.
  - Activate appropriate LX exit points for SYS600D2 and SYS602D.
  - Within LX create or revise business roles so that the appropriate exit point will initiate building and sending of SyncSecurityRoleMaster BODs to Infor OS Portal or Ming.le / IFS.
  - Within Infor OS Portal or Ming.le / IFS, verify all LX business roles have been uploaded as Infor OS Portal or Ming.le / IFS security roles with prefix LX-BusinessRole-, and the special Infor OS Portal or Ming.le / IFS security roles exist: LX-SystemAdministrator and LX-User.
  - Optionally, set Infor OS Portal or Ming.le / IFS security role LX-User for inclusion on all newly created users.
  - Within Infor OS Portal or Ming.le / IFS, maintain each Infor OS Portal or Ming.le / IFS user to add Infor OS Portal or Ming.le / IFS security roles beginning with an LX- prefix so that the corresponding LX users will have the appropriate LX authority. For each maintained user, Infor OS Portal or Ming.le / IFS builds and sends a SyncSecurityUserMaster BOD to LX, which uses email address to find the corresponding already existing LX user, whose information in the LX security master file is then updated and exported to SiM.
  - If any user authority has changed, manually upload new user authority from SiM to SiW or wait until next scheduled full refresh.

Related to the scenarios in which LX is already installed, the matching of IFS user with LX user is based on matching email address, which requires that any one email address only be associated

with one LX user. BMR 80827 corrects SYS602D validation to enforce any one email address being associated with only one LX user. See KB2213686. If any email address is associated to more than one LX user, it must be changed so that each LX user has a unique email address. An LX security officer can edit users' email addresses in either SYS602D or SYS600D1. The following SQL statement is one possible way of identifying email addresses that are associated to more than one LX user.

```
select a.usid, a.emal from erpusr a where a.emal <> ' ' and a.emal
in(select b.emal from erpusr b group by b.emal having count(*) > 1)
order by a.emal, a.usid
```

Setting accounts receivable parameters

New customers that are created in Infor CRM are sent to Infor LX in a ProcessCustomerPartyMaster BOD. To allow creating the new customer in Infor LX, set your system parameter to allow automatic assignment of customer numbers.

1. Go to Parameters Generation, SYS800D.
2. Open Accounts Receivable Parameters, ACR820D-01.
3. In the **Automatic Customer Assignment** field, specify **1=Yes**. This setting allows inbound BODs to create customer records.
4. Specify values for the **Next Customer Number** and the **Increment Customer By** fields as appropriate.
5. Press **Enter**.

Maintaining the region code

To support BOD-based integrations that require all date time elements to be in the UTC time zone, verify a time zone is enabled in LX's Region Code Maintenance. To maintain the time zone and the region code:

1. Access Time Zone Code Selection, SYS826D1.
2. If a time zone code has not been created for a time zone, specify 1 to create a time zone code.
3. After the time zone code has been created, access Region Code Selection, SYS823D1.
4. Specify 1 to create a region code or 2 to revise a region code.
5. On the Region Code Maintenance screen, specify a time zone code for the region code.
6. Press **F6** to accept.

Transactions are recorded in the LX database using the LX system time zone, which is typically the time zone of the IBMi computer on which LX is installed. When one or more time zone codes have

been created, including a time zone code representing the LX system time zone, update the LX system parameter setting for system time zone

1. Access LX system parameters, SYS800D.
2. Select Company Name & Date Format, SYS820D.
3. Specify the system time zone.
4. Press Enter to accept.

Determining the city

An LX address consists of 6 lines without an explicit city field. The definition of a country includes identifying which of the 6 address lines is considered a city. When publishing a BOD, the address line considered a city for that country is moved into the city element and does not appear in the address line element. When receiving a BOD, the value in the city element is posted to the address line considered city for the country of that address. To define which address line is considered city for a country:

1. Access Country Code Selection, SYS117D1.
2. Specify 1 to create a country code or 2 to revise a country code.
3. On the Country Code Maintenance screen, specify the address field for city information.
   a. 0 = Do not populate the city element from any address line on outbound BODs and do not read the city element's value for updating any address line in inbound BODs
   b. 1-6 = Publish the value of that address line (1-6) in the city element and not in the address line element on outbound BODs and update that address line (1-6) from the value in the city element on inbound BODs.
   c. 9 = Publish the value of the highest non-blank address line (1-6) in the city element and not in the address line element on outbound BODs and based on the highest address line sequence number in an inbound BOD update the next higher address line from the city element's value.
4. Press **F6** to accept.

Considerations for supporting STTi

If planning to use Serialization Track and Trace for IBMi (STTi), order numbers must be limited to a maximum of 8 digits and email addresses must be limited to a maximum of 70 characters.

Considerations for supporting inbound SupplierInvoice BOD

If planning to receive ProcessSupplierInvoice BOD inbound into LX, and setting A/P Invoice Tax Code for a company to Y = Require Tax Code, a valid vendor tax code must be established on every vendor for whom an inbound ProcessSupplierInvoice BOD will be received. Otherwise the BOD will be rejected by LX.

If planning to receive ProcessSupplierInvoice BOD inbound into LX for A/P Invoice with distribution lines, the associated company's A/P Invoice Tax Code must be set to N = Do Not Require Tax Code. Otherwise the BOD will be rejected by LX.

The following options are available if planning to receive ProcessSupplierInvoice BOD inbound into LX for A/P Invoice with taxes:

1. LX will calculate taxes using combination of vendor tax code and item tax code on purchase order line: DO NOT map SupplierInvoiceHeader/Tax/TaxJurisdicationCodes/Code
2. Another system calculates taxes; LX will NOT be used to calculate taxes: Map SupplierInvoiceHeader/Tax/TaxJurisdicationCodes/Code with a valid tax identifier for each occurrence of taxing authority

If planning to receive ProcessSupplierInvoice BOD inbound into LX, it is recommended to set the Allow Journals in Error parameter to 1=Yes (enabled) in either CEA Event or EGLi Financial Event, depending on whether you are using CEA or EGLi. Otherwise, if journal lines can't be resolved through the inbound process, the BOD will be rejected by LX.

Setting up logical IDs, tenants, accounting entities, and locations in LX

Defining the logical ID

The logical ID was established during installation of LX Extension. To revise the logical ID, edit the connections.xml file located in the IFS directory where you installed the LX Extension. XML label [LXComponentLID] has the logical ID as its value. If LX Extension's Adapter components are active when the logical ID is changed, LX Adapters must be stopped and then restarted in order for the new logical ID to become effective.

A copy of the logical ID is also stored in the XOU file in a record with OUETYP = '2'. If revising the logical ID in the connections.xml file, also make the same revision in the XOU file.

Note: An LX logical ID must begin with "lid://infor.lx." and is not allowed to have any additional dots (periods). An LX logical ID must end with a hyphen (dash) followed by the name of the LX environment control library. It is recommended to place the name of the IBMi on which LX is installed after the second dot and before the hyphen. For example, LX is installed on an IBMi

named "mysystemi" with an environment control library named "erplxec", then the complete logical ID would be "lid://infor.lx.mysystemi-erplxec".

Note: Changing an LX logical ID after transaction processing has occurred may cause unpredictable results when attempting to perform drillbacks to LX either from BODs that were published before changing the LX logical ID or from posts shared from Infor Business Context messages before changing the LX logical ID.

Defining the tenant

To define the tenant:

1. Access SOA Cross Reference Maintenance, SYS127D1.
2. On the SYS127D1-01 screen, press **F14**=Outbound Tenant Values.
3. Specify the value that will be common to all instances or environments of software products that share data. The default value for the first tenant in ION is infor. Assign the same value to the tenant in LX.
4. Press **Enter**. The tenant is stored in the XOU file in a record with OUETYP = ‘3’.

Defining the default accounting entity

The BODs for most master nouns require an accounting entity. In an LX implementation the company can be used as the accounting entity but some master nouns, for example, the Item master, are not configured with a company. To create and receive item master BODs, you must define a default accounting entity. Transactions, for example, customer orders use the company assigned to the customer as the accounting entity, not the default accounting entity that is assigned to the item on the order.

Note: If a default accounting entity is not defined, BODs that require a default accounting entity fail to generate and messages may be lost.

Note: Once BODs have been communicated between LX and other products, changing the default accounting entity for an LX environment will cause data mismatch with those other products.

To define the default accounting entity:

1. Access SOA Cross Reference Maintenance, SYS127D1.
2. Press **F16=Outbound Accounting Entity**.
3. Specify a value to use as the default accounting entity. It is recommended that you use one of the LX company values as default accounting entity. If the value is less than ten, add leading zeros, for example, 01.
4. Press **Enter**. Default accounting entity is stored in the XOU file in a record with OUETYP = ‘4’.

To define the default accounting entity for BODs published from EGLi:

1. Access IDF (Power-Link or Net-Link) and open menu Environment and sub-menu Settings.

2 Launch business object Application Settings.

3 Select "Business Information Services".

4 Update "Organization node" with the value to be used as default accounting entity.

Enabling automatic e-mail notifications (optional)

If you are upgrading from an earlier version of the LX Extension, you are not required to repeat this setup step.

With LX integrations, you can optionally send email messages to alert the appropriate personnel that the LX Adapter cannot process a message. For LX Adapter processing, predefined events that initiate automatic email notifications when the events occur are grouped together in the LXADAPTER event group. Only one message for each event will be sent for an LX session. This task is optional.

The LXADAPTER event group includes the SYS070C003 event. Events cannot be saved to the SAFE_BOX. The SAFE_BOX might be missing or not journaled.

To set up your system to use the automatic email notification, use these programs:

- LX System Parameters, SYS820. Specify a mail host to use for the email notifications.
- Email Distribution List Maintenance, SYS191D. Create an email distribution list for the users who should receive the emails when the event occurs.
- Email Event Group Selection, SYS192D. Activate the event group and the desired events. Assign users or the distribution list to events in the group.
- Literal Maintenance, SYS708C. Review and maintain the email subject line and body for each of the events.
- User Where-Used Listing, SYS193D. Find the distribution lists, event groups, and events to which a user ID is assigned.

Maintaining an email distribution list maintenance SYS191D

Use SYS191D to create and maintain the email distribution lists and to add users to the list.

You can maintain email list names and descriptions directly on the screens in this program. You can make your changes without using an action code.

To create an email distribution list:

1 Select Email Distribution List Maintenance, SYS191D.

2 Specify this information on the SYS191D-01 screen:
Act = Specify 1=Create.
List = Choose a name for the list.
Description = Specify a description of the list.

3 Press **Enter**.

4 To add users to the distribution list, specify 11=Select in the Act field next to a distribution list.

5 Press **Enter** to display the Email Distribution List Maintenance, SYS191D-02.

6 Specify this information on the SYS191D-02 screen:
Act = Specify 1=Create.
User ID = Specify a user ID to include in the distribution list. The system does not validate this user ID.
Seq = Do not enter the sequence number except to reposition the list. The system assigns the sequence number to allow you have more than one user with the same User ID on the distribution list.
Email Address = Specify the email address for the user.

7 Press **Enter**. The system puts the status to 1=Active.

Maintaining an email event group selection SYS192D

Use SYS192D to activate an event group or an event within a group, add the email sender, and add email recipients to the event.

You can add sender and recipient email addresses and maintain descriptions of the events directly on the screens in this program. You can make your changes without using an action code.

As delivered the events are inactive; you must activate the events to generate emails. You can activate a group and then deactivate the events within the group that are not appropriate to your business.

To activate an event or an event group:

1 Select Email Event Group Selection, SYS192D.

2 The screen shows the predefined event groups and the LX file associated with the event group, if appropriate. Specify **2=Revise** in the Act field next to the event group.

3 Press **Enter**. The system activates all events within the event group.

4 To deactivate an event within the group, specify **10=Display Email Lists** next to the event group.

5 Press **Enter** to display the Event Email Lists screen, SYS192D-02.

6 Currently, LX Adapter uses only event SYS070C003. To deactivate an event within the group, specify **4=Delete** in the Act field next to the event.

7 Press **Enter**.

To view and maintain the email messages:

1 Select Email Event Group Selection, SYS192D.

2 Specify **10=Display Email Lists** next to an event group.

3 Press **Enter**.

4 For each event, the SYS192D-02 screen displays the number of the literal for the email message. Use **F14=Literal Maintenance** to access SYS708C to view or maintain the email messages.

To assign email recipients to an event in an event group:

1 Select Email Event Group Selection, SYS192D.

2 The screen displays the predefined event groups and the LX file associated with the event group, if appropriate. Specify 11=Display Email Addresses in the Act field next to the event group.

3 Press **Enter** to display the SYS192D-03 screen.

4 You can add an email recipient for an event within the group or to all events in the group.

   a To add a recipient to a single event, specify 1=Add in the Act field and specify the event.

   b To add a recipient to all events in the group, specify 9=Add for All Events in the Act field.

5 Specify either an email address or a Distribution List defined in SYS191D. Entry of a User ID is optional. Press **Enter**.

This table includes the available events.

Event Group	Event	Event Description
COSHIPMENT	ORD550PLC	PLC code shipment error
COSHIPMENT	ORD570ERR	Pick Confirm Error
COSHIPMENT	ORD580HLD	Customer order release from holds
COSHIPMENT	ORD582HLD	Customer Order put on hold
COSHIPMENT	ORD720AVL	Customer Order Lot Not Available
COSHIPMENT	ORD720CUS	Customer Lot Qualifiers
COSHIPMENT	ORD720EXP	Customer Order Expired Lot
COSHIPMENT	ORD720PLC	PLC code shipment error
COSHIPMENT	ORD720STS	Customer Order Lot Status
LXADAPTER	SYS070C002	Environment configuration errors
LXADAPTER	SYS070C003	LX SOA Adapter Safe Box errors
LXCONNECTR	SYS071C001	LX Connector Not Available
LXCONNECTR	SYS071C002	Environment configuration errors
LXCONNECTR	SYS071C003	LX Connector Safe Box Errors
PORECEIPT	PUR550HLD	Receipt to unapproved PO

Activating exit points

If you are upgrading from an earlier version of the LX Extension, you are not required to repeat this setup step for exit points that you previously activated.

An exit point or database file trigger for an integration is usually delivered as priming data in an MR. The exit points and file triggers are inactive when you install the MRs but, if you are using another LX integration, these program calls might already be active. You must make sure that the exit points and database triggers are activated before you can use an integration.

Use Product Interface Maintenance, SYS635D1, to ensure that the appropriate ZXI records are activated. See the documentation for the integration that you are implementing for a list of exit points to activate.

Note: Specify one active record with Call Program SYS070C for each Program/Interface point combination that you intend to use in your integration. Do not create duplicate records.

This table lists the exit points that must be activated and the integrations that use the exit points:

Program	Exit point	Call Program	Integration
ACP100D2	SUPPUPDATE	SYS070C	Business Vault WMS EAM
ACP110B	EXIT01	SYS070C	Business Vault EAM
ACP140D2	EXIT01	SYS070C	Business Vault
ACP141D	EXIT01	SYS070C	Business Vault
ACP150D2	EXIT01	SYS070C	Business Vault
ACP160D2	EXIT01	SYS070C	Business Vault
ACP500D2	INVOICE	SYS070C	Business Vault
ACP500D4	ACPGEN	SYS070C	Business Vault
ACP504B	POUPDATE	SYS070C	Business Vault
ACP504B	3WAYMATCH	SYS070C	Business Vault Supplier Exchange
ACP510D	INVOICE	SYS070C	Business Vault
ACP540B4	UPDPAYABLE	SYS070C	Business Vault
ACP655D	AMHRECORD	SYS070C	Business Vault
ACP660B	AMHRECORD	SYS070C	Business Vault
ACP660B	UPDPAYABLE	SYS070C	Business Vault
ACP700D4	AMHRECORD	SYS070C	Business Vault

Program	Exit point	Call Program	Integration
ACP700D4	UPDPAYABLE	SYS070C	Business Vault
ACP700D5	AMHRECORD	SYS070C	Business Vault
ACP700D5	UPDPAYABLE	SYS070C	Business Vault
ACP710D	AMHRECORD	SYS070C	Business Vault
ACP900B	AMHRECORD	SYS070C	Business Vault
ACP900B	APHRECORD	SYS070C	Business Vault
ACR100D2	EXIT01	SYS070C	Business Vault CRM WMS
ACR101B	EXIT01	SYS070C	Business Vault CRM
ACR110D2	EXIT01	SYS070C	Business Vault CRM
ACR120D2	EXIT01	SYS070C	Business Vault
ACR121B	EXIT01	SYS070C	Business Vault
ACR170D2	EXIT01	SYS070C	Business Vault CRM
ACR300DB	RARRECORD	SYS070C	Business Vault CRM
ACR500B4	EXIT01	SYS070C	Business Vault CRM
ACR510D	RARRECORD	SYS070C	Business Vault CRM
API150D2	EXIT01	SYS070C	Business Vault
AVP733B	EXIT01	SYS070C	Business Vault
BIL540B	EXIT01	SYS070C	Business Vault CRM
BIL540B	EXIT02	SYS070C	Business Vault
BOM500D2	MBMRECORD	SYS070C	Business Vault
BOM500D3	MBMRECORD	SYS070C	Business Vault
BOM500D4	MBMRECORD	SYS070C	Business Vault
BOM610B	MBMRECORD	SYS070C	Business Vault
BOM616B	EXIT01	SYS070C	Business Vault

Program	Exit point	Call Program	Integration
BOM618B	FRTRECORD	SYS070C	Business Vault
BOM621B	MBMRECORD	SYS070C	Business Vault
BOM900B2	MBMRECORD	SYS070C	
BOM900B2	MBMREORG	SYS070C	Business Vault
CDM140D2	EXIT01	SYS070C	Business Vault CRM
CEA100D2	EXIT01	SYS070C	Business Vault
CEA100D3	EXIT01	SYS070C	Business Vault
CEA101D1	EXIT01	SYS070C	Business Vault
CEA101D2	EXIT01	SYS070C	Business Vault
CEA102D2	EXIT01	SYS070C	Business Vault
CEA105D2	EXIT01	SYS070C	Business Vault
CEA105D2	EXIT02	SYS070C	Business Vault
CEA105D3	EXIT01	SYS070C	Business Vault
CEA971B	EXIT01	SYS070C	Business Vault
CFG601B	FRTRECORD	SYS070C	Business Vault
CFG640B	MBMRECORD	SYS070C	Business Vault
CFG640B	FRTRECORD	SYS070C	Business Vault
CFG642B	EXIT01	SYS070C	Business Vault
CFG642B	FRTRECORD	SYS070C	Business Vault
CLD135D2	EXIT01	SYS070C	Business Vault
CST100D	EXIT02	SYS070C	Business Vault EAM CRM
CST500B	EXIT01	SYS070C	
CST500B	EXIT02	SYS070C	Business Vault EAM CRM
CST600B	EXIT01	SYS070C	
CST600B	EXIT02	SYS070C	Business Vault EAM CRM

Program	Exit point	Call Program	Integration
CST902B	EXIT01	SYS070C	Business Vault EAM CRM
DRP550D	EXIT01	SYS070C	Business Vault Supplier Exchange
FAS510B	EXIT02	SYS070C	Business Vault
FAS510B	EXIT03	SYS070C	Business Vault
FXA100D	EXIT01	SYS070C	Business Vault
GHH01V	EXIT02	SYS070C	Business Vault
GHH01VG	EXIT02	SYS070C	Business Vault
INV110D2	INV0002	SYS070C	Business Vault CRM
INV111D2	EXIT01	SYS070C	Business Vault
INV113B	EXIT01	SYS070C	Business Vault
INV130D2	INV0002	SYS070C	Business Vault
INV140D2	INV0001	SYS070C	Business Vault
INV160D2	INV0001	SYS070C	Business Vault
INV161B	EXIT01	SYS070C	Business Vault
INV170D2	EXIT01	SYS070C	Business Vault
INV171D2	INV0001	SYS070C	Business Vault
INV500B1	EXIT02	SYS070C	Business Vault
INV500B1	EXITGEN	SYS070C	Business Vault Supplier Exchange
INV500B1	PORECEIPTS	SYS070C	Business Vault EAM Supplier Exchange
INV500B1	POUPDATE	SYS070C	Business Vault EAM Supplier Exchange
INV510D	EXIT01	SYS070C	Business Vault
INV510D	INV0002	SYS070C	Business Vault Supplier Exchange
INV511D	EXIT01	SYS070C	Business Vault

Program	Exit point	Call Program	Integration
INV511D	INV0002	SYS070C	Business Vault Supplier Exchange
INV515D	INV0001	SYS070C	Business Vault Supplier Exchange
INV650B	EXIT01	SYS070C	Business Vault
INV650B	EXIT02	SYS070C	Business Vault Supplier Exchange
INV650B	EXIT03	SYS070C	Business Vault
JIT500B	EXITGEN	SYS070C	Business Vault Supplier Exchange
JIT560B	EXIT01	SYS070C	Business Vault
JIT620B	EXIT01	SYS070C	Business Vault
MRP140D2	EXIT01	SYS070C	Business Vault EAM CRM
MRP640	EXIT01	SYS070C	Business Vault
MRP640	WRITEFSO	SYS070C	Business Vault
MRP644B	WRITEFSO	SYS070C	Business Vault
OLM100D	EXIT01	SYS070C	Business Vault
OLM110D	EXIT01	SYS070C	Business Vault
OLM115D	EXIT01	SYS070C	Business Vault
OLM116B	EXIT01	SYS070C	Business Vault
OLM125D	EXIT01	SYS070C	Business Vault
OLM195D	EXIT01	SYS070C	Business Vault
ORD100D2	EXIT01	SYS070C	Business Vault CRM WMS
ORD101B	EXIT01	SYS070C	Business Vault CRM
ORD400B	EXIT01	SYS070C	Business Vault WMS
ORD559B	PCKRELUPD	SYS070C	Business Vault WMS CRM

Program	Exit point	Call Program	Integration
ORD570B	EXIT02	SYS070C	Business Vault Supplier Exchange
ORD570B	GWB0001	SYS070C	Business Vault WMS
ORD570B	SLSORDUPD	SYS070C	Business Vault CRM
ORD577B	EXIT01	SYS070C	Business Vault Supplier Exchange
ORD580D1	EXIT01	SYS070C	Business Vault WMS CRM
ORD580D2	EXIT01	SYS070C	Business Vault WMS CRM
ORD580D4	EXIT01	SYS070C	Business Vault WMS CRM
ORD582D1	EXIT01	SYS070C	Business Vault WMS CRM
ORD582D2	EXIT01	SYS070C	Business Vault WMS CRM
ORD680B	EXIT01	SYS070C	Business Vault WMS CRM
ORD701B	SLSORDUPD	SYS070C	Business Vault CRM
ORD701B	WMPCKDLINE	SYS070C	Business Vault WMS
ORD701B	ORD0001	ORD957B1	All
ORD701B	ORD0002	ORD957B1	All
ORD720D2	EXIT01	SYS070C	Business Vault WMS CRM
ORD765B	EXIT01	SYS070C	Business Vault CRM

Program	Exit point	Call Program	Integration
ORD904B	EXIT01	SYS070C	Business Vault CRM
ORD930B	EXIT01	SYO070C	Business Vault CRM
PRF922B	EXIT01	SYS070C	Business Vault
PRF922B	EXIT02	SYS070C	Business Vault
PRF922B	EXIT03	SYS070C	Business Vault
PRO530B	EXIT01	SYS070C	Business Vault WMS
PUR100D2	SUPPUPDATE	SYS070C	Business Vault WMS EAM
PUR150D2	EXIT01	SYS070C	Business Vault
PUR151D	EXIT01	SYS070C	Business Vault
PUR152D	CONTUPDATE	SYS070C	Business Vault
PUR152D	EXIT01	SYS070C	Business Vault
PUR156B	CONTUPDATE	SYS070C	Business Vault
PUR180	COMMUPDATE	SYS070C	Business Vault EAM CRM
PUR485B	EXIT01	SYS070C	Business Vault
PUR500B	EXIT01	SYS070C	Business Vault WMS EAM Supplier Exchange
PUR500B	RQDELETE	SYS070C	Business Vault
PUR500B	WRITEHPO	SYS070C	Business Vault
PUR530	EXIT01	SYS070C	Business Vault WMS EAM Supplier Exchange
PUR550D2	EXIT03	SYS070C	Business Vault
PUR550D2	OUTSIDEOP	SYS070C	Business Vault

Program	Exit point	Call Program	Integration
PUR550D2	PORECEIPTS	SYS070C	Business Vault EAM Supplier Exchange
PUR550D2	POSERVCONS	SYS070C	Business Vault
PUR550D2	POUPDATE	SYS070C	Business Vault EAM Supplier Exchange
PUR550D4	PORECEIPTS	SYS070C	Business Vault Supplier Exchange
PUR556B	EXIT01	SYS070C	Business Vault
PUR640B1	EXIT01	SYS070C	Business Vault WMS EAM Supplier Exchange
PUR640B1	RQDELETE	SYS070C	Business Vault
PUR650B	EXIT01	SYS070C	Business Vault WMS
PUR650B	POUPDATE	SYS070C	Business Vault WMS Supplier Exchange
PUR765B	EXIT01	SYS070C	Business Vault EAM Supplier Exchange
PUR770B	EXIT01	SYS070C	Business Vault WMS
PUR905B	EXIT01	SYS070C	Business Vault EAM Supplier Exchange
QMS174D2	EXIT01	SYS070C	Business Vault EAM CRM
QMS174D3	EXIT01	SYS070C	Business Vault EAM CRM
QMS590D4	EXIT01	SYS070C	Business Vault
QMS590D4	EXIT02	SYS070C	Business Vault
RMS500D2	EXIT01	SYS070C	Business Vault

Program	Exit point	Call Program	Integration
RMS500D4	EXIT01	SYS070C	Business Vault
RMS530B	EXIT01	SYS070C	Business Vault
RMS550B4	EXIT01	SYS070C	Business Vault
RMS770B1	EXIT01	SYS070C	Business Vault
RMS775B1	CONTUPD	SYS070C	Business Vault
SAL100D2	EXIT01	SYS070C	Business Vault CRM
SFC100D2	FRTRECORD	SYS070C	Business Vault
SFC500D2	EXIT01	SYS070C	Business Vault
SFC500D2	EXIT02	SYS070C	Business Vault
SFC500D2	EXIT03	SYS070C	Business Vault
SFC500D2	WRITEFSO	SYS070C	Business Vault
SFC500D3	EXIT01	SYS070C	Business Vault
SFC500D3	EXIT02	SYS070C	Business Vault
SFC525B	EXIT03	SYS070C	Business Vault
SFC530B	EXIT01	SYS070C	Business Vault
SFC532B	EXIT01	SYS070C	Business Vault
SFC532B	WRITEFSO	SYS070C	Business Vault
SFC550B	EXIT01	SYS070C	Business Vault
SFC550B	WRITEFSO	SYS070C	Business Vault
SFC580D	EXIT02	SYS070C	WMS
SFC580D	EXIT03	SYS070C	Business Vault
SFC581B	EXIT03	SYS070C	Business Vault
SFC581D	EXIT01	SYS070C	WMS
SFC581D	EXIT02	SYS070C	WMS
SFC582D	EXIT01	SYS070C	WMS
SFC651B	EXIT01	SYS070C	Business Vault
SFC653B	EXITGEN	SYS070C	Business Vault Supplier Exchange
SFC720D2	EXIT01	SYS070C	Business Vault
SFC734B	EXIT01	SYS070C	Business Vault

Program	Exit point	Call Program	Integration
SFC900B	EXIT01	SYS070C	Business Vault
SFC900B	EXIT02	SYS070C	Business Vault
SFC900B	EXIT03	SYS070C	Business Vault
SYS070BF	DOCUSAGE	SYS070C	Business Vault
SYS070BF	FRTTRMNONE	SYS070C	Business Vault
SYS070BF	ITEMTYPES	SYS070C	Business Vault
SYS070BF	ONHOLD	SYS070C	Business Vault
SYS070BF	PLANMETH	SYS070C	Business Vault
SYS070BF	PRIORITY	SYS070C	Business Vault
SYS070BF	REJSHRTSHP	SYS070C	Business Vault
SYS070BF	UNITPRIC	SYS070C	Business Vault
SYS070BF	WHSETYPE	SYS070C	Business Vault
SYS070BF	ZCCUNITMEA	SYS070C	Business Vault
SYS070BQ	JE	SYS070C	Business Vault
SYS107D2	EXIT01	SYS070C	Business Vault
SYS140D2	EXIT01	SYS070C	Business Vault
SYS190D2	EXIT01	SYS070C	Business Vault
SYS600D2	EXIT01	SYS070C	Business Vault Infor OS Portal or Ming.le / IFS
SYS600D2	EXIT02	SYS070C	Business Vault Infor OS Portal or Ming.le / IFS
SYS602D	EXIT01	SYS070C	Business Vault Infor OS Portal or Ming.le / IFS
SYS830D	EXIT01	SYS070C	Business Vault
SYS954B	EXIT01	SYS070C	Business Vault EAM CRM
TFM514B	AMHRECORD	SYS070C	Business Vault
WHM510D3	POUPDATE	SYS070C	Business Vault
WHM600B	EXITGEN	SYS070C	Business Vault Supplier Exchange

Note: Exit point ACP540B2/INVOICE is obsolete for standard messaging. If you activated this exit point for standard messaging, deactivate it. If you require this exit point for custom messaging, no change is required.

Exit point BOM900B2/MBMRECORD continues to remain available, but unless a specific reason is needed, it is recommended to inactivate BOM900B2/MBMRECORD and in its place activate more efficient exit point BOM900B2/MBMREORG.

Exit point CST500B/EXIT01 continues to remain available, but unless a specific reason is needed, it is recommended to inactivate CST500B/EXIT01 and in its place activate more efficient exit point CST500B/EXIT02.

Exit point CST600B/EXIT01 continues to remain available, but unless a specific reason is needed, it is recommended to inactivate CST600B/EXIT01 and in its place activate more efficient exit point CST600B/EXIT02.

Activating file triggers

If you are upgrading from an earlier version of the LX Extension, you are not required to repeat this setup step.

The LX generic database trigger process must be enabled for certain database files to generate BOD messages. This process requires that the trigger broker program SYS638B has been added for each trigger event. Use Trigger Interface Selection, SYS637D1, to activate the ZLX records listed below before you perform initial data load or before you try to send a BOD message

Note: Specify one active record for each file, trigger event, and call program combination. Do not create duplicate records.

This table lists the triggers that must be activated and the integrations that use them.

Triggered file	Trigger time	Trigger events	Call Program	Integration
CARDO	After	Insert, Update	CARDOT01	Business Vault
ECL	Before	Update	ORDECLT01	WMS
IIM	After	Insert, Delete, Update	INVIIMT02	Business Vault WMS EAM CRM
ILI	After	Insert, Update	INVILIT01	WMS
ITH	After	Insert	INVITHT01	WMS

This table lists the fields in the item master file that, if updated, trigger a message:

File Field	Description
IIM.ABC	ABC code

File Field	Description
IIM.IBUYC	Planner Code
IIM.ICLAS	Item class
IIM.ICLNG	Shelf life
IIM.IDESC	Item description
IIM.IDRAW	Drawing Number
IIM.IDSCE	Extra item description
IIM.IID	Record ID (activate or deactivate)
IIM.IITYP	Item type
IIM.ILEAD	Lead Time Days
IIM.ILOTS	Lot Size/Reorder Point
IIM.IMBDY	Minimum Balance Days
IIM.IMBOXQ	Standard box size
IIM.IMCCTL	Container level inventory flag
IIM.IMCNSL	Control number schedule level
IIM.IMFLPC	Flashpoint Celsius
IIM.IMFLPF	Flashpoint Fahrenheit
IIM.IMHZRD	Item hazard code
IIM.IMHIGH	Item Height
IIM.IMHUOM	Height Unit of Measure
IIM.IMIN	Minimum Balance
IIM.IMLEAN	Lean item flag
IIM.IMLONG	Item Length
IIM.IMLTTZ	Serialization flag
IIM.IMLUOM	Length Unit of Measure
IIM.IMMFMD	Manufacturing mode
IIM.IMMIBQ	Must issue box quantities
IIM.IMNNWU	Item Net Net Weight/Stk UOM
IIM.IMPKGI	Packaging Indicator
IIM.IMPLC	Product lifecycle code
IIM.IMQDY	Days in Quarantine

File Field	Description
IIM.IMSCWI	DWM type
IIM.IMSUM	Stocked in theoretical UOM
IIM.IMTCCD	Rate/Tariff Class
IIM.IMUMA	Alternate Physical/Theoretical UM
IIM.IMUPC	UPC code
IIM.IMVUOM	Volume Unit of Measure
IIM.IMWDUM	Width Unit of Measure
IIM.IMWIDE	Item Width
IIM.IMWTUM	Weight Unit of Measure
IIM.IORDP	Order Policy Code
IIM.IPROD	Item number
IIM.IPURC	Buyer Code
IIM.IUMS	Stocking unit of measure
IIM.IVEN2	Secondary Vendor Number
IIM.IVEND	Primary Vendor Number
IIM.IVULI	Item Volume
IIM.IWGHT	Weight per Unit of Measure
IIM.SAFLG	Lot control flag

Verifying that the trigger process is enabled

To verify that the process is enabled for the IIM file, access a command line while in the LX environment. Type this command:

```
DSPFD FILE(IIM) TYPE(*TRG)
```

Verify that the generic trigger broker program SYS638B has been added for all three Trigger Events:

```
*INSERT, *UPDATE, *DELETE.
```

Perform the same verification against the CARDO, ECL, ILI and ITH files for their listed Trigger Events.

Adding the generic trigger broker program

If the generic trigger broker program has not been added to IIM, execute CL program ADDTR73371. ADDTR73371 was delivered with the LX 8.3.5 release image.

To add the broker program to these files:

1 Access a command line while in the LX environment.

2 Add library DBUPD835 to your library list.

3 Specify this command:

```
Call ADDTR73371
```

```
If the generic trigger broker program has not been added to the CARDO
file, execute CL program ADDTR74861 which was delivered with MR 74861.
Repeat Steps 1-3 but substitute library DBUPD834.
```

Enabling BOD generation from EGLi

Perform the following steps to enable generation of BODs from EGLi transactions. Also see the *Infor LX Integration Guide for Enterprise General Ledger for IBM i*.

1 Access IDF (Power-Link or Net-Link) and open menu Environment.

2 Launch business object "System-Link Destinations".

a Create a destination, specifying a name that you will remember and the following parameters.

(1) Type = Infor On-Ramp

(2) ESB Process Logical ID = lid://default

(3) Tenant = (the tenant value that you previously specified for this LX environment, typically infor)

(4) Click Continue and all of the necessary Transformations will be automatically added to this destination.

b Edit the newly created destination.

(1) Open details of each request (and related stylesheet) on the Transformations tab, and click Maintain > System-Link Request options > Change

(a) Check both boxes “Log request” and “Log response”

(b) Fill values for Number of log hours, Log start and Log end, as appropriate

(c) Click Update and then return to the newly created destination’s Transformations tab

(2) For each request (and related stylesheet) on the Transformations tab, click the Activate icon.

3 Launch business object "Object Settings".

a For each business object for which transactions or maintenance should generate BODs, change the "Default replication destination" to the destination created in the previous step.

Exporting LX configuration data

Complete these tasks to export configuration data from LX to SiM.

SiM and SiW retain lists of LX environments, the menus that are available within each environment, and the users authorized to each menu in each environment. To create these lists, export environments, menus, and users from your LX environments to SiM and SiW.

Caution: Menu options beyond option number 99 are not supported in SiM and SiW, therefore, any menu options in LX beyond option number 99 are not exported.

After you complete the installation of all required software, including the MRs, export the LX environment configuration. The export program SiW Configuration Export Selection (SYS075D1) sends this information for the LX environment control library:

- Environment code – This code is retrieved from the WEB_ENV file in the LX license library SSAGTLIC83 that is used by WebTop.
- Application release – This value refers to the LX version as defined in the SYSRLSMOD data area.
- Library list – The library list is retrieved from the INLIBL data area.
- Company – The value 00 is exported to represent all LX companies.
- Menu objects – The menu objects for the System ID and version, as defined in the ZXO file, are exported.
    - Task code from the ZXX extension file becomes the SiM/SiW task code. Infor reserves task codes 0001 through 4999. Task codes 5000 through 9999 are available for custom programs available as menu options.
    - Flag “Display in SiW Emulator” from the ZXX extension file determines the task type in SiM/SiW. Value ‘1’ becomes task type ‘A’. Value ‘0’ becomes task type ‘8’.
- Menus – The menus and menu descriptions, as defined in the ZMM and ZMO files, are retrieved and exported.
- Users – Users and user authorities, as defined in the ZXU and ZMA files, are retrieved and exported.

You must export the environment, application, library list, and company. This data is exported each time that you run the export program.

Caution: The first time that you run the export, we recommend that you export all data, without subsets, and that you select menu objects, menus, and users to run all the jobs. Run the job interactively so that the jobs are processed in the correct sequence. Submit the jobs to batch if the LX job queue is single-threaded so that one job is run at a time.

Preparing for the export

Complete these tasks before you run the export job:

1. Manually insert the name of the SiM program manager library into your INLIBL data area and the initial library list portion of the standard LX job descriptions. Insert the default name AULAMP3 or your own value. If you have the LX tools library, then you can use the UPDUSRLIB command to simplify updating your INLIBL data area and the initial library list portion of the standard LX job descriptions.
2. If you use SOCC (note: SOCC not supported in a cloud environment) define the system parameters for WebTop Host and WebTop Port:
   a. Access SYS800D.
   b. Open Integration System Parameters, SYS830D.
   c. On the SYS830D-01 screen, specify the values for WebTop Host and WebTop Port.
3. If you run LX in multiple languages make sure that Outbound LX Language Code Values are set and that they match SiW Locales:
   a. Access SYS127D.
   b. On the SYS127D1-01 screen, use Action Code 12 to access ZLA file Outbound LX Values.
   c. For each supported language, use Action Code 5 to display values or 2 to edit. Verify that the Outbound LX Values are cross-referenced to BOD values that match the SiW locales (as defined using the wsconfig.html or admin.html tool on its Locales tab). For example, if the language code in the ZLA file for U.S. English is ENU, it should be cross-referenced to en-US using SYS127D1 and an SiW locale should be created with Language Code=en and Country Code=US.
4. If the export from LX to SiM was previously executed before MR 77452 was available and MR 77452 is now installed, then perform the following steps before continuing with Running the export:
   a. Sign on with a user profile that is authorized to SiM.
   b. Access SiM Application Manager by issuing STRIPGAM command.
   c. Use Option 2 to maintain applications.
   d. Specify the application (LX environment) that is being upgraded.
   e. Use **F11** to delete it.

Running the export

To export the environment configuration data:

1. Log on to the System i with a user ID that has supplemental group authority AULSECOFR and authority to program SYS075.
2. Access SiW Configuration Export Selection, SYS075D1.

3 The Environment entity is selected and you cannot deselect it. The environment information is exported every time that you run the program. Export the menu objects, menus, and users in the sequence listed on the screen. The first time that you run the export, we recommend that you export all data; do not subset.
Menu Objects/Programs = Specify 11 to export menu objects. If you do not subset the selection, all records that represent programs available to appear on a menu are exported. These records are in the ZXO and ZXX files.
Menus = Specify 11 to export menus and menu options. If you do not subset the selection, all records in the ZMM and ZMO files are exported.
Users = Specify 11=Select to export users and user authorizations. If you do not subset the selection, all records in the ZXU and ZMA files are exported.

   Note: Export of menus allows optionally pre-deleting from SiM all menu options for a menu being exported. Because the export finds matching menu options in SiM for update or missing menu options in SiM for addition, based on previous export, any menu options that were deleted in LX may become orphans (leftovers) in SiM because they are gone from LX and unavailable for passing to SiM as options currently on the menu in LX. In this situation, the option to start by deleting from SiM all menu options for a menu being exported (pre-delete), ensures that the export of the menu will add (in SiM) all of the current options, without any orphans.

   Note: Any time you export a menu, including all of its options, you must re-export all users authorized to any option on that menu, so that SiM can properly re-establish the user's authorization to the menu options.

4 Specify 1 in the Subset field to enter a range of records. The first time that you run the export, do not subset your selections.

5 After you make your selections, press F16=Run Interactive or F18=Run in Batch. If you are sub-setting your selections the job does not run until you accept the subset requirements.

6 To subset menu objects, specify a range of menu objects on the SYS075D1-07 screen.

7 Press **F6** to submit the job. If F16 was pressed on SYS075D1-01, the menu objects are exported to SiM interactively. If F18 was pressed on SYS075D1-01, a batch job is submitted for exporting menu objects to SiM.

8 To subset menus, specify a range of menus on the SYS075D1-08 screen.

9 Press **F6** to submit the job. If F16 was pressed on SYS075D1-01, the menus and menu options are exported to SiM interactively. If F18 was pressed on SYS075D1-01, a batch job is submitted for exporting menus and menu options to SiM.

10 To subset users, specify a range of users on the SYS075D1-09 screen.

11 Press **F6** to submit the job. If F16 was pressed on SYS075D1-01, the users and user authorizations are exported to SiM interactively. If F18 was pressed on SYS075D1-01, a batch job is submitted for exporting users and user authorizations to SiM.

12 After running the initial export, future changes to user authorizations can be automatically exported to SiM from security maintenance transactions in SYS600.

Exporting IDF configuration data

Set up and configure the IDF Net-Link user interface within SiW. Integrating Net-Link and SiW includes these steps:

- Review the use of environment codes
- Export metadata, that is, tasks, menus, and users from IDF to SiM
- Check that the data is available in SiM
- Upload the data from SiM to SiW

Environment codes

IDF uses two-character environment codes in which the two characters signify the programs and files libraries of the environment. For example, environment code XY signifies that the programs library is AMALIBX and the files library is AMFLIBY.

SiW uses the three-character WebTop environment code from the WEB_ENV file in the LX license library SSAGTLIC83.

Note: If multiple environments of LX 8.3.5 are installed on an IBM i, the WEB_ENV file in the LX license library SSAGTLIC83 will contain one record for each LX 8.3.5 environment, but the three-character WebTop environment codes must be unique. If any environments of LX 8.4.x are installed on the same IBM i, the WEB_ENV file in the LX license library INFORLIC84 will contain one record for each LX 8.4.x environment, but the three-character WebTop environment codes must be unique. Any one three-character WebTop environment code may not exist in both the SSAGTLIC83/WEB_ENV and INFORLIC84/WEB_ENV files.

Export public metadata from IDF to SiM/SiW

Metadata is data that describes data. The IDF metadata is the data that describes the objects available in IDF and how they are arranged into card files and cards. The SiM/SiW metadata describes the tasks available in SiM/SiW and how the tasks are grouped into menus.

The two interfaces use different terminology and different styles for presenting the application processes available to a user. The export process maps the IDF metadata to SiM/SiW.

Use (Power-Link or Net-Link) to invoke the export process.

This job exports the metadata for public card files and cards and the objects that they use. The job ignores any private card files, as well as cards for the user who runs the job. It includes user-defined card files, cards, and objects if they are public.

To export private card files and cards as well as public ones, it is not necessary to run this job. The export private metadata job includes the public card files and cards. It is safe to rerun this job if card files or cards have been added or changes have been made to them. You should include users when rerunning or menu authority may be lost.

As well as exporting tasks and menus to represent the IDF card files, cards, and objects; this job also exports definitions for the environment, applications, library lists, companies, and users.

1 Log on to Power-Link with a user ID that has supplemental group authority AULSECOFR on the System i.

2 Click the **Integrator** tab and open the **Business Objects** object or click the **Environment** tab and open the **User Profiles** object.

3 Select **File > Host Jobs**. Do not select the **Export …** option.

4 On the **Host Jobs** window, select the **Export public metadata to Workspace** tab.

5 Select the **Execute** check box.

6 Specify this information:

Description = Specify a description of the export job.
Top level menu and menu name prefix = Type IDF. All the generated SiW menu codes will start with this prefix. The prefix will also be used as the code of a top-level menu that can access all of the other generated menus.
Top level menu description = Type IDF.

Selecting Yes or No options

7 To specify options for exporting the metadata:

a Click **Yes** for the **Include Users** option

If you do not include users, you will need to run the export again later and include the users or create them manually in System i Manager. If the export may export new menus or menu options then you should select Yes to include users. Otherwise, authority to the menus and options will not be set in System i Workspace.

If running the export for additional languages and no users have been created or changed, select No.

b Click **No** for the **Set User Attributes** option

This controls whether the user export will overwrite attributes of existing users. If it is set to No, the export will ensure that the user exists but if it does then it will not be changed. If it is set to Yes then the export will overwrite some parameters such as the initial menu. If the user does not exist, it will be created and its attributes set regardless of this option. If you have already exported LX menus using SYS075, each user should have ERPLX as their initial menu and setting this option to Yes would overwrite each user to have IDF as their initial menu, thus losing access to all of the WebTop program menu options.

c Click **Yes** for the **Replace** menus option

Click **Yes** to replace and delete any previous version of the menu and a new version will be exported. Not replacing means that any existing version will be updated and added to but obsolete options will not be removed. The choice is only important if some options need to be removed. Options may need to be removed if you have removed objects from cards in IDF or removed some cards from tabbed cards or card files. If some of these removals have occurred, you should select replace menus or the options might remain on the menus in System i Manager. If you are using translations, you will need to re-export them.

d Specify a language.

You may choose to export translated card file, card, and object descriptions to System i Workspace. A maximum of five languages may be exported in one run. If you need more than this, you may run the export again with additional languages. If you are running the export again to add languages, you must specify No for the Replace menus option or the previous translations will be lost.

8 Click **Submit**.

Although presented as a host job, this job runs immediately on the client. As a result, it may take a few minutes to respond. Exactly how long will depend on how many objects, card files, cards, and users you have as well the speed of your connection to the IBMi.

Adjusting the metadata in SiM

The exported tasks should not require modification except possibly for changes to the descriptions. Note that if you change the descriptions, the next job to export tasks will overwrite your changes. Use SiM tools to make the changes to tasks.

You can modify the exported menus but, again, any changes may be lost if the menus were exported again. You can create new menus using exported options. These menus could be based on existing menus or new menus can be created.

Uploading configuration data to SiW

After you run the jobs to export the LX and the IDF tasks, menus, and users to SiM, upload the data from SiM to SiW. If Automatic Refresh Interval is set, after the specified number of minutes, data from SiM (exclusive of newly defined users) is uploaded to SiW. If Scheduled Full refresh is set, on the specified day (or daily) at the specified time, data from SiM (inclusive of newly defined users) is uploaded to SiW. To perform the upload manually at any time, use the amconfig utility if using SiW 2015, or use the admin utility > Application Manager, if using SiW Anywhere. See the SiW documentation for information about the appropriate utility for the installed version of SiW.

Note: to access wsconfig.html (for SiW 2015) or admin.html (for SiW AnyWhere) in a cloud environment, first access LX within Infor OS Portal or Ming.le, then open a new tab in that same browser and execute the SiW URL in that new tab.

Testing

Test both the WebTop menus and screens and the IDF menus and screens.

If you used the Set Initial Menu option when exporting users then you should be able to use one of the exported users for testing. If you did not use this option then go to user maintenance and ensure that your test user can access the top-level menu or one of the other exported menus.

Ensure that your SiW cache has been updated because the tasks, menus, and users were exported.

Ensure that the IDF environment and the Net-Link processes are started. Log on to SiW to see the IDF menus.

Chapter 9 Configuring your application to send and receive BODs in ION

This section describes how to configure your application to communicate with ION. Integrations between this application and other applications use ION to send and receive BODs. For details about a specific integration, see the appropriate integration guide.

Installing and configuring LX Extension

You must install and configure LX Extension, which includes these components:

- LX Adapter: Java application that enables the exchange of messages between LX and the various systems that use ION. See Using the LX Adapter on page 195.
- Process Instructions: XML files that contain instructions to process inbound messages into LX or to formulate outbound messages to send to Infor ION and APIs to execute the process instructions.
- LX connection point template: A list of all BOD messages (verb-noun combinations) that an individual component, such as LX, can send or receive. As part of configuring a data flow, a user can select two connection points and BOD messages will be added to the data flow if they are sent by one of the selected connection points and received by the other. Any BOD messages where one connection point can send, but the other connection point is not capable of receiving, will not be added to the data flow.
- Solution documents for LX integrations: Each supported integration of LX with another product has a solution document template that can be imported into ION to control the flow of documents between LX and the other product. See the specific integration guide for more information on the solution document for that integration.
- LX Web Services: A set of programs by which selected LX functionality can be accessed synchronously from outside of LX. See LX Web Services on page 110.

Preparing for installation of the LX Extension

If you have previously installed the LX Adapter and process instruction components of LX Extension, complete these tasks before you begin the installation.

Note: LX Extension 3.x only works with LX 8.4.x and LX Extension 2.x only works with LX 8.3.x meaning that LX Extension 2.x will continue to control BODs flowing into and out of LX 8.3.x, while LX Extension 3.x will control BODs flowing into and out of LX 8.4.x.

Backing up files

If you have an existing version of the LX Adapter or process instructions, back up or rename the IFS folder where they reside to avoid overwriting the existing files.

Deactivating ION data flows during the installation

To ensure that no locks exist on files or journals, deactivate any data flows that use the connection point for the LX Extension environment that you are updating.

After the installation is finished, reactivate the data flows.

Alternatively, you can stop the ION service and the LX Adapter during the LX Extension installation. See Ending daemon processes on page 206.

Deleting journaled objects

If you are reinstalling the LX Extension or if you are upgrading from an earlier version, verify the COR_JRN journal does not have any unexpected objects journaled to it.

COR_JRN should only exist in the LX files library if the LX Extension was previously installed. If it does not exist, no further action is required. If COR_JRN is present, verify no additional objects are journaled to it:

9 To list journaled objects, specify this command:
WRKJRNA JRN(ERP LX Files Library/Journal Name)
Replace ERP LX Files Library with the name of your LX files library.
Replace Journal Name with COR_JRN.

10 Press **F19** and select option 30 to display all journaled objects.

The COR_JRN journal includes these objects and all should be in the same library as the COR_JRN journal:

- CORINENT
- CORINHDR
- COROUTENT
- COROUTHDR

- CORPROP
- ESBINDUP
- LXEBCHENT

If there are any other objects listed, use the ENDJRNPF command to end journaling.

Installing LX Extension

If a previous version of LX Extension was used to publish BODs, check MR 78550 and 79041 documentation to see if you need to execute their fix programs on your LX data prior to installation of this new version of LX Extension.

Run the LX Extension installation on a PC that is capable of connecting to the IBM i on which LX is installed.

1. The original version of LX Extension 2.3 is available through MR 80276. Any subsequent MR including LX Extension 2.3 will include the most recent version of the complete LX Extension with all patches. After you obtain the LX Extension, click the Setup.exe file to run the installation program.
2. Read the instructions and click **Next**.
3. Read the copyright information and click **Next**.
4. If installing LX Extension 2.3 (beginning with patch 2) which includes an XID File Update Alert, read the screen and then check box “I have read this screen”. If you have an integration using the Shipment BOD for type 5 warehouses, also check box “I have an integration using Shipment BOD and type 5 warehouses”. See KB2213687 and XID File on page 211. With the proper boxes checked, click **Next**.
5. To install and use the ION integration, specify a Complete install and select all of the components:
   a. Infor LX Adapter
   b. Infor LX Web Services
   c. Infor LX Process Instructions
6. Click **Next**.
7. Provide the included information to log in to the IBM i:
   System Name = Specify the system name for the IBM i on which you are installing the LX Adapter component, for example, mysystemi.
   User ID = Specify a User ID with *ALLOBJ and SSA group authority. The user ID and password are used for this installation and are stored in the installer.properties file (with the password encrypted). If any LX libraries are deployed in an IASP, the job description for the user profile must have the IASP name entered in the initial ASP group of the job description.
   Password = Specify the password for the User ID.
   Known Issue: On systems where mixed case passwords are supported (QPWDLVL 2 or 3) the user running the install must have an all uppercase password for the install to succeed.

8 Click **Next**.

9 Specify the name given to the environment control library that was configured during LX installation. This instance of LX is used to process data to and from LX.

10 Click **Next**. The LX component logical ID (lid) is derived from your entries for host name and environment control library. The component ID consists of two parts:
Part 1 must be lid://infor.lx.
Part 2 consists of the IBM i host name-ECLibrary.
The parts are separated by periods. Example: lid://infor.lx.mysystemi-erplxec. The component ID is in all lower case and does not use embedded blank spaces. When you configure ION, use this same value to create the LX component. The periods in the fully qualified host name are converted to underscores by the installer because ION does not allow additional periods in the component ID. Do not edit this value unless you entered a fully qualified host name and want to remove the full qualification of the host name from the component ID, for example, mysystemi_infor_com. Delete _infor_com.

11 Click **Next**.

12 Specify the destination folder on the PC from which you are installing LX Extension. If you do not specify a directory, the installation creates the c:\Program Files\LX_EXTENSION_2.3_mysystemi-erplxec folder.

13 Click **Next**.

14 Specify a location for product documentation icons that is on the PC from which you are installing LX Extension.

15 Click **Next**.

16 Specify the destination IFS directory on the IBM i into which to install LX Extension components. If you do not specify a directory, the installation creates the \LXEXTENSION_mysystemi-erplxec folder.
If the IFS folder is to be deployed to an IASP, manually add the IASP name to the folder path. For example: \iasp-name\LXEXTENSION_mysystemi-erplxec

17 Click **Next**.

18 Specify configuration information required to start daemon processes for the LX Adapter. Specify this configuration information:
Outbound Daemon Port Number = Specify the listening port that receives outbound messages from LX and sends them to ION.
Inbound Listener Port Number = Specify the listening port that receives inbound messages from ION.
Multi-threaded Job Queue Name = Specify the name of a multi-threaded job queue for running the daemon jobs.
Job Queue Library = Specify the library in which the multi-threaded job queue resides.
See Subsystem Instructions on page 191.

19 Click **Next**.

20 Specify this information to connect to the LX database.
ERP LX Database Files Library = Specify the name of your LX files library if it is different from the default. The SAFE_BOX and I/O tables are installed to this library.

WebTop Socket Server Port Number = Specify the port number that is used by WebTop to connect to LX. This port is started with the STRSSRV command.

21 Click **Next**.

22 Specify the LX login information that is required to connect with the LX database. The User ID must be valid in SYS600. The LX Extension uses this stored login information for all future connections with the IBM i. We recommend that this user ID be defined as an LX security officer with all product authority. Remembered keys must be disabled in LX for this user profile. If any LX libraries are deployed in an IASP, the job description for the user profile must have the IASP name entered in the initial ASP group of the job description. The region associated with this user must specify a period as the decimal separator and must specify YMD as the date format. This user also needs at least *CHANGE and *OBJMGT authority to any user profiles used as the group profile or as supplemental group profiles on the template user (specified in SYS802) that will be copied for creation of new user profiles in reaction to receiving inbound SyncSecurityUserMaster BODs from Infor OS Portal or Ming.le / IFS.

23 Click **Next**.

24 If Infor Web Services was selected, specify configuration information is required to start daemon processes for the LX Web Services. Specify this configuration information:
Web Services Run Port Number = Specify the listening port that receives and processes inbound Web Services requests.
Web Services Stop Port Number = Specify the listening port used to end LX Web Services.

25 Verify that the information is what you intended to enter. You can go back to previous screens to correct data. When you are satisfied, click Install to begin the installation process.

26 Click Next on the Additional Instructions screen.

27 Click **Done**. If the final screen indicates that there were errors during the installation, you can view an installation log for specifics. The log name is Infor_ERP_LX_Extension_2.3_InstallLog_[date time stamp].log.

28 Click **Exit**.

Uninstalling LX Extension

See Uninstalling the LX Extension on page 189.

Verifying the installed components

After you run the installation program and correct any errors in the installation log, verify that the components were installed to the correct directories.

Verifying LX Extension components

The installation program created a directory in the IFS on the IBM i machine that uses the name you specified during the install, \LXEXTENSION_mysystemi-erplxec by default.

The program also created system environment variables on the IBM i and a configuration file used when starting the LX Extension components. The system environment variables are: [EC_LIB]_SYS070_OutPort, [EC_LIB]_SYS070_OutHost, [EC_LIB]_SYS070_InPort, [EC_LIB]_SYS070_WSRunPort, and [EC_LIB]_SYS070_WSStopPort.

In each case [EC_LIB] represents the name of your environment control library. These system environment variables contain the listening port numbers used by the inbound and outbound daemon processes to provide communication with LX.

To view the environment variables use command WRKENVVAR LEVEL(*SYS). The ESBDCFG configuration file is created in the environment control library and is used by the STRLXA command that starts the daemon processes.

After installation is complete, the directory contains these objects and the subdirectories named lib, doc, configuration, PI_Mapping, logs and, if selected, Web Services:

- LXESBPI.jar
- LXESBR.jar
- Connections.xml
- classpathlist.txt
- topology.xml
- installer.properties

The lib subdirectory contains these objects:

- activation.jar
- bsh-2.0b4.jar
- commons-codec-1.4.jar
- commons-collections.jar
- commons-dbcp.jar
- commons-lang.jar
- commons-logging.jar
- commons-fileupload-1.2.jar
- esapi-2.2.3.1.jar
- infor.osgi.ibm.db2.jt400.jar
- mailapi.jar
- servlet-api-2.4.jar
- smtp.jar
- spring.jar
- xercesImpl.jar

The doc subdirectory contains these objects:

- Build_ERP_LX_Adapter.txt
- Build_ERP_LX_Extension.txt
- Build_ERP_LX_Process_Instructions.txt
- Build_ERP_LX_Solutions.txt
- Build_ERP_LX_Web_Services.txt
- create-tables-db2.sql
- QSQLSRC.LXEBCHENT
- QSQLSRC.SAFE_BOX
- Readme_PI.txt
- Readme_ERP_LX_Extension.txt
- Source code for cleanup program UPD80783B
- A solutions subdirectory containing:
  - ERP_LX_Connection_Point_V2.3.xml
  - LX835_BV111_Solution001.xml
  - LX835_CRM83_Solution001.xml
  - LX835_EAM110_Solution001.xml
  - LX835_IFS12_Solution001.xml
  - LX835_SCE1032_Solution001.xml
  - LX835_SupplierExchange1146_Solution001.xml
  - LX835_SupplierExchange1146_Solution002.xml
  - LX835_SupplierInvoiceInbound_Solution001.xml

The PI_Mapping subdirectory contains the version of the mapping files for process instructions delivered with the LX extension. The file is named pi_mappings_9.9.9.vyyyymmddb99999.zip where:

- 9.9.9 = LX extension version number
- yyyymmdd = Build date
- 99999 = Build number

Versions of the mapping files from previous installations of the LX extension may exist in this folder.

The configuration subdirectory contains the LXExtensionJVM.properties file.

The logs subdirectory is delivered without content and will be used for log files.

The WebServices subdirectory includes:

- about.html
- notice.html
- start.ini
- start.jar
- LICENSE-APACHE-2.0.txt
- LICENSE-ECLIPSE-1.0.html
- README.txt

- VERSION.txt
- Subdirectories
  - bin
  - contexts
  - contexts-available
  - etc
  - Javadoc
  - lib
  - logs
  - overlays
  - resources
  - webapps

Verifying process instructions

The LXESBPI.jar file, which contains the process instructions, is installed into the IFS directory. Use a common archiving tool to verify that the jar file contains the required process instructions and APIs. The process instructions are listed in the Readme_PI.txt file that is in the doc subdirectory.

LX Web Services

If selected, Web Services are installed as an additional component of the LX Extension. LX Web Services are used for synchronous requests to LX from another product to allow real time retrieval of information from LX.

To view enabled Web Services and end points, see Web services and end points on page 193.

Configuring LX Extension

After you install LX Extension, install the connection point template. Locate the connection point template, ERP_LX_Connection_Point_V2.3.xml, in the doc\solutions subfolder of the installation folder \LXEXTENSION_mysystemi-erplxec\ on the PC from which the installation was run. See Creating a connection point on page 112.

To use the LX Adapter component of LX Extension, see Using the LX Adapter on page 195.

Upgrading LX Extension

To run the installer as a patch over an existing installation, copy the patch installer executable into the original target install folder, for example, C:\Program Files\LXExtension_2.3_mysystemi-erplxec. The folder is on the PC from which the previous installation was run, not the target IFS folder. The folder includes the installer.properties file with the default values required in the installation.

Backup your current LX Extension directory in the target IFS folder before upgrading.

Once an upgrade has completed, re-implement your changes for performance in the topology.xml file, see topology.xml on page 200.

Considerations for supporting EGLi BODs

To support BOD processing for EGLi, the System-Link outbox files need to be journaled. Perform following steps if System-Link outbox files (SLOCTL, SLODOC, SLOENT, SLOERR, SLOHDR) are not already journaled.

1. Create a journal receiver in your AMFLIBy library where y is your environment indicator, with a name such as LXJRNRCV.

   ```
   CRTJRNRCV JRNRCV(AMFLIBy/LXJRNRCV)
   ```

2. Create a journal in your AMFLIBy library where y is your environment indicator, with a name such as LXJRN, and referencing the journal receiver created in the preceding step.

   ```
   CRTJRN JRN(AMFLIBy/LXJRN) JRNRCV(AMFLIBy/LXJRNRCV)
   ```

3. Start journaling each of the System-Link outbox files: SLOCTL, SLODOC, SLOENT, SLOERR, SLOHDR.

   ```
   STRJRNPF FILE(AMFLIBy/SLOCTL) JRN(AMFLIBy/LXJRN)

   STRJRNPF FILE(AMFLIBy/SLODOC) JRN(AMFLIBy/LXJRN)

   STRJRNPF FILE(AMFLIBy/SLOENT) JRN(AMFLIBy/LXJRN)

   STRJRNPF FILE(AMFLIBy/SLOERR) JRN(AMFLIBy/LXJRN)

   STRJRNPF FILE(AMFLIBy/SLOHDR) JRN(AMFLIBy/LXJRN)
   ```

Connecting your application to ION

A connection point must be set up for LX so that it can send documents to ION.

Optionally, you can then set up and activate a data flow between connection points.

Understanding connection points and data flows

You create connection points in ION Desk. Connection points provide the information that ION uses to connect to a product's message inbox and outbox. At least one connection point must be defined for each application instance that integrates to ION.

For each connection point, you select the BOD documents that can be sent or received by the application instance. These correspond to the BODs that are used in the integrations. See BODs used in integrations with this application on page 185.

In an integration between two BOD-enabled applications, data flows are set up to define the BODs that flow between the application connection points.

A connection point can be reused multiple times in one or more in multiple data flows. You can also create connection points during the modeling of a data flow in the details section of the data flow elements. The connection points that are created during the modeling of a flow are added to the shared list of connection points, and they can be reused.

Some integrations with LX use a solution XML file to set up sample connection points and data flows. This file can be imported to ION to provide the basis for connection points and data flows.

See the section on ION Connect Modeling in the *ION Desk User Guide* for additional information about connection points and data flows.

Creating a connection point

Create one connection point for each instance of the product. A connection point template is delivered with LX Extension and may optionally be used to avoid having to manually enter all information for an LX connection point.

1. In ION Desk, click the Home icon to open the tree structure of options, and then select Connect > Connection points.
2. If using the LX connection point template, click the Import icon and browse for file ERP_LX_Connection_Point_V2.3.xml that was installed into the \doc\solutions subfolder of the \LXExtension_2.3 folder. Click Open then click OK and wait for confirmation that the import process completed successfully.
    a. If choosing to directly use the YourIBMiServer-YourLXEnvironmentControlLibrary connection point template (that you just imported), click anywhere in its box to edit connection point properties.
    b. If choosing to leave the template untouched, click the Copy icon in the box for the YourIBMiServer-YourLXEnvironmentControlLibrary connection point template (that you just imported) to create a new connection point based on the template, but with a name using your actual IBMi server and LX environment control library names. This is the recommended choice.
3. If creating an LX connection point manually (without using the template), click + Add and specify Infor Application as the connection type.

4 Specify this information:
Name = Specify the name of the IBM i server on which LX is installed and the name of the LX environment control library, using this format: mysystemi-erplxec. Specify the names that you used when you installed the LX Extension. This is the same as the value for LXComponentLID found in the Connections.xml file.
Logical ID Type = Specify lx.
Logical ID = The logical ID is automatically created as you fill in the name and logical ID type as “infor.” followed by the logical ID type followed by another dot and then the name. For example, with a Logical ID Type of lx and a Name of mysystemi-erplxec the Logical ID would become infor.lx.mysystemi-erplxec. See Setting up logical IDs, tenants, accounting entities, and locations in LX on page 77 to determine how this is defined in your product.
Tenant = Optionally, select the Tenant check box, and specify the tenant. See Setting up logical IDs, tenants, accounting entities, and locations in LX on page 77 to determine how this is defined in your product.
Database Driver = Specify DB2/400.
Database = Click Use Advanced Settings to specify the URL to connect to the database. The URL should look like this:
jdbc:as400://[hostname];naming=system;libraries=[schemaname];prompt=false. If the URL does not include these parameters, copy this example into the URL field. Replace [hostname] with the name of the IBM i where the LX environment is installed. Replace [schemaname] with the name of the LX files library.
User Name and Password = Specify the user name and password to connect to the LX database. If this user's IBM i password will ever expire, you must update the new password here.
Message Processing Preference in Inbox/Outbox = Uncheck both check boxes "by Tenant" and "by Logical ID".

5 Set Delete Processed Messages to true if you want to immediately delete BODs from the LX message outbox area after ION processes them. Set the value to false if you want the processed BODs to remain in the message outbox for the number of hours specified in the Outbox Cleaner Expire Time field in the Cleanup sub-section of the Advanced section.

6 Click **Test** to verify whether the connection is working. A message is displayed that indicates whether the test is successful. If the test is not successful, correct the connection details and try again.

7 Save the connection point.

8 Click **Back** to return to the list.

Connection points are not activated separately. When you activate a data flow, the associated connection points are activated.

Defining application documents for the connection point

1 In ION Desk, select an LX connection point.

2 Click the **Documents** tab of your LX connection point and select all the documents that can be sent or received by this application instance for any integration. For each document, specify whether it can be sent, received, or both.

See the list of inbound and outbound documents in BODs used in integrations with this application on page 185. The list of documents that you define for this connection point must match that list.

Load.AdvanceShipNotice = Receive in application
Process.AdvanceShipNotice = Send from application
Process.BillToPartyMaster = Receive in application
Process.ContactMaster = Receive in application
Process.CustomerPartyMaster = Receive in application
Process.InventoryAdjustment = Receive in application
Process.InventoryHold = Send from application
Process.ItemMaster = Receive in application
Process.Quote = Receive in application
Process.ReceiveDelivery = Receive in application
Process.Requisition = Receive in application
Process.SalesOrder = Receive in application
Process.SecurityUserMaster = Send from application
Process.Shipment = Send from and receive in application
Process.ShipToPartyMaster = Receive in application
Process.SupplierInvoice = Receive in application
Sync.AccountingBookDefinition = Send from application
Sync.AccountingChart = Send from application
Sync.AccountingEntity = Send from application
Sync.AdvanceShipNotice = Send from application
Sync.BillOfMaterials = Send from application
Sync.BillOfResources = Send from application
Sync.BillToPartyMaster = Send from application
Sync.CarrierParty = Send from application
Sync.CashReceipt = Send from application
Sync.ChartOfAccounts = Send from application
Sync.CodeDefinition = Send from application
Sync.ContactMaster = Send from application
Sync.Contract = Send from application
Sync.CustomerPartyMaster = Send from application
Sync.CustomerReturn = Send from application
Sync.FinancialCalendar = Send from application
Sync.FinancialPartyMaster = Send from application
Sync.InventoryAdjustment = Send from and receive in application
Sync.InventoryCount = Send from application
Sync.InventoryHold = = Send from and receive in application
Sync.Invoice = Send from application
Sync.ItemMaster = Send from application
Sync.Location = Send from application
Sync.PayableTransaction = Send from application
Sync.PayFromPartyMaster = Send from application
Sync.Person = Send from application
Sync.ProductionOrder = Send from application
Sync.ProductionReceiver = Send from application

Sync.PurchaseOrder = Send from application
Sync.Quote = Send from application
Sync.ReceivableTransaction = Send from application
Sync.ReceiveDelivery = = Send from and receive in application
Sync.RemittanceAdvice = Send from application
Sync.RemitToPartyMaster = Send from application
Sync.Requisition = Send from application
Sync.SalesOrder = Send from application
Sync.SecurityRoleMaster = Send from application
Sync.SecurityUserMaster = Receive in application
Sync.ServiceConsumption = Send from and receive in application
Sync.ShipFromPartyMaster = Send from application
Sync.Shipment = Send from and receive in application
Sync.ShipToPartyMaster = Send from application
Sync.SourceSystemGLMovement = Send from application
Sync.SourceSystemJournalEntry = Send from application
Sync.SupplierInvoice = Send from application
Sync.SupplierPartyMaster = Send from application
Sync.SupplierQuote = Send from application

You can also add custom document types.

See the *ION Desk User Guide*.

Note: If you later remove a document that is used in a data flow, an error is reported in the data flow messages pane.

Configuring a data flow between applications

Note: Usually, data flows are configured and activated in conjunction with integrations between this application and another application. In that case, follow the steps in the appropriate integration guide. If you want to send BODs to another ION-enabled application and the integration is not supported by Infor, see the *ION Desk User Guide* for the steps to create a data flow.

Pre-defined data flows between LX and other products are delivered with LX Extension.

- For more information about the LX to CRM data flow, see the Infor LX Integration Guide for Infor CRM
- For more information about the LX to EAM data flow, see the Infor LX Integration Guide for Infor EAM
- For more information about the LX to WMS data flow, see the Infor LX Integration Guide for Infor SCE Warehouse Management Module
- For more information about the LX to Supplier Exchange data flow, see the Infor LX Integration Guide for Infor Supplier Exchange
- For more information about the LX to Business Vault data flow, see the Infor LX Configuration Guide for Infor Business Vault

- A template data flow has been provided for a ProcessSupplierInvoice BOD from any other product to LX. If you have a product that sends ProcessSupplierInvoice, create a connection point for that product, and then customize this template to include that other connection point as the source of ProcessSupplierInvoice
    - This template data flow also includes an XSLT transformation TransformSupplierInvoiceLine that inserts additional elements into the inbound ProcessSupplierInvoice BOD allowing the LX Extension Process Instruction (PI) to resort the inbound ProcessSupplierInvoice BOD's lines into the sequence needed for processing in the LX Accounts Payable Invoice Entry (ACP500) programs
    - If the other product populates element SupplierInvoiceLine/InvoiceAllowance/Amount and expects its value to be used as an override discount amount to the line item, set the LX system parameter "Auto Calculate Discounts in Invoice Entry" to 0=No
    - If the other product populates element SupplierInvoiceHeader/DocumentDateTime with a value consisting of both a date and a time, then LX will convert to the user's region's time zone, which could result in a different date (yesterday or tomorrow)
    - If it is necessary for LX to disallow memo actions to invoices in a specified company while handling an inbound ProcessSupplierInvoice BOD, set the company's " Disable Memo Action to Existing AP Invoice " parameter to 1=Yes
    - Because it is possible for an invoice to be created in LX while having an issue with the associated journal entry, it is necessary to regularly check the CEA200 report to identify journal entry errors and correct them in Maintain Events CEA500
- The LX to IFS data flow includes two application activities for LX which must be pointed to your LX connection point and one application activity for IFS which must be pointed to your Infor OS Portal or Ming.le / IFS connection point
  Note: If multiple LX environments are in a single IBMi Logical Partition (LPAR), only activate an LX to IFS data flow with the LX connection point referencing one of those multiple LX environments on that single LPAR

Publishing BODs

You publish BODs so that ION can retrieve them from your message outbox. You can publish BODs for general use by any product that subscribes to the BODs through Infor ION. After you perform an initial data load from your application, you verify that data is flowing out of the application into ION. For details about a specific integration, see the appropriate integration guide.

For an ION-based integration between this application and another application, see the appropriate integration guide for these instructions:

- Setting up the data flows
- Performing any additional configuration of the applications that is required for that integration

You can then use the steps in the integration guide to publish the BODs.

Starting applications and services

Start these applications, services and processes if they are not already running:

- LX Adapter components of LX Extension. See Starting daemon processes on page 205
- Other applications with which you are communicating through Infor ION
- ION Service

  Use the ION Grid Management user interface to verify that the ION Service is running. See the *ION Grid Administration Guide.*

Sending the initial data load

During normal processing, BODs are published when a user changes data or completes a transaction. However, when you start a new integration with another application, you must manually generate BODs that pass the current set of data from your application to the other, so that the base systems are synchronized. The BODs are placed in the message outbox, from which Infor ION retrieves them and passes them to the other application.

To perform an initial data load into BODs that are placed in the message outbox:

1 Access Initial Data Load Selection, SYS070D1.

2 Type action **11=Select** for all listed LX entities that are appropriate for your integrations.
Note: It is recommended that you analyze your data volume before submitting entities individually and consecutively. After an entity is submitted and completed, select the next entity for submittal.

3 Press either **F16=Run Interactive** or **F18=Run in Batch**.

4 If you selected Subset for any selected LX entity, another screen is displayed

   a For the LX Codes entity, on the next screen type action 11=Select for all listed types of codes that are appropriate for your integrations and press F6=Accept.

   b For any other entity, fill in the appropriate ranges and press F6=Accept.

To perform an Initial Data Load of BODs from EGLi business objects, execute the business object's host job function, selecting the previously created replication destination, see Enabling BOD generation from EGLi on page 95.

To verify the initial data load, see Verifying the ION configuration on page 118.

After the initial data load, LX sends BOD updates when users change certain data or when certain transactions occur in LX.

For a list of the events that generate BODs, see Business events that generate outbound BODs on page 175.

BOD dependencies

Review the integration guides for the applications with which you are integrating LX for special requirements or a specific sequence in which to load the data. If none of the other applications require a specific load sequence, then load data in the sequence shown on the SYS070 screens.

Some of the applications receiving BODs from LX may expect referential integrity within those BODs. Purging of data in LX could potentially remove a reference required by another application. If any of your integrated applications require valid references, Infor recommends that you refrain from purging the corresponding data from LX.

Verifying the ION configuration

Verify that the connections are set up correctly.

Verifying that BODs are generated

1. Determine what user actions generate certain BODs. See Business events that generate outbound BODs on page 175.
2. Perform those user actions in LX.
3. In ION Desk, review the messages by using ION Desk OneView or other ION Desk functions.

   If messages are not displayed in ION Desk, check the message outbox in the application (files COROUTENT and COROUTHDR in the LX files library) to see if the BODs were generated but were not retrieved by ION. Note that if ION has been started and the LX connection point was defined to delete messages after being processed, then the LX message outbox won't contain any entries after ION has completed its processing.
4. If messages are not flowing, review the XML data for the BOD.

Verifying that ION receives data

To verify that ION is receiving BODs from LX, perform these actions in Infor ION Desk:

- Select **Connect > Active Connection Points** to show the message queue counts.
- Select **OneView** to show individual messages, if they are enabled.
- Select **Connect > Error BODs** to see if any errors were reported.

If you encounter problems, see Data is not flowing properly on page 169.

Verifying the data flow between applications

After you create and activate data flows to other applications, you can check the message inbox area of the other applications, to ensure that data is flowing between the applications. Also see the guides for integration between LX and each other product for more specific steps on verifying the integration.

Chapter 10 Configuring workflows and ION messages for your application

You can configure workflows and ION messages for your application.

ION messages

This table shows the types of ION messages:

Type	Description
Alert	BODs are published by applications when business events occur. In Infor ION Event Management, you can monitor business events and create alerts when exceptions occur. BODs are published by applications when business events occur. Monitors are processes that run in the Event Management engine and evaluate these BODs by applying predefined business rules: comparison conditions, value change conditions, and document overdue timer based rules. When exceptions are detected, these are reported as alerts to the business users. The distribution list of alerts is included in the monitor definition. Users can receive alerts on their workspaces/homepages or by email.
Task	A task is a workflow step that creates an entry in a user's task list. The workflow stops until the user has completed the task, and then the next step in the workflow begins.

Type	Description
Notification	A notification is a workflow step that creates a notification in the user's task list. The workflow continues after the notification is sent to a user. You can configure notifications to perform these actions: • Send a message to inform the user that a certain point in the workflow has been reached. • Optionally, include notes from previous steps. • Display workflow parameters and structures. You can define a distribution list for notifications.
Alarm	An alarm is a monitor that is used in the ION Alarms mobile application. Your product provides predefined alarm templates. In ION Desk, the business administrator can also create alarm templates. After the templates are activated, mobile users can use the templates to create alarms in the ION Alarms mobile application for Android devices. The alarm creator can specify the distribution list for the resulting alert. *See the Infor ION Alarms Mobile Application User Guide*. The users receive the alert on their Infor OS Portal or Ming.le page, in the Infor OS Portal or Ming.le mobile application, or by email.

Configuring applications to process alerts

1 Configure ION to process alerts from this application.

See the *ION Desk User Guide*.

2 Configure Infor OS Portal or Ming.le to display alerts for this application.

3 Set up Infor OS Portal or Ming.le users with the appropriate roles to access tasks and alerts.

See information about configuring user access for tasks and alerts in the *ION Desk User Guide*.

Configuring applications to process workflows for tasks and notifications

1 Configure ION to process tasks and notifications from this application.

See the *ION Desk User Guide*.

2 Configure Infor OS Portal or Ming.le to display tasks and notifications for this application.

3 Set up Infor OS Portal or Ming.le users with the appropriate roles to access tasks and alerts.

See information about configuring user access for tasks and alerts in the *ION Desk User Guide*.

Configuring alarm templates

1 Configure ION to process alarm templates.

See the *ION Desk User Guide*.

2 Create or modify alarm templates, if required, and then activate them. *See the ION Desk User Guide*.

After the templates are activated, mobile users can use the templates to create alarms in the ION Alarms mobile application.

Chapter 11 Configuring drillbacks to your application

You must configure drillbacks to your application.

About drillbacks

Infor OS Portal or Ming.le users can share screens and business data in some applications that are integrated with LX. There are two types of drillbacks:

- Context-sensitive embedded drillbacks: The screens and business data can include embedded drill-back links to LX.

  See Understanding business context messages on page 157.

- BOD-based drillbacks: If a Business Object Document (BOD) was sent from LX, and the BOD has an associated drillback link, then users can click the link to view the screen that has the supporting information for the source transactions.

  For example, when a customer order is created or maintained in ORD700, LX publishes a SyncSalesOrder BOD. When viewing data from that SyncSalesOrder BOD, such as in a Infor OS Portal or Ming.le Alert or Task, a drillback link is available. If a user clicks that drillback link for a particular SalesOrder, the IDF business object Customer Order will be launched for that specific Customer Order.

  A drillback link can be defined for each type of BOD noun, for example, SalesOrder or ItemMaster. The link is configured to open a specific screen for that noun. Not every BOD noun has an associated drillback view in LX.

Importing and configuring application drillbacks

To enable Infor OS Portal or Ming.le users to open applicable screens in LX directly from an Infor OS Portal or Ming.le object (a BOD-based drillback), you must import an XML document to create the mapping from the object type to the appropriate LX form.

1 The LXStandardView_8.3.4.003.xml file is delivered with Infor Operating Service and is automatically deployed upon creation of an LX application in OS Portal or Ming.le. Modified versions of this file for LX 8.3.5 are named as LXStandardView_8.3.5.nnn.xml and are delivered as part of an LX MR. Download the most recent version of the LXStandardView_8.3.5.nnn.xml file (where nnn represents a sequential modification number starting with 001) from the Infor Product Download Center.

2 In Infor OS Portal or Ming.le, go to the Manage Drillbacks page. Drillback administration requires an Administrator profile.

   See the *Infor Operating Service Administration Guide*.

3 Click **Upload Drillback XML** to open a file browser and select the most recent version of the LXStandardView_8.3.5.nnn.xml file, which contains the drillback views..

Note: The LX connection point must be included in an activated ION data flow. The data from the documents in the activated flow is available to Infor OS Portal or Ming.le for use in drillbacks to LX.

Available drillbacks

These drillbacks are provided: context-sensitive and BOD-based.

Context-sensitive drillbacks

The screens and business data can include embedded drillback links to LX.

See Understanding business context messages on page 157.

This table shows the screens that send business context messages, each entity within the business context message, and the drillback pages that are associated with each entity.

Screen, page, or form	Entity	Drillback destination
ACP100F2-SCR001 Vendor Maintenance – Definition	ENTITY-01 InforSupplierPartyMaster	Vendor (LVND)
ACP100F2-SCR002 Vendor Maintenance – Control	ENTITY-01 InforSupplierPartyMaster	Vendor (LVND)
ACP100F2-SCR003 Vendor Maintenance – Contact	ENTITY-01 InforSupplierPartyMaster	Vendor (LVND)

Screen, page, or form	Entity	Drillback destination
ACP100F2-SCR004 Vendor Maintenance - Tax	ENTITY-01 InforSupplierPartyMaster	Vendor (LVND)
ACP100F2-SCR005 Vendor Maintenance – Shipping	ENTITY-01 InforSupplierPartyMaster	Vendor (LVND)
ACP100F2-SCR006 Vendor Maintenance – Invoicing	ENTITY-01 InforSupplierPartyMaster	Vendor (LVND)
ACP140F2-SCR001 Bank Maintenance	ENTITY-01 InforFinancialsPartyMaster	Bank (LBNK)
ACP140F2-SCR002 Bank Maintenance – Address	ENTITY-01 InforFinancialsPartyMaster	Bank (LBNK)
ACP500F2-SCR001 Invoice Entry – Header	ENTITY-01 InforFinancialsPartyMaster	Bank (LBNK)
ACP500F2-SCR001 Invoice Entry – Header	ENTITY-02 InforSupplierPartyMaster (Invoice-To)	Vendor (LVND)
ACP500F2-SCR001 Invoice Entry – Header	ENTITY-03 InforSupplierPartyMaster (Pay-To)	Vendor (LVND)
ACP500F2-SCR001 Invoice Entry – Header	ENTITY-04 InforPurchaseOrder	Purchase Order (LPOR)
ACP500F3-SCR001 Invoice Entry - PO Costing	ENTITY-01 InforSupplierPartyMaster	Vendor (LVND)
ACP500F3-SCR001 Invoice Entry - PO Costing	ENTITY-02 InforPurchaseOrder	Purchase Order (LPOR)
ACP500F4-SCR001 Invoice Entry – Distribution	ENTITY-01 InforSupplierPartyMaster	Vendor (LVND)
ACP500F5-SCR001 Invoice Entry - Tax Amount Correction	ENTITY-01 InforSupplierPartyMaster	Vendor (LVND)
ACP502FM-SCR001 One Time Vendor Detail	ENTITY-01 InforSupplierPartyMaster	Vendor (LVND)
ACP510FM-SCR001 Invoice Maintenance	ENTITY-01 InforFinancialsPartyMaster	Bank (LBNK)
ACP510FM-SCR001 Invoice Maintenance	ENTITY-02 InforSupplierPartyMaster (Invoice-To)	Vendor (LVND)
ACP510FM-SCR001 Invoice Maintenance	ENTITY-03 InforSupplierPartyMaster (Pay-To)	Vendor (LVND)

Screen, page, or form	Entity	Drillback destination
ACP510FM-SCR001 Invoice Maintenance	ENTITY-04 InforSupplierInvoice	Vendor Invoice (VNI)
ACP600FM-SCR003 Payment Selection	ENTITY-01 InforAccountingEntity	Company (LCPY)
ACP600FM-SCR004 Payment Selection Detail	ENTITY-01 InforAccountingEntity	Company (LCPY)
ACR100F2-SCR001 Customer Maintenance – Definition	ENTITY-01 InforCustomerPartyMaster	Customer (LCUS)
ACR100F2-SCR002 Customer Maintenance – Shipping	ENTITY-01 InforCustomerPartyMaster	Customer (LCUS)
ACR100F2-SCR003 Customer Maintenance – Address	ENTITY-01 InforCustomerPartyMaster	Customer (LCUS)
ACR100F2-SCR004 Customer Maintenance – Credit	ENTITY-01 InforCustomerPartyMaster	Customer (LCUS)
ACR100F2-SCR005 Customer Maintenance – Tax	ENTITY-01 InforCustomerPartyMaster	Customer (LCUS)
ACR100F2-SCR006 Customer Maintenance – Sales	ENTITY-01 InforCustomerPartyMaster	Customer (LCUS)
ACR100F2-SCR007 Customer Maintenance – Pricing	ENTITY-01 InforCustomerPartyMaster	Customer (LCUS)
ACR100F2-SCR008 Customer Maintenance – Order Class	ENTITY-01 InforCustomerPartyMaster	Customer (LCUS)
ACR100F2-SCR009 Customer Maintenance – Shipping Policy	ENTITY-01 InforCustomerPartyMaster	Customer (LCUS)
ACR100F2-SCR010 Customer Maintenance – Release Management	ENTITY-01 InforCustomerPartyMaster	Customer (LCUS)
ACR100F2-SCR011 Customer Maintenance – Sequence/Self Bill	ENTITY-01 InforCustomerPartyMaster	Customer (LCUS)
ACR100F2-SCR012 Customer Maintenance – Invoicing	ENTITY-01 InforCustomerPartyMaster	Customer (LCUS)
ACR100F2-SCR013 Customer Maintenance – Cartera	ENTITY-01 InforCustomerPartyMaster	Customer (LCUS)
ACR120F2-SCR001 Company Maintenance – Address	ENTITY-01 InforAccountingEntity	Company (LCPY)
ACR120F2-SCR001 Company Maintenance – Address	ENTITY-02 InforLocation	Company (LCPY)

Screen, page, or form	Entity	Drillback destination
ACR120F2-SCR002 Company Maintenance	ENTITY-01 InforAccountingEntity	Company (LCPY)
ACR120F2-SCR002 Company Maintenance	ENTITY-02 InforLocation	Company (LCPY)
ACR120F2-SCR003 Company Master Maintenance – Invoicing	ENTITY-01 InforAccountingEntity	Company (LCPY)
ACR120F2-SCR003 Company Master Maintenance – Invoicing	ENTITY-02 InforLocation	Company (LCPY)
ACR120F2-SCR004 Company Master Maintenance - Cartera Parameters	ENTITY-01 InforAccountingEntity	Company (LCPY)
ACR120F2-SCR004 Company Master Maintenance - Cartera Parameters	ENTITY-02 InforLocation	Company (LCPY)
ACR500F1-SCR001 A/R Cash and Memo Posting	ENTITY-01 InforAccountingEntity	Company (LCPY)
ACR500F1-SCR001 A/R Cash and Memo Posting	ENTITY-02 InforLocation	Company (LCPY)
ACR500F1-SCR001 A/R Cash and Memo Posting	ENTITY-03 InforCustomerPartyMaster	Customer (LCUS)
ACR500F2-SCR001 A/R Cash and Memo Posting	ENTITY-01 InforCustomerPartyMaster	Customer (LCUS)
ACR500F2-SCR001 A/R Cash and Memo Posting	ENTITY-02 InforFinancialsPartyMaster	Bank (LBNK)
ACR630FM-SCR001 Quick Entry Payments	ENTITY-01 InforFinancialsPartyMaster	Bank (LBNK)
ACR630FM-SCR001 Quick Entry Payments	ENTITY-02 InforAccountingEntity	Company (LCPY)
BIL501F2-SCR001 Customer Document Header - Invoicee Address	ENTITY-01 InforSalesOrder	Customer Order (LCOR)
BIL501F2-SCR001 Customer Document Header - Invoicee Address	ENTITY-02 InforCustomerPartyMaster (Sold-To)	Customer (LCUS)
BIL501F2-SCR001 Customer Document Header - Invoicee Address	ENTITY-03 InforCustomerPartyMaster (AR)	Customer (LCUS)
BIL501F2-SCR001 Customer Document Header - Invoicee Address	ENTITY-04 InforCustomerPartyMaster (Invoice-To)	Customer (LCUS)

Screen, page, or form	Entity	Drillback destination
BIL501F2-SCR002 Customer Document Header - Financial	ENTITY-01 InforSalesOrder	Customer Order (LCOR)
BIL501F2-SCR002 Customer Document Header - Financial	ENTITY-02 InforCustomerPartyMaster (Sold-To)	Customer (LCUS)
BIL501F2-SCR002 Customer Document Header - Financial	ENTITY-03 InforCustomerPartyMaster (Lock Box-To)	Customer (LCUS)
BIL501F2-SCR002 Customer Document Header - Financial	ENTITY-04 InforCustomerPartyMaster (Remit-From)	Customer (LCUS)
BIL501F2-SCR002 Customer Document Header - Financial	ENTITY-05 InforAccountingEntity	Company (LCPY)
BIL501F2-SCR003 Customer Document Header - Sales and Order	ENTITY-01 InforSalesOrder	Customer Order (LCOR)
BIL501F2-SCR003 Customer Document Header - Sales and Order	ENTITY-02 InforCustomerPartyMaster	Customer (LCUS)
BIL501F2-SCR003 Customer Document Header - Sales and Order	ENTITY-03 InforFinancialsPartyMaster	Bank (LBNK)
BIL501F2-SCR003 Customer Document Header - Sales and Order	ENTITY-04 InforPerson (Salesperson 1)	Sales Representative (SLR)
BIL501F2-SCR003 Customer Document Header - Sales and Order	ENTITY-05 InforPerson (Salesperson 2)	Sales Representative (SLR)
BIL501F2-SCR003 Customer Document Header - Sales and Order	ENTITY-06 InforLocation	Warehouse (LWHS)
BIL501F2-SCR004 Customer Document Header - Shipping	ENTITY-01 InforSalesOrder	Customer Order (LCOR)
BIL501F2-SCR004 Customer Document Header - Shipping	ENTITY-02 InforCustomerPartyMaster (Sold-To)	Customer (LCUS)
BIL501F2-SCR004 Customer Document Header - Shipping	ENTITY-03 InforCustomerPartyMaster (Ship-To)	Customer (LCUS)
BOM500F2-SCR001 B.O.M-FORMULA-RECIPE Maintenance	ENTITY-01 InforBillofMaterials	Enterprise Item (LITM)
BOM500F2-SCR001 B.O.M-FORMULA-RECIPE Maintenance	ENTITY-02 InforItemMaster	Enterprise Item (LITM)

Screen, page, or form	Entity	Drillback destination
BOM500F3-SCR001 B.O.M-FORMULA-RECIPE Component Detail	ENTITY-01 InforBillofMaterials	Manufacturing Bill of Material Component (MBMCMP)
BOM500F3-SCR001 B.O.M-FORMULA-RECIPE Component Detail	ENTITY-02 InforItemMaster (parent item)	Enterprise Item (LITM)
BOM500F3-SCR001 B.O.M-FORMULA-RECIPE Component Detail	ENTITY-03 InforItemMaster (component item)	Enterprise Item (LITM)
BOM600F2-SCR001 Planning Bill of Material Maintenance	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
BOM600F3-SCR001 Planning Bill Component Line Detail	ENTITY-01 InforItemMaster (parent item)	Enterprise Item (LITM)
BOM600F3-SCR001 Planning Bill Component Line Detail	ENTITY-02 InforItemMaster (last component created)	Enterprise Item (LITM)
BOM600F3-SCR001 Planning Bill Component Line Detail	ENTITY-03 InforItemMaster (from component item)	Enterprise Item (LITM)
BOM600F4-SCR001 Planning Bill of Material - Copy	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
CST100FM-SCR002 Cost Maintenance	ENTITY-01 InforLXItemCost	Item Cost (ITMCST)
CST100FM-SCR002 Cost Maintenance	ENTITY-02 InforItemMaster	Enterprise Item (LITM)
CST100FM-SCR002 Cost Maintenance	ENTITY-03 InforLocation	Facility (LFAC)
DRP510FM-SCR001 DRP Maintenance - Selection	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
DRP510FM-SCR001 DRP Maintenance - Selection	ENTITY-02 InforLocation	Facility (LFAC)
DRP510FM-SCR002 DRP Maintenance - Detail	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
DRP510FM-SCR002 DRP Maintenance - Detail	ENTITY-02 InforLocation	Facility (LFAC)
DRP510FM-SCR003 DRP Maintenance - Pegged Requirements	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
DRP510FM-SCR003 DRP Maintenance - Pegged Requirements	ENTITY-02 InforLocation	Facility (LFAC)

Screen, page, or form	Entity	Drillback destination
DRP510FM-SCR004 DRP Maintenance - Create Planned Orders	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
DRP510FM-SCR004 DRP Maintenance - Create Planned Orders	ENTITY-02 InforLocation	Facility (LFAC)
DRP510FM-SCR004 DRP Maintenance - Create Planned Orders	ENTITY-03 InforSupplierPartyMaster	Vendor (LVND)
DRP550FM-SCR001 Resupply Order Receipts - Selection	ENTITY-01 InforSalesOrder	Customer Order (LCOR)
DRP550FM-SCR002 Resupply Order Receipts - Maintenance	ENTITY-01 InforSalesOrder	Customer Order (LCOR)
DRP550FM-SCR002 Resupply Order Receipts - Maintenance	ENTITY-02 InforCustomerPartyMaster	Customer (LCUS)
INV100F2-SCR001 Item Master Maintenance – Definition	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
INV110F2-SCR001 Warehouse Master - Address	ENTITY-01 InforLocation	Warehouse (LWHS)
INV110F2-SCR002 Warehouse Master – Definition	ENTITY-01 InforLocation (warehouse)	Warehouse (LWHS)
INV110F2-SCR002 Warehouse Master – Definition	ENTITY-02 InforLocation (facility)	Facility (LFAC)
INV110F2-SCR003 Warehouse Master - Shipping	ENTITY-01 InforLocation	Warehouse (LWHS)
INV111F2-SCR001 Buyer / Planner Maintenance	ENTITY-01 InforPerson (buyer)	Buyer (BUY)
INV111F2-SCR001 Buyer / Planner Maintenance	ENTITY-02 InforPerson (planner)	Planner (PLN)
INV300FM-SCR002 Material Status Inquiry - Summary	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
INV300FM-SCR002 Material Status Inquiry - Summary	ENTITY-02 InforLocation	Facility (LFAC)
INV300FM-SCR002 Material Status Inquiry - Summary	ENTITY-03 InforInventory	Enterprise Item (LITM)
INV300FM-SCR003 Material Status Inquiry - Orders	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
INV300FM-SCR003 Material Status Inquiry - Orders	ENTITY-02 InforLocation	Facility (LFAC)

Screen, page, or form	Entity	Drillback destination
INV300FM-SCR003 Material Status Inquiry - Orders	ENTITY-03 InforInventory	Enterprise Item (LITM)
INV300FM-SCR004 Material Status Inquiry - Location	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
INV300FM-SCR004 Material Status Inquiry - Location	ENTITY-02 InforLocation	Facility (LFAC)
INV300FM-SCR004 Material Status Inquiry - Location	ENTITY-03 InforInventory	Enterprise Item (LITM)
INV300FM-SCR005 Material Status Inquiry - History	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
INV300FM-SCR005 Material Status Inquiry - History	ENTITY-02 InforLocation	Facility (LFAC)
INV300FM-SCR005 Material Status Inquiry - History	ENTITY-03 InforInventory	Enterprise Item (LITM)
INV300FM-SCR006 Material Status Inquiry - Warehouse	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
INV300FM-SCR006 Material Status Inquiry - Warehouse	ENTITY-02 InforLocation	Facility (LFAC)
INV300FM-SCR006 Material Status Inquiry - Warehouse	ENTITY-03 InforInventory	Enterprise Item (LITM)
INV300FM-SCR007 Material Status Inquiry - Container	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
INV300FM-SCR007 Material Status Inquiry - Container	ENTITY-02 InforLocation	Facility (LFAC)
INV300FM-SCR007 Material Status Inquiry - Container	ENTITY-03 InforInventory	Enterprise Item (LITM)
INV300FM-SCR008 Material Status Inquiry - Pallets	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
INV300FM-SCR008 Material Status Inquiry - Pallets	ENTITY-02 InforLocation	Facility (LFAC)
INV300FM-SCR008 Material Status Inquiry - Pallets	ENTITY-03InforInventory	Enterprise Item (LITM)
INV300F2-SCR002 Material Status Inquiry – Whs/Location	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
INV300F2-SCR002 Material Status Inquiry – Whs/Location	ENTITY-02 InforLocation	Facility (LFAC)

Screen, page, or form	Entity	Drillback destination
INV300F2-SCR002 Material Status Inquiry – Whs/Location	ENTITY-03 InforInventory	Enterprise Item (LITM)
INV300F2-SCR003 Manufacturing/Sales Availability Inquiry	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
INV300F2-SCR003 Manufacturing/Sales Availability Inquiry	ENTITY-02 InforLocation	Facility (LFAC)
INV300F2-SCR003 Manufacturing/Sales Availability Inquiry	ENTITY-03 InforInventory	Enterprise Item (LITM)
INV500F2-SCR002 Container Transaction Posting	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
INV500F2-SCR002 Container Transaction Posting	ENTITY-02 InforLocation	Warehouse (LWHS)
INV500F4-SCR001 Lot Inventory location	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
INV500F4-SCR002 Lot Location Sub-Lot	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
INV500F4-SCR002 Lot Location Sub-Lot	ENTITY-02 InforLocation	Warehouse (LWHS)
INV500F5-SCR001 Mass Component Entry	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
INV500F5-SCR001 Mass Component Entry	ENTITY-02 InforLocation	Warehouse (LWHS)
INV540F2-SCR001 Cycle Count Summary Entry	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
INV540F2-SCR001 Cycle Count Summary Entry	ENTITY-02 InforLocation	Warehouse (LWHS)
INV540F3-SCR001 Cycle Count Detail Entry	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
INV540F3-SCR001 Cycle Count Detail Entry	ENTITY-02 InforLocation	Warehouse (LWHS)
INV600F2-SCR002 Physical Inventory Tag Maintenance	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
INV600F2-SCR002 Physical Inventory Tag Maintenance	ENTITY-02 InforLocation	Warehouse (LWHS)

Screen, page, or form	Entity	Drillback destination
JIT600F3-SCR001 Production Reporting - Employee	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
JIT600F3-SCR002 Production Reporting – Employee Detail	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
JIT600F4-SCR001 Production Reporting – Lot	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
JIT600F4-SCR002 Production Reporting – Lot detail	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
JIT600F4-SCR002 Production Reporting – Lot Detail	ENTITY-02 InforLocation	Warehouse (LWHS)
JIT600F4-SCR003 Parent Container Entry	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
JIT600F4-SCR004 Parent Container Entry Detail	ENTITY-01 InforItemMaster (item for posting time)	Enterprise Item (LITM)
JIT600F4-SCR004 Parent Container Entry Detail	ENTITY-02 InforItemMaster (receiving item)	Enterprise Item (LITM)
JIT600F4-SCR004 Parent Container Entry Detail	ENTITY-03 InforLocation	Warehouse (LWHS)
JIT600F5-SCR001 Production Reporting - Backflush	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
JIT600F5-SCR002 Production Reporting – Backflush Detail	ENTITY-01 InforItemMaster (parent item)	Enterprise Item (LITM)
JIT600F5-SCR002 Production Reporting – Backflush Detail	ENTITY-02 InforItemMaster (component item)	Enterprise Item (LITM)
JIT600F6-SCR001 Production Reporting - Schedule	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
MRP510FM-SCR001 MRP Maintenance - Selection	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
MRP510FM-SCR001 MRP Maintenance - Selection	ENTITY-02 InforLocation	Facility (LFAC)
MRP510FM-SCR002 MRP Maintenance	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
MRP510FM-SCR002 MRP Maintenance	ENTITY-02 InforLocation	Facility (LFAC)
MRP510FM-SCR003 MRP Maintenance - Pegging	ENTITY-01 InforItemMaster	Enterprise Item (LITM)

Screen, page, or form	Entity	Drillback destination
MRP510FM-SCR003 MRP Maintenance - Pegging	ENTITY-02 InforLocation	Facility (LFAC)
MRP510FM-SCR004 MRP Maintenance - Planning Detail	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
MRP510FM-SCR004 MRP Maintenance - Planning Detail	ENTITY-02 InforLocation	Facility (LFAC)
MRP510FM-SCR004 MRP Maintenance - Planning Detail	ENTITY-03 InforSupplierPartyMaster	Vendor (LVND)
OLM140FM-SCR001 Address Master Maintenance - Shipping	ENTITY-01 InforCustomerPartyMaster	Customer (LCUS)
OLM140FM-SCR001 Address Master Maintenance - Shipping	ENTITY-02 InforSupplierPartyMaster	Vendor (LVND)
OLM140FM-SCR001 Address Master Maintenance - Shipping	ENTITY-03 InforAddress	Customer Address (CUSADD)
OLM575F2-SCR001 Ship Confirm by Load	ENTITY-01 InforLocation	Warehouse (LWHS)
OLM575F3-SCR001 Ship Confirm by Order	ENTITY-01 InforLocation	Warehouse (LWHS)
ORD100F2-SCR001 Address Master Maintenance - Address	ENTITY-01 InforSupplierPartyMaster	Vendor (LVND)
ORD100F2-SCR001 Address Master Maintenance - Address	ENTITY-02 InforCustomerPartyMaster	Customer (LCUS)
ORD100F2-SCR001 Address Master Maintenance - Address	ENTITY-03 InforAddress	Customer Address (CUSADD)
ORD100F2-SCR002 Address Master Maintenance - Definition	ENTITY-01 InforCustomerPartyMaster	Customer (LCUS)
ORD100F2-SCR002 Address Master Maintenance - Definition	ENTITY-02 InforSupplierPartyMaster	Vendor (LVND)
ORD100F2-SCR002 Address Master Maintenance - Definition	ENTITY-03 InforAddress	Customer Address (CUSADD)
ORD100F2-SCR003 Address Master Maintenance – Release Management	ENTITY-01 InforCustomerPartyMaster	Customer (LCUS)
ORD100F2-SCR003 Address Master Maintenance – Release Management	ENTITY-02 InforAddress	Customer Address (CUSADD)
ORD100F2-SCR004 Address Master Maintenance – Shipping Policy	ENTITY-01 InforCustomerPartyMaster	Customer (LCUS)

Screen, page, or form	Entity	Drillback destination
ORD100F2-SCR004 Address Master Maintenance – Shipping Policy	ENTITY-02 InforAddress	Customer Address (CUSADD)
ORD300F2-SCR001 Order Lines	ENTITY-01 InforCustomerPartyMaster (sales order customer)	Customer (LCUS)
ORD300F2-SCR001 Order Lines	ENTITY-02 InforSalesOrder	Customer Order (LCOR)
ORD300F2-SCR001 Order Lines	ENTITY-03 InforQuote	ORD300F2-SCR001
ORD302FM-SCR001 Order Shipping	ENTITY-01 InforSalesOrder	Customer Order (LCOR)
ORD302FM-SCR001 Order Shipping	ENTITY-02 InforQuote	ORD302FM-SCR001
ORD302FM-SCR001 Order Shipping	ENTITY-03 InforCustomerPartyMaster (sales order customer)	Customer (LCUS)
ORD303FM-SCR001 Order Pricing, Sales, Commission	ENTITY-01 InforQuote	ORD303FM-SCR001
ORD303FM-SCR001 Order Pricing, Sales, Commission	ENTITY-02 InforSalesOrder	Customer Order (LCOR)
ORD303FM-SCR001 Order Pricing, Sales, Commission	ENTITY-03 InforCustomerPartyMaster (sales order customer)	Customer (LCUS)
ORD304FM-SCR001 Order Billing and Financial	ENTITY-01 InforSalesOrder	Customer Order (LCOR)
ORD304FM-SCR001 Order Billing and Financial	ENTITY-02 InforQuote	ORD304FM-SCR001
ORD304FM-SCR001 Order Billing and Financial	ENTITY-03 InforCustomerPartyMaster (sales order customer)	Customer (LCUS)
ORD305FM-SCR001 Order Inventory	ENTITY-01 InforSalesOrder	Customer Order (LCOR)
ORD305FM-SCR001 Order Inventory	ENTITY-02 InforQuote	ORD305FM-SCR001
ORD305FM-SCR001 Order Inventory	ENTITY-03 InforCustomerPartyMaster (sales order customer)	Customer (LCUS)
ORD306FM-SCR001 Order Tax, Currency, Payment	ENTITY-01 InforSalesOrder	Customer Order (LCOR)
ORD306FM-SCR001 Order Tax, Currency, Payment	ENTITY-02 InforQuote	ORD306FM-SCR001

Screen, page, or form	Entity	Drillback destination
ORD306FM-SCR001 Order Tax, Currency, Payment	ENTITY-03 InforCustomerPartyMaster (sales order customer)	Customer (LCUS)
ORD307FM-SCR001 Line Operational Detail	ENTITY-01 InforSalesOrder	Customer Order (LCOR)
ORD307FM-SCR001 Line Operational Detail	ENTITY-02 InforSalesOrderLine	Customer Order Line Item (LCORLNE)
ORD307FM-SCR001 Line Operational Detail	ENTITY-03 InforQuote	ORD300F2-SCR001
ORD307FM-SCR001 Line Operational Detail	ENTITY-04 InforQuoteLine	ORD307FM-SCR001
ORD307FM-SCR001 Line Operational Detail	ENTITY-05 InforItemMaster	Enterprise Item (LITM)
ORD307FM-SCR003 Line Financial Detail	ENTITY-01 InforSalesOrder	Customer Order (LCOR)
ORD307FM-SCR003 Line Financial Detail	ENTITY-02 InforQuote	ORD300F2-SCR001
ORD307FM-SCR003 Line Financial Detail	ENTITY-03 InforSalesOrderLine	Customer Order Line Item (LCORLNE)
ORD307FM-SCR003 Line Financial Detail	ENTITY-04 InforQuoteLine	ORD307FM-SCR003
ORD307FM-SCR003 Line Financial Detail	ENTITY-05 InforItemMaster	Enterprise Item (LITM)
ORD307FM-SCR004 Order Line Lean Detail	ENTITY-01 InforSalesOrder	Customer Order (LCOR)
ORD307FM-SCR004 Order Line Lean Detail	ENTITY-02 InforSalesOrderLine	Customer Order Line Item (LCORLNE)
ORD307FM-SCR004 Order Line Lean Detail	ENTITY-03 InforItemMaster	Enterprise Item (LITM)
ORD307FM-SCR005 Line Shipping Detail	ENTITY-01 InforSalesOrder	Customer Order (LCOR)
ORD307FM-SCR005 Line Shipping Detail	ENTITY-02 InforSalesOrderLine	Customer Order Line Item (LCORLNE)
ORD307FM-SCR005 Line Shipping Detail	ENTITY-03 InforItemMaster	Enterprise Item (LITM)

Screen, page, or form	Entity	Drillback destination
ORD307FM-SCR006 Line Pricing Detail	ENTITY-01 InforSalesOrder	Customer Order (LCOR)
ORD307FM-SCR006 Line Pricing Detail	ENTITY-02 InforQuote	ORD300F2-SCR001
ORD307FM-SCR006 Line Pricing Detail	ENTITY-03 InforSalesOrderLine	Customer Order Line Item (LCORLNE)
ORD307FM-SCR006 Line Pricing Detail	ENTITY-04 InforQuoteLine	ORD307FM-SCR006
ORD307FM-SCR006 Line Pricing Detail	ENTITY-05 InforItemMaster	Enterprise Item (LITM)
ORD309FM-SCR001 Order Total Promotions	ENTITY-01 InforSalesOrder	Customer Order (LCOR)
ORD309FM-SCR001 Order Total Promotions	ENTITY-02 InforQuote	ORD309FM-SCR001
ORD550F2-SCR001 Pick Release by Line	ENTITY-01 InforLocation	Warehouse (LWHS)
ORD550F2-SCR003 Pick Release Spread Pick Quantity	ENTITY-01 InforSalesOrder	Customer Order (LCOR)
ORD550F2-SCR003 Pick Release Spread Pick Quantity	ENTITY-02 InforItemMaster	Enterprise Item (LITM)
ORD550F2-SCR004 Pick Release Spread Pick Quantity	ENTITY-01 InforLocation	Warehouse (LWHS)
ORD550F3-SCR001 Pick Release by Order	ENTITY-01 InforLocation	Warehouse (LWHS)
ORD570F2-SCR001 Pick Confirm by Line	ENTITY-01 InforLocation	Warehouse (LWHS)
ORD570F3-SCR001 Pick Confirm by Order	ENTITY-01 InforLocation	Warehouse (LWHS)
ORD570F5-SCR001 Inventory Confirmation	ENTITY-01 InforLocation	Warehouse (LWHS)
ORD570F6-SCR001 Inventory Confirmation Detail	ENTITY-01 InforSalesOrder	Customer Order (LCOR)
ORD570F6-SCR001 Inventory Confirmation Detail	ENTITY-02 InforSalesOrderLine	Customer Order Line Item (LCORLNE)
ORD570F6-SCR001 Inventory Confirmation Detail	ENTITY-03 InforItemMaster	Enterprise Item (LITM)

Screen, page, or form	Entity	Drillback destination
ORD570F6-SCR001 Inventory Confirmation Detail	ENTITY-04 InforLocation	Warehouse (LWHS)
ORD570F7-SCR001 Pick Confirm by Pick Number	ENTITY-01 InforLocation	Warehouse (LWHS)
ORD573F2-SCR001 Pick/Ship Confirm by Line	ENTITY-01 InforLocation	Warehouse (LWHS)
ORD700F2-SCR001 Order Maintenance	ENTITY-01 InforCustomerPartyMaster	Customer (LCUS)
ORD700F2-SCR001 Order Maintenance	ENTITY-02 InforSalesOrder	Customer Order (LCOR)
ORD700F2-SCR001 Order Maintenance	ENTITY-03 InforQuote	ORD300F2-SCR001
ORD700F2-SCR001 Order Maintenance	ENTITY-04 InforLocation (header warehouse)	Warehouse (LWHS)
ORD700F2-SCR001S1 Order Maintenance	ENTITY-05 InforLocation (line warehouse)	Warehouse (LWHS)
ORD700F2-SCR001S1 Order Maintenance	ENTITY-06 InforItemMaster	Enterprise Item (LITM)
ORD700F2-SCR001S1 Order Maintenance	ENTITY-07 InforPerson	Sales Representative (SLR)
ORD700F3-SCR001 Order Line Quantity Detail	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
ORD700F3-SCR001 Order Line Quantity Detail	ENTITY-02 InforCustomerPartyMaster	Customer (LCUS)
ORD700F3-SCR001 Order Line Quantity Detail	ENTITY-03 InforLocation	Warehouse (LWHS)
ORD700F3-SCR001 Order Line Quantity Detail	ENTITY-04 InforSalesOrder	Customer Order (LCOR)
ORD700F3-SCR001 Order Line Quantity Detail	ENTITY-05 InforSalesOrderLine	Customer Order Line Item (LCORLNE)
ORD700F3-SCR001 Order Line Quantity Detail	ENTITY-06 InforQuote	ORD300F2-SCR001
ORD700F3-SCR001 Order Line Quantity Detail	ENTITY-07 InforQuoteLine	ORD307FM-SCR001
ORD700F3-SCR003 Line Financial Detail	ENTITY-01 InforCustomerPartyMaster	Customer (LCUS)

Screen, page, or form	Entity	Drillback destination
ORD700F3-SCR003 Line Financial Detail	ENTITY-02 InforSalesOrder	Customer Order (LCOR)
ORD700F3-SCR003 Line Financial Detail	ENTITY-03 InforSalesOrderLine	Customer Order Line Item (LCORLNE)
ORD700F3-SCR003 Line Financial Detail	ENTITY-04 InforQuote	ORD300F2-SCR001
ORD700F3-SCR003 Line Financial Detail	ENTITY-05 InforQuoteLine	ORD307FM-SCR006
ORD700F3-SCR003 Line Financial Detail	ENTITY-06 InforItemMaster	Enterprise Item (LITM)
ORD700F3-SCR003 Line Financial Detail	ENTITY-07 InforLocation	Warehouse (LWHS)
ORD700F3-SCR004 Order Line Inventory	ENTITY-01 InforCustomerPartyMaster	Customer (LCUS)
ORD700F3-SCR004 Order Line Inventory	ENTITY-02 InforSalesOrder	Customer Order (LCOR)
ORD700F3-SCR004 Order Line Inventory	ENTITY-03 InforSalesOrderLine	Customer Order Line Item (LCORLNE)
ORD700F3-SCR004 Order Line Inventory	ENTITY-04 InforQuote	ORD300F2-SCR001
ORD700F3-SCR004 Order Line Inventory	ENTITY-05 InforQuoteLine	ORD307FM-SCR001
ORD700F3-SCR004 Order Line Inventory	ENTITY-06 InforItemMaster	Enterprise Item (LITM)
ORD700F3-SCR004 Order Line Inventory	ENTITY-07 InforLocation	Warehouse (LWHS)
ORD700F3-SCR005 Order Line Dates	ENTITY-01 InforCustomerPartyMaster	Customer (LCUS)
ORD700F3-SCR005 Order Line Dates	ENTITY-02 InforSalesOrder	Customer Order (LCOR)
ORD700F3-SCR005 Order Line Dates	ENTITY-03 InforSalesOrderLine	Customer Order Line Item (LCORLNE)
ORD700F3-SCR005 Order Line Dates	ENTITY-04 InforQuote	ORD300F2-SCR001
ORD700F3-SCR005 Order Line Dates	ENTITY-05 InforQuoteLine	ORD307FM-SCR001
ORD700F3-SCR005 Order Line Dates	ENTITY-06 InforItemMaster	Enterprise Item (LITM)
ORD700F3-SCR005 Order Line Dates	ENTITY-07 InforLocation	Warehouse (LWHS)

Screen, page, or form	Entity	Drillback destination
ORD700F3-SCR006 Order Line Shipping	ENTITY-01 InforCustomerPartyMaster	Customer (LCUS)
ORD700F3-SCR006 Order Line Shipping	ENTITY-02 InforSalesOrder	Customer Order (LCOR)
ORD700F3-SCR006 Order Line Shipping	ENTITY-03 InforSalesOrderLine	Customer Order Line Item (LCORLNE)
ORD700F3-SCR006 Order Line Shipping	ENTITY-04 InforQuote	ORD300F2-SCR001
ORD700F3-SCR006 Order Line Shipping	ENTITY-05 InforQuoteLine	ORD307FM-SCR001
ORD700F3-SCR006 Order Line Shipping	ENTITY-06 InforItemMaster	Enterprise Item (LITM)
ORD700F3-SCR006 Order Line Shipping	ENTITY-07 InforLocation	Warehouse (LWHS)
ORD700F6-SCR001 Additional Shipping Information	ENTITY-01 InforCustomerPartyMaster	Customer (LCUS)
ORD700F6-SCR001 Additional Shipping Information	ENTITY-02 InforSalesOrder	Customer Order (LCOR)
ORD700F9-SCR001 Shipping Information	ENTITY-01 InforCustomerPartyMaster	Customer (LCUS)
ORD700F9-SCR001 Shipping Information	ENTITY-02 InforSalesOrder	Customer Order (LCOR)
ORD700F9-SCR001 Shipping Information	ENTITY-03 InforQuote	ORD302FM-SCR001
ORD700F9-SCR001 Shipping Information	ENTITY-04 InforLocation	Warehouse (LWHS)
ORD700F9-SCR002 Pricing, Sales, Commission	ENTITY-01 InforCustomerPartyMaster	Customer (LCUS)
ORD700F9-SCR002 Pricing, Sales, Commission	ENTITY-02 InforSalesOrder	Customer Order (LCOR)
ORD700F9-SCR002 Pricing, Sales, Commission	ENTITY-03 InforQuote	ORD303FM-SCR001
ORD700F9-SCR002 Pricing, Sales, Commission	ENTITY-04 InforLocation	Warehouse (LWHS)
ORD700F9-SCR003 Billing and Financial	ENTITY-01 InforCustomerPartyMaster	Customer (LCUS)

Screen, page, or form	Entity	Drillback destination
ORD700F9-SCR003 Billing and Financial	ENTITY-02 InforSalesOrder	Customer Order (LCOR)
ORD700F9-SCR003 Billing and Financial	ENTITY-03 InforQuote	ORD304FM-SCR001
ORD700F9-SCR003 Billing and Financial	ENTITY-04 InforLocation	Warehouse (LWHS)
ORD700F9-SCR004 Inventory Information	ENTITY-01 InforSalesOrder	Customer Order (LCOR)
ORD700F9-SCR004 Inventory Information	ENTITY-02 InforQuote	ORD305FM-SCR001
ORD700F9-SCR004 Inventory Information	ENTITY-03 InforLocation	Warehouse (LWHS)
ORD700F9-SCR005 Tax, Currency, Payment	ENTITY-01 InforCustomerPartyMaster	Customer (LCUS)
ORD700F9-SCR005 Tax, Currency, Payment	ENTITY-02 InforSalesOrder	Customer Order (LCOR)
ORD700F9-SCR005 Tax, Currency, Payment	ENTITY-03 InforQuote	ORD306FM-SCR001
ORD700F9-SCR005 Tax, Currency, Payment	ENTITY-04 InforLocation	Warehouse (LWHS)
ORD700FA-SCR001 Fast Line Entry	ENTITY-01 InforCustomerPartyMaster	Customer (LCUS)
ORD700FA-SCR001S1	ENTITY-02 InforItemMaster	Enterprise Item (LITM)
ORD700FA-SCR001S1	ENTITY-03 InforLocation	Warehouse (LWHS)
PUR100F2-SCR001 Vendor Maintenance – Address	ENTITY-01 InforSupplierPartyMaster	Vendor (LVND)
PUR100F2-SCR002 Vendor Maintenance – Purchasing Address	ENTITY-01 InforSupplierPartyMaster	Vendor (LVND)
PUR100F2-SCR003 Vendor Maintenance – Definition	ENTITY-01 InforSupplierPartyMaster	Vendor (LVND)
PUR500F2-SCR001S1 Purchase Order Mass Creation - Subfile	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
PUR500F2-SCR001S1 Purchase Order Mass Creation - Subfile	ENTITY-02 InforLocation	Facility (LFAC)
PUR500F2-SCR001S1 Purchase Order Mass Creation - Subfile	ENTITY-03 InforSupplierPartyMaster	Vendor (LVND)

Screen, page, or form	Entity	Drillback destination
PUR500F2-SCR001S1 Purchase Order Mass Creation - Subfile	ENTITY-04 InforItemMaster	Enterprise Item (LITM)
PUR500F2-SCR001S1 Purchase Order Mass Creation - Subfile	ENTITY-05 InforLocation	Facility (LFAC)
PUR500F2-SCR001S1 Purchase Order Mass Creation - Subfile	ENTITY-06 InforSupplierPartyMaster	Vendor (LVND)
PUR500F3-SCR001 Purchase Order Header Maintenance	ENTITY-01 InforSupplierPartyMaster	Vendor (LVND)
PUR500F3-SCR001 Purchase Order Header Maintenance	ENTITY-02 InforLocation (warehouse)	Warehouse (LWHS)
PUR500F3-SCR001 Purchase Order Header Maintenance	ENTITY-03 InforLocation (facility)	Facility (LFAC)
PUR500F3-SCR001 Purchase Order Header Maintenance	ENTITY-04 InforPurchaseOrder	Purchase Order (LPOR)
PUR500F3-SCR001 Purchase Order Header Maintenance	ENTITY-05 InforRequisition	Purchase Requisition (PRQ)
PUR500F3-SCR002 Purchase Order Line Maintenance	ENTITY-01 InforPurchaseOrder	Purchase Order (LPOR)
PUR500F3-SCR002 Purchase Order Line Maintenance	ENTITY-02 InforRequisition	Purchase Requisition (PRQ)
PUR500F3-SCR002 Purchase Order Line Maintenance	ENTITY-03 InforSupplierPartyMaster	Vendor (LVND)
PUR500F3-SCR002 Purchase Order Line Maintenance	ENTITY-04 InforLocation (warehouse)	Warehouse (LWHS)
PUR500F3-SCR002 Purchase Order Line Maintenance	ENTITY-05 InforLocation (facility)	Facility (LFAC)
PUR500F3-SCR002S1 Purchase Order Line Maintenance - Subfile	ENTITY-06 InforItemMaster	Enterprise Item (LITM)
PUR500F3-SCR003 Purchase Order Line Maintenance	ENTITY-01 InforPurchaseOrder	Purchase Order (LPOR)
PUR500F3-SCR003 Purchase Order Line Maintenance	ENTITY-02 InforRequisition	Purchase Requisition (PRQ)
PUR500F3-SCR003 Purchase Order Line Maintenance	ENTITY-03 InforSupplierPartyMaster	Vendor (LVND)
PUR500F3-SCR003 Purchase Order Line Maintenance	ENTITY-04 InforLocation (header warehouse)	Warehouse (LWHS)

Screen, page, or form	Entity	Drillback destination
PUR500F3-SCR003 Purchase Order Line Maintenance	ENTITY-05 InforLocation (header facility)	Facility (LFAC)
PUR500F3-SCR003S1 Purchase Order Line Maintenance - Subfile	ENTITY-06 InforItemMaster	Enterprise Item (LITM)
PUR500F3-SCR003S1 Purchase Order Line Maintenance - Subfile	ENTITY-07 InforLocation (line facility)	Facility (LFAC)
PUR500F3-SCR003S1 Purchase Order Line Maintenance - Subfile	ENTITY-08 InforLocation (line warehouse)	Warehouse (LWHS)
PUR500F3-SCR004S1 Line Splitting Maintenance - Subfile	ENTITY-02 InforItemMaster	Enterprise Item (LITM)
PUR500F3X-SCRX01 Purchase Order Header Maintenance 27x132	ENTITY-01 InforSupplierPartyMaster	Vendor (LVND)
PUR500F3X-SCRX01 Purchase Order Header Maintenance 27x132	ENTITY-02 InforPurchaseOrder	Purchase Order (LPOR)
PUR500F3X-SCRX01 Purchase Order Header Maintenance 27x132	ENTITY-03 InforRequisition	Purchase Requisition (PRQ)
PUR500F3X-SCRX01 Purchase Order Header Maintenance 27x132	ENTITY-04 InforLocation (warehouse)	Warehouse (LWHS)
PUR500F3X-SCRX01 Purchase Order Header Maintenance 27x132	ENTITY-05 InforLocation (facility)	Facility (LFAC)
PUR500F3X-SCRX02 Purchase Order Line Maintenance 27x132	ENTITY-01 InforPurchaseOrder	Purchase Order (LPOR)
PUR500F3X-SCRX02 Purchase Order Line Maintenance 27x132	ENTITY-02 InforRequisition	Purchase Requisition (PRQ)
PUR500F3X-SCRX02 Purchase Order Line Maintenance 27x132	ENTITY-03 InforSupplierPartyMaster	Vendor (LVND)
PUR500F3X-SCRX02 Purchase Order Line Maintenance 27x132	ENTITY-04 InforLocation (facility)	Facility (LFAC)
PUR500F3X-SCRX02 Purchase Order Line Maintenance 27x132	ENTITY-05 InforLocation (warehouse)	Warehouse (LWHS)
PUR500F3X-SCRX02S1 Purchase Order Line Maintenance – Subfile 27x132	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
PUR500F3X-SCRX03 Purchase Order Line Maintenance 27x132	ENTITY-01 InforPurchaseOrder	Purchase Order (LPOR)

Screen, page, or form	Entity	Drillback destination
PUR500F3X-SCRX03 Purchase Order Line Maintenance 27x132	ENTITY-02 InforRequisition	Purchase Requisition (PRQ)
PUR500F3X-SCRX03 Purchase Order Line Maintenance 27x132	ENTITY-03 InforSupplierPartyMaster	Vendor (LVND)
PUR500F3X-SCRX03 Purchase Order Line Maintenance 27x132	ENTITY-04 InforLocation (warehouse)	Warehouse (LWHS)
PUR500F3X-SCRX03 Purchase Order Line Maintenance 27x132	ENTITY-05 InforLocation (facility)	Facility (LFAC)
PUR500F3X-SCRX03S1 Purchase Order Line Maintenance - Subfile 27x132	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
PUR500F3X-SCRX03S1 Purchase Order Line Maintenance - Subfile 27x132	ENTITY-02 InforLocation (facility)	Facility (LFAC)
PUR500F3X-SCRX03S1 Purchase Order Line Maintenance - Subfile 27x132	ENTITY-03 InforLocation (warehouse)	Warehouse (LWHS)
PUR500F3X-SCRX04S1 Purchase Order Line Maintenance - Subfile 27x132	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
PUR500F4-SCR001 Purchase Order Line Detail Maintenance	ENTITY-01 InforPurchaseOrderLine	Purchase Order Line (PORLNE)
PUR500F4-SCR001 Purchase Order Line Detail Maintenance	ENTITY-02 InforRequisitionLine	Purchase Requisition Line (PRQLNE)
PUR500F4-SCR001 Purchase Order Line Detail Maintenance	ENTITY-03 InforPurchaseOrder	Purchase Order (LPOR)
PUR500F4-SCR001 Purchase Order Line Detail Maintenance	ENTITY-04 InforRequisition	Purchase Requisition (PRQ)
PUR500F4-SCR001 Purchase Order Line Detail Maintenance	ENTITY-05 InforSupplierPartyMaster	Vendor (LVND)
PUR500F4-SCR001 Purchase Order Line Detail Maintenance	ENTITY-06 InforLocation (warehouse)	Warehouse (LWHS)
PUR500F4-SCR001 Purchase Order Line Detail Maintenance	ENTITY-07 InforLocation (facility)	Facility (LFAC)
PUR500F4-SCR001 Purchase Order Line Detail Maintenance	ENTITY-08 InforItemMaster	Enterprise Item (LITM)

Screen, page, or form	Entity	Drillback destination
PUR500F5-SCR001 Purchase Order Line Maintenance – Special Charge	ENTITY-01 InforPurchaseOrderLine	Purchase Order Line (PORLNE)
PUR500F5-SCR001 Purchase Order Line Maintenance – Special Charge	ENTITY-02 InforRequisitionLine	Purchase Requisition Line (PRQLNE)
PUR500F5-SCR001 Purchase Order Line Maintenance – Special Charge	ENTITY-03 InforPurchaseOrder	Purchase Order (LPOR)
PUR500F5-SCR001 Purchase Order Line Maintenance – Special Charge	ENTITY-04 InforRequisition	Purchase Requisition (PRQ)
PUR500F5-SCR001 Purchase Order Line Maintenance – Special Charge	ENTITY-05 InforLocation	Warehouse (LWHS)
PUR500F6-SCR001 Purchase Order Line Maintenance – Ship To	ENTITY-01 InforPurchaseOrderLine	Purchase Order Line (PORLNE)
PUR500F6-SCR001 Purchase Order Line Maintenance – Ship To	ENTITY-02 InforRequisitionLine	Purchase Requisition Line (PRQLNE)
PUR500F6-SCR001 Purchase Order Line Maintenance – Ship To	ENTITY-03 InforPurchaseOrder	Purchase Order (LPOR)
PUR500F6-SCR001 Purchase Order Line Maintenance – Ship To	ENTITY-04 InforRequisition	Purchase Requisition (PRQ)
PUR550F2-SCR001 Purchase Order Receipts	ENTITY-03 InforSupplierPartyMaster	Vendor (LVND)
PUR550F2-SCR001 Purchase Order Receipts	ENTITY-04 InforPurchaseOrder	Purchase Order (LPOR)
PUR550F2-SCR003 Purchase Order Receipts Line Detail	ENTITY-01 InforSupplierPartyMaster	Vendor (LVND)
PUR550F2-SCR003 Purchase Order Receipts Line Detail	ENTITY-02 InforPurchaseOrder	Purchase Order (LPOR)
PUR550F2-SCR003 Purchase Order Receipts Line Detail	ENTITY-03 InforPurchaseOrderLine	Purchase Order Line (PORLNE)
PUR550F2-SCR003 Purchase Order Receipts Line Detail	ENTITY-04 InforItemMaster	Enterprise Item (LITM)
PUR550F2-SCR003 Purchase Order Receipts Line Detail	ENTITY-05 InforLocation	Warehouse (LWHS)
PUR550F2X-SCRX01 Purchase Order Line Maintenance – Ship To 27x132	ENTITY-03 InforSupplierPartyMaster	Vendor (LVND)

Screen, page, or form	Entity	Drillback destination
PUR550F2X-SCRX01 Purchase Order Line Maintenance – Ship To 27x132	ENTITY-04 InforPurchaseOrder	Purchase Order (LPOR)
PUR550F2X-SCRX03 Purchase Order Receipts Line Detail 27x132	ENTITY-01 InforSupplierPartyMaster	Vendor (LVND)
PUR550F2X-SCRX03 Purchase Order Receipts Line Detail 27x132	ENTITY-02 InforPurchaseOrder	Purchase Order (LPOR)
PUR550F2X-SCRX03 Purchase Order Receipts Line Detail 27x132	ENTITY-03 InforPurchaseOrderLine	Purchase Order Line (PORLNE)
PUR550F2X-SCRX03 Purchase Order Receipts Line Detail 27x132	ENTITY-04 InforItemMaster	Enterprise Item (LITM)
PUR550F2X-SCRX03 Purchase Order Receipts Line Detail 27x132	ENTITY-05 InforLocation	Warehouse (LWHS)
PUR550F3-SCR001 Mass Container Entry	ENTITY-01 InforPurchaseOrder	Purchase Order (LPOR)
PUR550F3-SCR001 Mass Container Entry	ENTITY-02 InforItemMaster	Enterprise Item (LITM)
PUR550F3-SCR001 Mass Container Entry	ENTITY-03 InforLocation	Warehouse (LWHS)
PUR550F4-SCR001 Purchase Order Receipts Packaging Items	ENTITY-01 InforPurchaseOrder	Purchase Order (LPOR)
PUR550F4-SCR001 Purchase Order Receipts Packaging Items	ENTITY-02 InforPurchaseOrderLine	Purchase Order Line (PORLNE)
PUR550F4-SCR001 Purchase Order Receipts Packaging Items	ENTITY-03 InforItemMaster	Enterprise Item (LITM)
PUR550F4-SCR001 Purchase Order Receipts Packaging Items	ENTITY-04 InforLocation	Warehouse (LWHS)
PUR550F4-SCR002 Create Packaging Line	ENTITY-01 InforItemMaster	Enterprise Item (LITM)
SAL100F2-SCR001 Salesperson Master Maintenance	ENTITY-01 InforPerson	Sales Representative (SLR)
SFC100F2-SCR001 Routing Selection	ENTITY-01 InforBillofResources	Routing (LRTG)
SFC100F2-SCR003 Routing Maintenance	ENTITY-01 InforBillofResources	Routing Operation (LRTGOPR)
SFC100F2-SCR004 Routing Maintenance	ENTITY-01 InforBillofResources	Routing Operation (LRTGOPR)

Screen, page, or form	Entity	Drillback destination
SFC500F2-SCR001 Shop Order Header Maintenance	ENTITY-01 InforProductionOrder	Shop Order (LSOR)
SFC500F2-SCR001 Shop Order Header Maintenance	ENTITY-02 InforItemMaster	Enterprise Item (LITM)
SFC500F2-SCR001 Shop Order Header Maintenance	ENTITY-03 InforLocation (facility)	Facility (LFAC)
SFC500F2-SCR001 Shop Order Header Maintenance	ENTITY-04 InforLocation (warehouse)	Warehouse (LWHS)
SFC500F2-SCR001 Shop Order Header Maintenance	ENTITY-05 InforBillofMaterials	Enterprise Item (LITM)
SFC500F2-SCR001 Shop Order Header Maintenance	ENTITY-06 InforBillofResources	Routing (LRTG)
SFC500F3-SCR001 Shop Order Material Detail Lines	ENTITY-01 InforProductionOrder	Shop Order (LSOR)
SFC500F3-SCR001 Shop Order Material Detail Lines	ENTITY-02 InforItemMaster	Enterprise Item (LITM)
SFC500F3-SCR001 Shop Order Material Detail Lines	ENTITY-03 InforLocation	Facility (LFAC)
SFC500F3-SCR001 Shop Order Material Detail Lines	ENTITY-04 InforBillofMaterials	Enterprise Item (LITM)
SFC500F3-SCR001 Shop Order Material Detail Lines	ENTITY-05 InforBillofResources	Routing (LRTG)
SFC500F3-SCR002 Shop Order Operation Detail Lines	ENTITY-01 InforProductionOrder	Shop Order (LSOR)
SFC500F3-SCR002 Shop Order Operation Detail Lines	ENTITY-02 InforItemMaster	Enterprise Item (LITM)
SFC500F3-SCR002 Shop Order Operation Detail Lines	ENTITY-03 InforLocation	Facility (LFAC)
SFC500F3-SCR002 Shop Order Operation Detail Lines	ENTITY-04 InforBillofMaterials	Enterprise Item (LITM)
SFC500F3-SCR002 Shop Order Operation Detail Lines	ENTITY-05 InforBillofResources	Routing (LRTG)
SFC500F3-SCR003 Shop Order Material Detail Maintenance	ENTITY-01 InforProductionOrder (header)	Shop Order (LSOR)
SFC500F3-SCR003 Shop Order Material Detail Maintenance	ENTITY-02 InforProductionOrder (line)	Shop Order Line (SORLNE)

Screen, page, or form	Entity	Drillback destination
SFC500F3-SCR003 Shop Order Material Detail Maintenance	ENTITY-03 InforItemMaster	Enterprise Item (LITM)
SFC500F3-SCR003 Shop Order Material Detail Maintenance	ENTITY-04 InforLocation	Facility (LFAC)
SFC500F3-SCR003 Shop Order Material Detail Maintenance	ENTITY-05 InforBillofMaterials	Enterprise Item (LITM)
SFC500F3-SCR003 Shop Order Material Detail Maintenance	ENTITY-06 InforBillofResources	Routing (LRTG)
SFC500F3-SCR004 Shop Order Operation Detail Maintenance	ENTITY-01 InforProductionOrder	Shop Order (LSOR)
SFC500F3-SCR004 Shop Order Operation Detail Maintenance	ENTITY-02 InforItemMaster	Enterprise Item (LITM)
SFC500F3-SCR004 Shop Order Operation Detail Maintenance	ENTITY-03 InforLocation	Facility (LFAC)
SFC500F3-SCR004 Shop Order Operation Detail Maintenance	ENTITY-04 InforBillofMaterials	Enterprise Item (LITM)
SFC500F3-SCR004 Shop Order Operation Detail Maintenance	ENTITY-05 InforBillofResources	Routing (LRTG)
SFC500F3-SCR004 Shop Order Operation Detail Maintenance	ENTITY-06 InforProductionOperation	Shop Order Operation (LSOROPR)
SFC600F3-SCR001 Shop Order Labor Reporting - Backflush	ENTITY-01 InforProductionOrder	Shop Order (LSOR)
SFC600F3-SCR001 Shop Order Labor Reporting - Backflush	ENTITY-02 InforItemMaster	Enterprise Item (LITM)
SFC600F3-SCR001 Shop Order Labor Reporting - Backflush	ENTITY-03 InforLocation	Facility (LFAC)
SFC600F3-SCR001 Shop Order Labor Reporting - Backflush	ENTITY-04 InforBillofMaterials	Enterprise Item (LITM)
SFC600F3-SCR001 Shop Order Labor Reporting - Backflush	ENTITY-05 InforBillofResources	Routing (LRTG)
SFC600F3-SCR002 Shop Order Operation Detail Maintenance	ENTITY-01 InforProductionOrder	Shop Order (LSOR)
SFC600F3-SCR002 Shop Order Operation Detail Maintenance	ENTITY-02 InforProductionOperation	Shop Order Operation (LSOROPR)
SFC600F3-SCR002 Shop Order Operation Detail Maintenance	ENTITY-03 InforItemMaster	Enterprise Item (LITM)

Screen, page, or form	Entity	Drillback destination
SFC600F3-SCR002 Shop Order Operation Detail Maintenance	ENTITY-04 InforLocation	Facility (LFAC)
SFC600F3-SCR002 Shop Order Operation Detail Maintenance	ENTITY-05 InforBillofMaterials	Enterprise Item (LITM)
SFC600F3-SCR002 Shop Order Operation Detail Maintenance	ENTITY-06 InforBillofResources	Routing (LRTG)
SFC650F3-SCR001 Shop Order Production Reporting - Employee	ENTITY-01 InforProductionOrder	Shop Order (LSOR)
SFC650F3-SCR001 Shop Order Production Reporting - Employee	ENTITY-02 InforProductionOperation	Shop Order Operation (LSOROPR)
SFC650F3-SCR001 Shop Order Production Reporting - Employee	ENTITY-03 InforItemMaster	Enterprise Item (LITM)
SFC650F3-SCR002 Shop Order Production Reporting - Employee Detail	ENTITY-01 InforProductionOrder	Shop Order (LSOR)
SFC650F3-SCR002 Shop Order Production Reporting - Employee Detail	ENTITY-02 InforProductionOperation	Shop Order Operation (LSOROPR)
SFC650F3-SCR002 Shop Order Production Reporting - Employee Detail	ENTITY-03 InforItemMaster	Enterprise Item (LITM)
SFC650F4-SCR001 Shop Order Production Reporting - Lot	ENTITY-01 InforProductionOrder	Shop Order (LSOR)
SFC650F4-SCR001 Shop Order Production Reporting - Lot	ENTITY-02 InforProductionOperation	Shop Order Operation (LSOROPR)
SFC650F4-SCR001 Shop Order Production Reporting - Lot	ENTITY-03 InforItemMaster	Enterprise Item (LITM)
SFC650F4-SCR002 Shop Order Production Reporting - Lot Detail	ENTITY-01 InforProductionOrder	Shop Order (LSOR)
SFC650F4-SCR002 Shop Order Production Reporting - Lot Detail	ENTITY-02 InforProductionOperation	Shop Order Operation (LSOROPR)
SFC650F4-SCR002 Shop Order Production Reporting - Lot Detail	ENTITY-03 InforItemMaster	Enterprise Item (LITM)
SFC650F4-SCR002 Shop Order Production Reporting - Lot Detail	ENTITY-04 InforLocation	Warehouse (LWHS)
SFC650F4-SCR003 Parent Container Entry	ENTITY-01 InforProductionOrder	Shop Order (LSOR)

Screen, page, or form	Entity	Drillback destination
SFC650F4-SCR003 Parent Container Entry	ENTITY-02 InforProductionOperation	Shop Order Operation (LSOROPR)
SFC650F4-SCR003 Parent Container Entry	ENTITY-03 InforItemMaster	Enterprise Item (LITM)
SFC650F4-SCR004 Parent Container Entry Detail	ENTITY-01 InforProductionOrder	Shop Order (LSOR)
SFC650F4-SCR004 Parent Container Entry Detail	ENTITY-02 InforProductionOperation	Shop Order Operation (LSOROPR)
SFC650F4-SCR004 Parent Container Entry Detail	ENTITY-03 InforItemMaster	Enterprise Item (LITM)
SFC650F4-SCR004 Parent Container Entry Detail	ENTITY-04 InforLocation	Warehouse (LWHS)
SFC650F5-SCR001 Shop Order Production Reporting - Backflush	ENTITY-01 InforProductionOrder	Shop Order (LSOR)
SFC650F5-SCR001 Shop Order Production Reporting - Backflush	ENTITY-02 InforProductionOperation	Shop Order Operation (LSOROPR)
SFC650F5-SCR001 Shop Order Production Reporting - Backflush	ENTITY-03 InforItemMaster	Enterprise Item (LITM)
SFC650F5-SCR002 Shop Order Production Reporting - Backflush Detail	ENTITY-01 InforProductionOrder	Shop Order (LSOR)
SFC650F5-SCR002 Shop Order Production Reporting - Backflush Detail	ENTITY-02 InforProductionOperation	Shop Order Operation (LSOROPR)
SFC650F5-SCR002 Shop Order Production Reporting - Backflush Detail	ENTITY-03 InforItemMaster	Enterprise Item (LITM)
SYS190F2-SCR001 Facility Code Maintenance - Address	ENTITY-01 InforLocation	Facility (LFAC)
SYS190F2-SCR002 Facility Code Maintenance - Definition	ENTITY-01 InforLocation	Facility (LFAC)
SYS190F2-SCR003 Facility Code Maintenance – LMP Parameters	ENTITY-01 InforLocation	Facility (LFAC)
SYS600F2-SCR001 Security Master Maintenance – Product	ENTITY-01 InforPerson	SYS600F2-SCR001
SYS600F2-SCR002 Security Master Maintenance - Program	ENTITY-01 InforPerson	SYS600F2-SCR002

Screen, page, or form	Entity	Drillback destination
SYS600F2-SCR003 Security Master Maintenance - Warehouse	ENTITY-01 InforPerson	SYS600F2-SCR003
SYS600F2-SCR004 Security Master Maintenance – Facility	ENTITY-01 InforPerson	SYS600F2-SCR004
SYS600F2-SCR005 Security Master Maintenance - Company Number	ENTITY-01 InforPerson	SYS600F2-SCR005
SYS600F2-SCR006 Security Master Maintenance – Transaction Effect	ENTITY-01 InforPerson	SYS600F2-SCR006

BOD-based drillbacks

This table shows the drillbacks and their associated drillback destinations.

BOD	Drillback destination
AccountingBookDefinition (if published by EGLi)	Ledger Book (ILDGBOK) via Published Accounting Book Definition (PLBK)
AccountingChart (if published by EGLi)	Chart of Accounts (ICOA) via Published Accounting Chart (ACCHA)
AccountingEntity (if published by EGLi)	Ledger Book (ILDGBOK) via Published Accounting Entity (PAET)
ChartOfAccounts (if published by EGLi)	Account Segment Value (IACTSEV) via Published Chart of Accounts (PCHA)
CodeDefinition – Segment Value (if published by EGLi)	Account Segment Value (IACTSEV) via Published Code File Definition (PUBCFD)
CustomerPartyMaster	Customer (LCUS)
CustomerReturn	Customer Order (LCOR)
ItemMaster	Enterprise Item (LITM)
Location (Facility)	SYS190F2-SCR001
Location (Company)	ACR120F2-SCR001
Location (Warehouse)	INV110F2-SCR001
Person (buyer)	INV111F2-SCR001
Person (planner)	INV111F2-SCR001
Person (salesperson)	SAL100F2-SCR001

BOD	Drillback destination
Person (user)	SYS600F2-SCR007
ProductionOrder (header)	Shop Order (LSOR)
ProductionOrder (line)	Shop Order Operation (LSOROPR)
PurchaseOrder (header)	Purchase Order (LPOR)
PurchaseOrder (line)	Purchase Order Line (PORLNE)
Requisition (header)	Purchase Requisition (PRQ)
Requisition (line)	Purchase Requisition Line (PRQLNE)
SalesOrder (header)	Customer Order (LCOR)
SalesOrder (line)	Customer Order Line Item (LCORLNE)
SourceSystemGLMovement (if published by EGLi)	Ledger Book Balance Summary (ILBBS) via Published Source System GL Movement (PSSM)
SourceSystemJournalEntry (if published by EGLi)	Financial Journal Entry (IGHH) via Published Source System Journal Entry (PLBS)
SupplierPartyMaster	Vendor (LVND)

Additional BOD-based drillbacks from workflow

While most usages of BOD-based drillbacks use a single pre-defined target screen, ION Workflow supports a means of identifying additional target screens for BOD-based drillbacks. The following additional BOD-based drillbacks are supported from ION Workflow.

BOD	Drillback View Name	Drillback Destination
SalesOrder	LXCreditHoldReleaseView	ORD580 filtering for identified customer (ID2) and type of hold (ID3), then selecting action 17=orders and positioning to identified sales order number (ID1)
SalesOrder	LXSalesOrderReviseView	ORD700 selecting action 2=Revise for identified sales order number (ID1)

Loading the BODs that are used in drillbacks

In order to use these drillbacks, you must perform an initial load of the BODs listed in "**Error! Reference source not found.**."

See Sending the initial data load on page 117.

Verifying a drillback

Drillbacks are displayed in Infor OS Portal or Ming.le as links. Each link opens a specific screen, filtered for specific results.

For an example of verifying a context sensitive drillback, from one of the screens listed in Context-sensitive drillbacks on page 126, click the Infor OS Portal or Ming.le Share icon and afterwards switch to your Infor OS Portal or Ming.le Activity Feed screen to see a post confirming that you shared something and within that post open and click a drilback link to verify that the appropriate screen is launched.

For an example of verifying a BOD-based drillback from one of the BODs listed in BOD-based drillbacks on page 153, create and activate a Monitor for that BOD with yourself in the distribution list, then perform an LX transaction that will send the BOD, then switch to the Infor OS Portal or Ming.le screen to find and open the Monitor's alert, then click that BOD’s drillback link to verify that the appropriate LX screen is launched.

Chapter 12 Configuring widgets/context apps and utility apps that are used with your application

On the right side of the Infor OS Portal or Ming.le page is a collapsible panel that hosts several Infor OS Portal or Ming.le context and utility applications.

Widgets/context apps are lightweight applications that communicate with the application frame to present contextual information to the user. These applications subscribe to information published by the application frame and display relevant content only when it is available. The values and content of the application depend on the current context that is shown in the product application panel in Infor OS Portal or Ming.le.

Utility apps are lightweight applications that show information unrelated to content in the application. They do not communicate with the application frame and, if activated, are shown when the application is open.

Understanding business context messages

A business context message is a JSON-formatted message that is sent from an LX screen, field or other user interface object to establish the current context. These messages can be used for many contextual purposes within Infor OS Portal or Ming.le, as well as for drillbacks.

LX uses business context messages to display online help and to determine the metrics and reports to display in the In-Context BI application when a certain LX screen is displayed. Metrics and reports can be created in Infor BI.

To find the business context message that is sent by a specific object, use the Infor OS Portal or Ming.le Context Viewer application. See the *Infor OS Portal or Ming.le User Guide*.

Supported business context messages

Address

inforBusinessContext

Widget/Context and utility applications that work with your application

These standard context and utility apps are available:

- Alerts
- Context Viewer
- Posts
- Tasks

For information about how to use the standard apps, see the Infor OS Portal or Ming.le online help.

These application -specific widgets/context apps are also available:

- IDF Contextual applications (Configurable as primary, secondary and tertiary)
- Related Information (available if Infor Document Management is installed)

Enabling a widget/context or utility app for your application

When you set up a context or utility app in Infor OS Ming.le, use the **Applications** tab to add the LX application and set it to **`Enabled`**.

To set up a Widget in Infor OS Portal Cloud, use the **Insight Group in the Smart Panel.**

Insight Group in Smart Panel

An insight is like a small widget page contained within the smart panel. A published workspace can have both private and public Insights. A public insight will be displayed for all users using the Portal, while the private insights will only be visible to the user who added it. An insight can also be published or embedded. Published means it will be available in the Insight Catalog and can be added as insights to other applications and by other users. An embedded insight will only be available within this workspace.

Infor OS Portal provides the ability to group a set of Widgets in the Smart Panel. These are groups called Insight Groups. It can display a predefined group of widgets associated with the current application.

If the option is not available, the feature has turned off. Contact your administrator for more information.

If an Insight Group is created with context widgets like “LX IDF Context” Widgets, then that Insight Group will belong to that specific LX application and will work only with that application.

The preferences selected for LX IDF Context Primary, Secondary or Tertiary will be the same on each insights group where the IDF widget(s) are added. The LX IDF Context preferences, whether selected as default on the business object or overridden in the LX IDF Context Primary, Secondary or Tertiary widget during runtime, are not unique to an insights area. The preferences apply to all insights areas for that user.

The LX IDF Context Widgets will be using the LX application specific logical Id to retrieve and display the data.

Administrator can create a publish Insight Group for a specific LX application and publish it for other users to re-use.

If you have multiple LX applications configured on Portal, Insight Group created for one LX application and published cannot be used for different LX applications.

If an Insight Group is created with non-context widgets like Tasks List, Bookmarks etc., then that Insight Group can be published and used by different LX applications.

Based on business need and type of data to be displayed in the Widgets in Insight Group, users can decide on using private or published Insight Groups and Widgets.

For more information on using Insight Groups, please refer to the *Infor OS Portal User Guide.*

IDF widget/contextual applications

The content of an inforBusinessContext (IBC) message is sectioned into entities with each entity of an identified entityType. When an IBC message is published from a screen and received by one of the IDF contextual applications (primary, secondary or tertiary), the IDF contextual application initially determines which IDF business object is associated with the first entityType in the message and, if a default card has been defined for that IDF business object, then that default card is displayed in the IDF contextual application. After the IDF contextual application has been initially displayed, the user can edit its settings to select any entity within the IBC message and then select any card of the IDF business object corresponding to that entity's type.

Support Infor OS Portal Cloud and IDF Widgets require System i Workspace, WebTop and Netlink to be configured to the same port. Cloud administrators, see KB2207836 for configuration details.

IDF Widget Set as preference:

When you select a Business object and/or Card in the LX Context Widget preferences, they are for the lifetime of the current session - i.e. when you log out and back in, then they will revert to the defaults. However, if you select the "Set as preference" option, then the setting is persisted and re-used for new

sessions. The settings are for the current view only - so the card used on the list of buyers can be different to that of the buyer detail.

IDF Widget Record entities:

The Record Entities option is there to record the list of entity types (i.e. business objects) that are being sent to the context app. This is of little importance for the local application as they are known. Where this becomes important is when the LX Context Widget is being shown next to an alternative application - then IDF won't know which entity types will be included in the IBC message(s), so this option will record them.

The table includes the entityType values that have correspondences with IDF business objects.

entityType within an IBC message	Corresponding IDF business object
InforAccountingBookDefinition	Accounting Book (LDGBOK)
InforAccountingChart	Chart of Accounts (COA)
InforAccountingEntity	Company (LCPY)
InforAddress	Customer Address (CUSADD)
InforBillofMaterials	Manufacturing Bill of Material (MBM)
InforBillofMaterials	Manufacturing Bill of Material Component (MBMCMP)
InforBillofResources	Routing (LRTG)
InforCustomerPartyMaster	Customer (LCUS)
InforFinancialsPartyMaster	Bank (LBNK)
InforInvoice	Invoice (CUI)
InforInvoiceLine	Invoice Line (CUILNE)
InforItemMaster	Enterprise Item (LITM)
InforItemMaster	Item Cost (ITMCST)
InforLocation	Warehouse (LWHS)
InforLocation	Facility (LFAC)
InforPerson	Sales Person (SLR)
InforPerson	Buyer (BUY)
InforPerson	Planner (PLN)
InforProductionOrder	Shop Order (LSOR)
InforPurchaseOrder	Purchase Order (LPOR)
InforPurchaseOrderLine	Purchase Order Line (PORLNE)
InforRequisition	Requisition (PRQ)
InforRequisitionLine	Requisition Line (PRQLNE)

entityType within an IBC message	Corresponding IDF business object
InforSalesOrder	Customer Order (LCOR)
InforSalesOrderLine	Customer Order Line (LCORLNE)
InforSourceSystemGLMovement	Ledger Book Account Balance (LDGBKA)
InforSourceSystemJournalEntry	Ledger Book Journal Entry (LBJ)
InforSupplierInvoice	Vendor Invoice (VNI)
InforSupplierPartyMaster	Vendor (LVND)
IACTSEG	Account Segment (IACTSEG)
IACTSEV	Account Segment Value (IACTSEV)
ICOA	Chart of Accounts (ICOA)
ICOASES	Chart of Accounts Segment (ICOASES)
IGCR	Ledger Account (IGCR)
IGHH	Financial Journal Entry (IGHH)
IGLH	Financial Journal Entry Line (IGLH)
IGSUG	Financial Group (IGSUG)
IGTB	Financial Calendar (IGTB)
ILBBS	Ledger Book Balance Summary (ILBBS)
ILDG	Ledger (ILDG)
ILDGBOK	Ledger Book (ILDGBOK)
ILDGBKS	Ledger Book Journal Source (ILDGBKS)

For each IDF business object, one of its cards can be selected as the default for each of the IDF primary, secondary and tertiary contextual applications.

- Start in IDF (Power-Link or Net-Link)
- Select menu Environments and then select menu option User Preferences
- Click the plus sign to open a business object from the above table, then highlight and right click “Public” for that business object and select Maintain -> Change
- Select tab Card File and then select sub-tab Net-Link
- In the Widget/context application Content section, select cards to become the defaults for each of primary, secondary and tertiary

Once the IDF contextual applications have been displayed with data from the default cards of the IDF business object associated with the first entityType in the IBC message, the user can edit the IDF contextual applications to select any other entityType in the IBC message and select any card of the corresponding IDF business object.

Note that some LX screens publish an IBC message with multiple occurrences of a single entityType, see Context-sensitive drillbacks on page 126. In this scenario, IDF contextual applications will only respond to data for the first occurrence of an entity Type within the IBC message.

Creating Insight Group in Infor OS Portal Cloud

An Insight Group can be created by a user (as private) or Administrator (as public) as per business need.

Created Insight Group can be used and published to different users on the same tenant as well.

Open the LX environment. Go to Widgets Insight Group on far right side in the Smart Panel. Click-On “+Add”.

Provide desired Insight Group Name (Ex: LX Widgets) and Click-On “OK”.

Click on Save, to save the Insight Group or “+ Add Widget” to add widgets while creating Insight Group.

Adding Widgets in Insight Group

Before getting started with using Widgets in Portal go through Chapter 5: Widgets in ***Infor OS Portal Administration Guide.***

Open previously created Insight Group, click on **“+ Add Widget**” button to add Standard or Published Widgets into this Insight Group.

This will open “**Widget Catalog**” page to search and add the required widgets to the application.

In this example we are use “**LX IDF Context”** Widget as Primary Context Widget. Search for “LX IDF Context” in the Widget Catalog and then Click-On “**+**” to add Widget to Insight Group. Close the Widget Catalog page.

Now LX IDF Context Widget is added to Insight Group and Click-On “**Save**”

Now select the above added LX IDF Conext Widget and Click-On “**Configure**…” option” to modify the Widget Settings.

Click-On “**Lock**” Icon to change the default Title. Change the Title to desired one. Ex : “LX Primary Context Widget”. Click-On “**Lock**” Icon to save the changed Title.

Select the valid application logical Id from “**Application**” drop down and “**Index**” as Primary from drop down and Click-On “**Apply**” to create XLX Primary Context Widget.

For the same widget, you can find the “Secondary” and “Tertiary” **Index** in drop down. These indexes can be used to configure respective “Secondary” and “Tertiary” context Widgets.

Note: This single LX IDF Context widget with 3 different indexes is the replacement for Primary, Secondary and Tertiary Context Views in Infor OS Ming.le.

Similarly repeat the above steps to configure XA Secondary and Tertiary Context Widgets by selecting Secondary or Tertiary as Index.

Pop-Out Insight Group with Widgets

By using the Pop-Out feature we can view the Insight Group having Primary, Secondary, Tertiary Context Widgets and other widgets in Separate window.

Click-On Pop-Out.

This Pop-out window can be reformatted as desired.

Publishing and Edit Permissions on Insight Group

The Insight Groups created can be published by the creator having "**Portal – ContentAdministrator**" or "**MingleAdministrator**" role to other users on same Infor OS Portal tenant. Insight Groups those can be reused by different users on same tenant can be published to avoid duplication.

As mentioned above the Insight Groups created with context widgets can be published to different users on the same tenant and can be used with the same LX application.
Go to LX Widgets Insight Group Ellipse (…) and Click-On **Publish**:

Under **Settings** section, we can change the **Title**, **Description**, and **Icon** as per business need.

Under **Permissions** section, we can limit the access or disable the Insight Group to users by selecting Roles or User etc.

Navigate to Portal and Click-On "**Published Insights"** to Check this Insight Group in List of Published Insights.

Select the Insight Group and Click-On "**Edit Permissions"**, this is same as above where we setup Permissions to limit the access.

Publishing LX Context Widgets

LX IDF Context widgets added and customized in Insight Groups can also be published to other users on same Infor OS Portal tenant.

Go to LX Context Widget and Select **Advanced** and Click-On **Publish**.

On “**Edit Publishing Configuration**” window, change **Title**, **Description**, **Standard size** according to your business need and Click-On Apply. Enabling “**Use Widget Catalog title as widget title**” check-box will show default “LX IDF Context” as title for this published widget.

Go to **Settings** –> Click-On “**Enable Settings**” check-box to enable **Title** and **Index** settings.

Enabling these settings will allow other users to view these details in the published widget.

Go to **Permissions** section and modify the Permissions to allow access to limited users or roles if needed. Default will allow all users to use this widget when published.

Click-On **Apply** and then **Publish**.

Verify Published Widget in **Portal** -> **Published Widgets**.

This published widget is now available in **Widget Catalog** to add in Insight Groups for other users.

Chapter 13 Configuring workspaces/homepages for your application

Workspaces/homepages are a flexible and configurable way to present information and activities to users. Administrators can build pages for various groups of users, roles, departments, or business functions. You can select from the library of available Infor widgets or build your own widgets.

For Workspaces/homepages administration tasks, see the *Infor Operating Service Administration Guide*.

Configuring and accessing LX applications in Workspace is not supported.

Configuring and accessing LX Context widgets in Workspace is not supported.

Chapter 14 Configuring Infor Document Management with your application

Infor Document Management (IDM) and LX are integrated through these methods:

- Context Business Messages

Enabling the Related Information context app

When you set up the Related Information context app in Infor OS Ming.le, use the **Applications** tab to add the LX application and set it to **`Enabled`**.

To set up a Widget in Infor OS Portal Cloud, use the Insight Group in the Spart Panel and select the Related Information **V2** Widget.

Note: in a cloud environment, the "Default Business Context Model" must be deployed in the IDM environment linked to the LX environment being deployed in cloud: IDM Control Center > Business Context Model > Default Business Context Model > Edit.

Appendix A Troubleshooting

This section describes actions that you can perform to solve Infor OS integration issues.

Data is not flowing properly

Cause: A problem is preventing the flow of BOD data to ION.

Solution: After you complete the configuration setup, if BOD data is not flowing to ION, use ION OneView to identify the problem.

ION OneView can be found under the **Manage** menu in ION Desk. You can perform these actions in ION OneView:

- Track business documents from a single consolidated view; search for documents using different search criteria.
- View all ION components that were triggered by the incoming document: Connection Points; data flow filters and content-based routing; mappings; ION engines for example, Monitor, Workflow, and Pulse; monitors; activation policies and workflows.
- View more details about these ION components:
  - Detailed properties for each ION component
  - List of events that were logged by each ION component while processing the message
  - Drilldown views that are used to display the appropriate management pages for the selected ION component
  - Visibility and correlation of the different messages sent or generated:
  - Original BOD messages that triggered the whole list of components displayed; Confirm BOD messages that were generated due to any error while processing the Original BOD message. Mapped/Updated BOD messages that were created during the processing of the Original BOD message
  - View content of BOD messages. This information is only available to authorized users, based on the roles and permissions that are configured.

For more information, see the section on ION OneView in the *ION Desk User Guide*.

To avoid business discrepancies between this application and integrated applications, correct any errors as soon possible.

LX Extension is not active

Cause: The LX Extension is not active or one of its ports is not started

Solution: Start or restart LX Extension and verify that all of its ports start successfully.

LX transaction does not generate outbound BOD

Cause: A configuration setting is preventing the LX Adapter from generating an outbound BOD.

Solution: Verify the LX configuration settings associated with generating and outbound BOD.

- License library in LX INLIBL data area must be SSAGTLIC83.
- For an LX transaction using an exit point to initiate generating an outbound BOD, verify the exit point from that LX transaction calling SYS070C is active.
- For an LX transaction using a database trigger to initiate generating an outbound BOD, verify the trigger is active
- A default language must be set up in SYS127 for LX file ZLA.

Cause: An LX database table needed by a PI is locked by an LX program using an exclusive *EXCL lock

Solution: Wait until the LX program completes and releases its locks, then retry the transaction. Following are the LX programs that use an exclusive *EXCL lock on one or more database tables needed by any PI. Before starting any of these programs, ensure that LX Adapter is either inactive or has zero entries in SAFE_BOX waiting to be processed.

- BOM900C BOM Restructuring locks database tables MBM, MPB, MPN, MBZ, IIM, ZNK
- INV901C Close Inventory Period locks database tables IIM, ILI, ITH, ITX, IWI, IWM, RCM, RTP, RTX, SIH, SIL, SSH, SSM, YCI, YYX, ZLT
- INV932C Purge/Save ITH Records locks database tables IIM, ITH, ITX, YYC, YYX, ZLT
- MRP990C MRP Files Reorganization locks database tables KFP, KMR, KMT, KSP, KSR
- SYS994C Reorganize Notes Master Files locks database tables ESN, INT, MPN

Cause: A default outbound accounting entity has not been defined. See section “Defining the default accounting entity” for more information.

Solution: Access SOA Cross Reference Maintenance (SYS127) and press F16=Outbound Accounting Entity Values and enter a value for to be used as the default outbound Accounting Entity.

LX does not properly handle received inbound BOD

Cause: A configuration setting is preventing the LX Adapter from handing a received inbound BOD.

Solution: Verify the LX configuration settings associated with handling a received inbound BOD.

- The ZXO file must contain a record identifying program SYS500X1 as a valid LX object.
- File SSAGTLIC83/WEB_ENV must contain an entry for the LX environment.
- The IWEBTOP subsystem must be running and the socket/port must match what is in the connections.xml file.
- Library SSAGTLIC83 must be in the initial library lists of QZRDSSRV and IWEBTOPJD job descriptions in your WebTop library.
- For more analysis of the problem, turn on Logging and capture/examine logs in the /LXEXTENSION/logs directory.

Cause: An inbound Sync BOD has been saved for later processing because LX Extension incorrectly thinks it is waiting for an Acknowledge BOD of same noun.

Solution: Verify XID records with blank IDBOD for noun of saved Sync BOD.

- An XID record with blank IDBOD is only valid if LX sent a Process BOD and other system has not yet sent an Acknowledge BOD.
- If XID has record with blank IDBOD for any other reason, update that XID record's IDBOD to a non-blank value and investigate the reason that the other system did not respond (to the Process BOD from LX) with an Acknowledge BOD.

Inconsistent results from WebTop vs IDF

Cause: WebTop and IDF are retrieving different values for the LX Logical ID, or values differ from what is on BODs.

Solution: Verify that the LX Logical ID values retrieved for WebTop and IDF are identical and match the value on BODs.

- Verify the LX Application Deployment (in Infor OS Portal or Ming.le) and its specified Logical ID.
- Verify the LX Extension's Connections.xml file and the value of its element <LXComponentLID>.
- Verify the XOU file and its value in field OUBOD on the record with field OUETYP='2'.

Single sign on errors

Cause: Users are continually challenged for passwords or single sign on is failing to authenticate.

Solution: Turn on SPNEGO logging to view error messages.

In the Admin Console, click Troubleshooting+Logging and Tracing+<the name of the server to be tested>+Change log level details

Change the value in the box to: *=info: com.ibm.ws.security.spnego.*=all

No email from event monitor

Cause: An event monitor is setup to send an email, but the email is not sent.

Solution: In the ION service, verify that the send email checkbox is checked.

New user in IFS not created as IBMi user profile

Cause: The new user was defined in Infor OS Portal or Ming.le / IFS without any roles beginning with an LX- prefix.

Solution: Edit the user in Infor OS Portal or Ming.le / IFS and add at least one role beginning with an LX- prefix.

Cause: The SYS802D settings are invalid.

Solution: Edit the SYS802D settings, especially the template IBMi user profile to be copied for creation of a new IBMi user profile. This template IBMi user profile must exist. See Setting parameters for user provisioning on page 69.

Cause: User configured to execute LX Extension has insufficient authority.

Solution: Add the necessary authority or edit the LX Extension configuration to identify a different user to execute LX Extension. See Setting parameters for user provisioning on page 69.

Drillback error "Requested site is currently unavailable"

Cause: Mismatch on logical IDs between application settings (in Infor OS Portal or Ming.le Admin) and user settings (in User Management / IFS).

Solution: Correct logical ID in whichever of application settings versus user settings is incorrect.

EGLi business object does not generate outbound BOD

Cause: Replication Destination not active.

Solution: Access IDF > Environment > Settings > System-Link Destinations > open.the relevant destination and on the Transformations tab, click Activate for the appropriate request

Cause: An IDF job is inactive.

Solution: Verify the IDF jobs are active.

- Sign on to the IBMi with a user profile authorized to IDF and execute command: AMCESLIB/STRIDF
- Select the appropriate IDF environment code
- Select option 6 = Unattached Job Status Maintenance
- If any of the IEGLUA, PSVTUS or PSVJUP jobs are inactive, activate them using action 1 = Start

Widget/context application "Related information" error "No mapping found for the selected context"

Cause: Default business context model not deployed in Infor Document Management (IDM).

Solution: Access IDM Control Center > Business Context Model > Default Business Context Model > and edit XQuery with following value (if not defaulted).

/MDS_GenericDocument[@MDS_EntityType = "{entityType}" AND @MDS_AccountingEntity = "{accountingEntity}" AND @MDS_Location = "{location}" AND @MDS_id1 = "{id1}" AND @MDS_id2 = "{id2}" AND @MDS_id3 = "{id3}" AND @MDS_id4 = "{id4}" AND @MDS_id5 = "{id5}" AND @MDS_id6 = "{id6}" AND @MDS_id7 = "{id7}" AND @MDS_id8 = "{id8}" AND @MDS_id9 = "{id9}" AND @MDS_id10 = "{id10}" AND @MDS_id11 = "{id11}" AND @MDS_id12 = "{id12}" AND @MDS_id13 = "{id13}" AND @MDS_id14 = "{id14}" AND @MDS_id15 = "{id15}"] UNION /MDS_GenericDocument[@MDS_BodRefNoun = "{bodReference.noun}" AND @MDS_BodRefDocId = "{bodReference.documentId}" AND @MDS_BodRefAccEntity = "{bodReference.accountingEntity}" AND @MDS_BodRefLocation = "{bodReference.location}" AND @MDS_BodRefRevisionId = "{bodReference.revisionId}"]

Widget/Context application "Related information" does not present related documents in Portal Cloud.

Cause: The Related Information V2 Widget is required in Portal Cloud.

Solution: Reconfigure the Widget using the Related Information V2 Widget for Portal Cloud.

Appendix B Business events that generate outbound BODs

This table shows the events, which are user actions in LX that generate an outbound BOD from LX:

Verb	Noun	User action to generate the BOD
Sync	AccountingBookDefinition	Create or revise a ledger or book in CEA105 or perform a transaction or host job in EGLi business object Ledger Book
Sync	AccountingChart	Create or revise a chart in CEA101 or perform a transaction or host job in EGLi business object Chart of Accounts
Sync	AccountingEntity	Create or revise a ledger or book in CEA105 or in EGLi business object Ledger Book or Create or revise a company in ACR120
Process	AdvanceShipNotice	Pick Confirm a resupply order in ORD570
Sync	AdvanceShipNotice	Create a customer return order in ORD700
Sync	BillOfMaterials	Create or revise a bill of material in BOM500 or Process an engineering change order in BOM610 or BOM620 or reorganize a bill of material in BOM900 or Create or revise a configured bill of material in CFG640

Verb	Noun	User action to generate the BOD
Sync	BillOfResources	Create or revise a bill of material in BOM500 or Process an engineering change order in BOM610 or BOM620 or Reorganize a bill of material in BOM900 or Create or revise a configured bill of material in CFG601 or CFG640 or Release a planned shop order in MRP540 or MRP570 or MRP640 or JIT540 or Create or revise a routing in SFC100 or Create or revise a shop order in SFC500 or SFC530 or Backflush a shop order in LMP600
Acknowledge	BillToPartyMaster	Acknowledge the receipt of a BillToPartyMaster from an external product.
Sync	BillToPartyMaster	Create or revise a customer bill-to address in ACR100 or ORD100
Sync	CarrierParty	Create or revise a carrier in OLM100
Sync	CashReceipt	Post a received payment in ACR500 or ARP685 or ARP686
Sync	ChartOfAccounts	Create or revise an account in CEA100 or CEA101 or perform a transaction or host job in EGLi business object Chart of Accounts
Sync	CodeDefinition – Customer Types	Create or revise a customer type in ACR170
Sync	CodeDefinition – Document Usages	Execute initial data load for document usages
Sync	CodeDefinition – Freight Class	Create or revise a freight tariff classification in OLM125
Sync	CodeDefinition – Freight Terms	Create or revise a freight term in OLM115
Sync	CodeDefinition – Hazardous Material Codes	Create or revise a hazard code in OLM195
Sync	CodeDefinition – Hold reason Codes	Create or revise a lot status code in API150
Sync	CodeDefinition – Inventory Adjustment Reason Codes	Create or revise a reason code for an adjustment transaction in INV140
Sync	CodeDefinition – Item Classes	Create or revise an item class in INV160
Sync	CodeDefinition – Item Types	Create or revise an item type in INV171
Sync	CodeDefinition – Nature Of Transaction	Create or revise nature of transaction code in SYS105

Verb	Noun	User action to generate the BOD
Sync	CodeDefinition – Payment Term	Create or revise receivable payment terms in ACR110 or payable payment terms in ACP160
Sync	CodeDefinition – Planning Methods	Execute initial data load for planning methods
Sync	CodeDefinition – Priority Code	Execute initial data load for priority codes
Sync	CodeDefinition – Rejection Cause Codes	Create or revise a reason code for a rejection transaction in INV140
Sync	CodeDefinition – Return Reasons	Create or revise a reason code for a return transaction in INV140
Sync	CodeDefinition – DIMENSIONS	Create or revise a segment in CEA100 to create a new code list “LX_SEGMENT_” + the segment from CEA100 or perform a transaction or host job in EGLi business object Account Segment for a non-natural account segment
Sync	CodeDefinition – LX_SEGMENT_ + an LX segment	Create or revise a value within a segment in CEA100 or perform a transaction or host job in EGLi business object Account Segment Value for a non-natural account segment
Sync	CodeDefinition – Supplier Categories	Create or revise a vendor type in ACP150
Sync	CodeDefinition – Tax Jurisdiction Codes	Create or revise tax rate code in SYS140
Sync	CodeDefinition – Transportation Methods	Create or revise a means of transportation in OLM110
Sync	CodeDefinition – Unit Codes	Execute initial data load for unit of measure codes
Sync	CodeDefinition – Unit Price Codes	Create or revise unit price code in SYS105 or execute initial data load for unit price codes
Sync	CodeDefinition – Warehouse Types	Execute initial data load for warehouse types
Acknowledge	ContactMaster	Acknowledge the receipt of a ContactMaster from an external product
Sync	ContactMaster	Create or revise a contact in CDM140
Sync	Contract	Create or revise a vendor contract in PUR151 or PUR152 or PUR156 or PUR556 or revise an RMS (customer) contract in RMS500 or RMS530 or RMS770 or RMS775

Verb	Noun	User action to generate the BOD
Acknowledge	CustomerPartyMaster	Acknowledge the receipt of a CustomerPartyMaster from an external product
Sync	CustomerPartyMaster	Create or revise a customer in ACR100
Sync	CustomerReturn	Create or revise a customer return order in BIL540 or ORD700 or ORD900
Sync	FinancialCalendar	Create or revise a period table/year in CEA102 or perform a transaction or host job in EGLi business object Financial Calendar
Sync	FinancialPartyMaster	Create or revise a bank in ACP140
Acknowledge	InventoryAdjustment	Acknowledge the receipt of an InventoryAdjustment from an external product
Sync	InventoryAdjustment	Post an inventory adjustment transaction in INV500 or INV510 or INV511 or INV515 or QMS590
Sync	InventoryCount	Post an inventory cycle count transaction or a physical inventory transaction in INV500 or INV515 or INV650
Process	InventoryHold	Revise a lot status in INV130
Sync	InventoryHold	Revise a lot status in INV130 or QMS590 or a location status in INV170
Sync	Invoice	Create or revise a Cartera document (via database trigger) or a receivable invoice in ACR500 or ACR510 or BIL540 or ACR300
Acknowledge	ItemMaster	Acknowledge the receipt of an ItemMaster from an external product
Sync	ItemMaster	Create or revise an item in CST100 or CST500 or CST600 or CST900 or MRP140 or PUR180 or QMS174 or SYS954 or INV100
Sync	Location	Create or revise a company in ACR120 or CLD135 or FXA100 or a warehouse in INV110 or a facility in SYS190
Sync	PayableTransaction	Post a payable in ACP500 or ACP510 or ACP540 or ACP900 or a payment (to a payable) in ACP650 or ACP655 or ACP700 or ACP710 or TFM510
Sync	PayFromPartyMaster	Create or revise a customer in ACR100

Verb	Noun	User action to generate the BOD
Sync	Person	Create or revise a buyer or planner in INV111 or a salesperson in SAL100 or an LX system user in SYS600
Sync	ProductionOrder	Create or revise a shop order in VPi or INV500 or INV510 or INV511 or INV650 or FAS500 or JIT510 or JIT600 or MRP643 or PRF900 or SFC500 or SFC530 or SFC550 or ORD700 or API500 or JIT540 or MRP540 or LMP600 or SFC650 or SFC720 or SFC900 or CST900
Sync	ProductionReceiver	Create or revise a shop order in SFC550 or MRP640 or PRF900 or SFC500 or SFC530 or ORD700 or API500 or JIT540 or MRP540 or LMP600 or SFC580 or SFC581 or CST900 or SFC900
Sync	PurchaseOrder	Create or revise a purchase order in ACP500 or INV500 or PUR500 or PUR550 or PUR640 or PUR650 or PUR651 or PUR770 or PUR905 or WHM510 or approval via ION Workflow
Acknowledge	Quote	Acknowledge the receipt of a Quote from an external product
Sync	Quote	Create or revise a quote in ORD700 or ORD930
Sync	ReceivableTransaction	Post a receivable in ACR510 or BIL540 or CAR500 or a payment (against a receivable) in ACR500 or ARP685 or ARP686 or BIL500 or CAR550 or CAR555
Acknowledge	ReceiveDelivery	Acknowledge the receipt of a ReceiveDelivery from an external product
Sync	ReceiveDelivery	Post an inventory receipt transaction in ACP500 or DRP550 or INV500 or BIL500 or PUR550 or JIT620 or WHM510
Sync	RemittanceAdvice	Post a payable payment in ACP650 or ACP655 or ACP700 or ACP710 or ACP900 or TFM510
Sync	RemitToPartyMaster	Create or revise a vendor in ACP100 or PUR100
Acknowledge	Requisition	Acknowledge the receipt of a Requisition from an external product
Sync	Requisition	Create or revise a requisition in PUR600 or PUR640 or PUR650 or PUR905
Acknowledge	SalesOrder	Acknowledge the receipt of a SalesOrder from an external product

Verb	Noun	User action to generate the BOD
Sync	SalesOrder	Create or revise a sales order in BIL500 or ORD550 or ORD570 or ORD573 or ORD580 or ORD582 or ORD680 or ORD700 or ORD900 or PRO530 or RMS550
Sync	SecurityRoleMaster	Create or revise an LX business role in SYS600
Process	SecurityUserMaster	Create or revise an LX user in SYS600 or SYS602
Sync	ServiceConsumption	Post a commodity or service receipt (consumption) transaction in INV500 or PUR500 or PUR550 or SFC650 or JIT600
Sync	ShipFromPartyMaster	Create or revise a vendor in ACP100 or PUR100 or a vendor ship-from address in ORD100
Acknowledge	Shipment	Acknowledge the receipt of a Shipment from an external product
Process	Shipment	Post a request to issue (shipment) goods in ORD550 or ORD700 or ORD720 or SFC580 or SFC581
Sync	Shipment	Post an inventory issue (shipment) transaction in BIL540 or SFC550 or INV500 or JIT600 or ORD400 or ORD550 or ORD570 or SFC650 or ORD700 or ORD720 or PUR550 or SFC580 or SFC581
Acknowledge	ShipToPartyMaster	Acknowledge the receipt of a ShipToPartyMaster from an external product
Sync	ShipToPartyMaster	Create or revise a customer in ACR100 or a customer ship-to address in ORD100
Sync	SourceSystemGLMovement	Post a journal entry in GHH01V or GHH01VG or CEA971 or perform a host job in EGLi business object Ledger Book Balance Summary
Sync	SourceSystemJournalEntry	Post a journal entry in GHH01V or GHH01VG or perform a transaction or host job in EGLi business object Financial Journal Entry
Sync	SupplierInvoice	Create or revise a payable invoice in ACP500 or ACP510 or ACP540 or ACP650 or ACP700 or ACP900
Sync	SupplierPartyMaster	Create or revise a vendor in ACP100 or PUR100
Sync	SupplierQuote	Create or revise a vendor quote in PUR150 or PUR485

Appendix C Inbound BOD usage

This table shows the incoming BODs that LX can accept. It also indicates, when possible, what area of LX shows the processed inbound data.

Verb	Noun	Destination of processed data in LX
Load	AdvanceShipNotice	PUR500 Purchase Order Maintenance and PUR770I GRN API
Process	BillToPartyMaster	ORD100 Address Master Maintenance
Process	ContactMaster	CDM140 Contact Master Maintenance
Process	CustomerPartyMaster	ACR100 Customer Maintenance
Process	InventoryAdjustment	INV500 Inventory Transaction Posting
Sync	InventoryAdjustment	INV500 Inventory Transaction Posting
Sync	InventoryHold	INV510 Location Transfer Posting
Process	ItemMaster	INV100 Item Master Maintenance or PUR180 Commodity Maintenance
Process	Quote	ORD710I5, ORD710I6, ORD765I1 Quote/Sales Order APIs
Process	ReceiveDelivery	INV500 Inventory Transaction Posting
Sync	RecieveDelivery	INV500 Inventory Transaction Posting or INV510 Location Transfer Posting or DRP550 Resupply Order Receipts or PUR550 Purchase Order Receipts
Process	Requisition	PUR600 Requisition Maintenance
Process	SalesOrder	ORD710I5, ORD710I6, ORD765I1 Quote/Sales Order APIs
Sync	SecurityUserMaster	SYS600 Security Maintenance
Sync	ServiceConsumption	PUR550 Purchase Order Receipts

Verb	Noun	Destination of processed data in LX
Process	Shipment	INV500 Inventory Transaction Posting
Sync	Shipment	INV500 Inventory Transaction Posting or INV510 Location Transfer Posting or ORD550 Pick Slip Release or ORD570 Pick Slip Confirm or ORD720 Allocations
Process	ShipToPartyMaster	ORD100 Address Master Maintenance
Process	SupplierInvoice	ACP500 Accounts Payable Invoice Entry

Appendix D BODs used in integrations with this application

This section contains the list of BODs that are available with LX.

Outbound BODs from LX to integrated applications

This table shows the BODs that are available with LX. Where the application is blank, the BOD is not currently used by interfacing applications, but the BOD is generated by LX and is available to be processed through ION and any application that is set up to receive it.

Verb	Noun	To applications
Sync	AccountingBookDefinition	
Sync	AccountingChart	
Sync	AccountingEntity	
Process	AdvanceShipNotice	WMS
Sync	AdvanceShipNotice	
Sync	BillOfMaterials	
Sync	BillOfResources	
Acknowledge	BillToPartyMaster	CRM
Sync	BillToPartyMaster	CRM
Sync	CarrierParty	
Sync	CashReceipt	
Sync	ChartOfAccounts	
Sync	CodeDefinition	CRM

Verb	Noun	To applications
Acknowledge	ContactMaster	CRM
Sync	ContactMaster	CRM
Sync	Contract	
Acknowledge	CustomerPartyMaster	CRM
Sync	CustomerPartyMaster	CRM WMS
Sync	CustomerReturn	CRM
Sync	FinancialCalendar	
Sync	FinancialPartyMaster	
Acknowledge	InventoryAdjustment	EAM
Sync	InventoryAdjustment	
Sync	InventoryCount	Supplier Exchange
Process	InventoryHold	WMS
Sync	InventoryHold	
Sync	Invoice	CRM
Acknowledge	ItemMaster	EAM
Sync	ItemMaster	CRM EAM WMS
Sync	Location	CRM WMS
Sync	PayableTransaction	
Acknowledge	PayFromPartyMaster	
Sync	PayFromPartyMaster	CRM
Sync	Person	CRM Infor OS Portal or Ming.le / IFS
Sync	ProductionOrder	
Sync	ProductionReceiver	WMS
Sync	PurchaseOrder	EAM WMS Supplier Exchange
Acknowledge	Quote	CRM

Verb	Noun	To applications
Sync	Quote	CRM
Sync	ReceivableTransaction	CRM
Acknowledge	ReceiveDelivery	EAM
Sync	ReceiveDelivery	EAM Supplier Exchange
Sync	RemittanceAdvice	
Sync	RemitToPartyMaster	
Acknowledge	Requisition	EAM
Sync	Requisition	
Acknowledge	SalesOrder	CRM
Sync	SalesOrder	CRM
Process	SecurityUserMaster	Infor OS Portal or Ming.le / IFS
Sync	SecurityRoleMaster	Infor OS Portal or Ming.le / IFS
Sync	ServiceConsumption	
Sync	ShipFromPartyMaster	
Acknowledge	Shipment	EAM
Process	Shipment	WMS
Sync	Shipment	CRM
Acknowledge	ShipToPartyMaster	CRM
Sync	ShipToPartyMaster	CRM WMS
Sync	SourceSystemGLMovement	
Sync	SourceSystemJournalEntry	
Sync	SupplierInvoice	
Sync	SupplierPartyMaster	EAM WMS
Sync	SupplierQuote	

Inbound BODs to LX from integrated applications

This table shows the BODs that can be received and processed by LX. Where the product is blank, the BOD is not currently used by interfacing applications.

Verb	Noun	From applications
Load	AdvanceShipNotice	Supplier Exchange
Process	BillToPartyMaster	CRM
Process	ContactMaster	CRM
Process	CustomerPartyMaster	CRM
Process	InventoryAdjustment	EAM
Sync	InventoryAdjustment	WMS
Sync	InventoryHold	WMS
Process	ItemMaster	EAM
Process	PurchaseOrder	ION Workflow
Process	Quote	CRM
Process	ReceiveDelivery	EAM
Sync	ReceiveDelivery	WMS
Process	Requisition	EAM
Process	SalesOrder	CRM
Sync	SecurityUserMaster	Infor OS Portal or Ming.le / IFS
Sync	ServiceConsumption	EAM
Process	Shipment	EAM
Sync	Shipment	WMS
Process	ShipToPartyMaster	CRM
Process	SupplierInvoice	

Appendix E Uninstalling the LX Extension

The LX Extension installed components on the IBM i.

To uninstall the LX Extension components on the IBM i:

- Delete the target IFS folder.
- Delete the files created in the LX environment control and files libraries. See LX library components on page 195 for a list of files installed into the LX libraries.

Appendix F Subsystem Instructions

For best performance, we recommend that the LX Extension run in a separate subsystem with dedicated memory allocated to it. Multiple Extension instances can be run from this subsystem.

Job queue and subsystem recommendations

These instructions assume that the default QGPL/LXEXTEND job queue name was entered during the LX Extension installation. If another name was entered, adjust the instructions accordingly. You can find the name of the job queue in job description ESBEJOBD in the LX environment control library.

Use the WRKSHRPOOL command to find an available shared memory pool. Specify these settings:

Shared Pool Setting	Value
Defined Size	512MB
Activity Level	128
Paging	*CALC
Priority	1
Minimum Size %	Set this so that the minimum size is equal to the Defined Size above. For example On a partition with 8GB of main storage this should be set to 6.25% for the memory to be no less than 512MB
Maximum Size %	The value can be set to 100% however Infor recommends limiting storage to a reasonable value. For example on a system with 8GB of main storage to limit memory to 4GB set this value to 50%.

The amount of memory allocated is dependent on several factors that can best be determined during periods of typical or high transaction volumes.

- Excessive page faulting is an indication that not enough maximum memory has been allocated.

- Slow initial startup can indicate that not enough minimum memory was allocated.

On systems where there are multiple instances of LX running LX Extension memory settings may need to be increased.

LX Connector also runs in this subsystem and should be factored in when assigning memory.

If auto tuning is ON, then the operating system will assign or reduce the memory in this pool as needed. If auto tuning is OFF, monitor this pool for page faulting and increase memory as needed.

To assign the shared pool defined above to the LXEXTEND subsystem specify this command:

CHGSBSD SBSD(QGPL/LXEXTEND) POOLS((1 [the name of the shared pool]))

Note: The following instructions are for reference porpoises. Follow these steps if the LXEXTEND subsystem does not exist on the system.

To create and configure the LXEXTEND subsystem:

1. To create the subsystem, specify this command:
   CRTSBSD SBSD(QGPL/LXEXTEND) POOLS((1 [the name of the shared pool])) TEXT('ERP LX Extension/Connector Subsystem')
2. To add a routing entry to use pool 1 for all jobs, specify this command:
   ADDRTGE SBSD(QGPL/LXEXTEND) SEQNBR(9999) CMPVAL(*ANY) PGM(QSYS/QCMD) CLS(QGPL/QINTER) POOLID(1)
3. Start the subsystem. This subsystem should be configured to be started after every IPL.
   STRSBS SBSD(QGPL/LXEXTEND)
4. To create the LXEXTEND job queue, specify this command:
   CRTJOBQ JOBQ(QGPL/LXEXTEND) TEXT('LX Extension job queue')
5. To add a multi-threaded job queue, specify this command:
   ADDJOBQE SBSD(QGPL/LXEXTEND) JOBQ(QGPL/LXEXTEND) MAXACT(*NOMAX) SEQNBR(10)

Appendix G Web services and end points

These are Web Services and End Point URLs for accessing Web Services:

- Available-to-Promise Service
  End Point URL =
  http://[IBM_i_ServerName]:[WebServices_Run_Port]/lx_ws/services/AvailableToPromiseServiceSoap
  List of Operations = GetOrderPromise
  With this web service, LX supports single-warehouse ATP search only.
- Item Prices Service
  End Point URL =
  http://[IBM_i_ServerName]:[WebServices_Run_Port]/lx_ws/services/ItemPricesServiceSoap
  List of Operations = GetCatalogPrice, GetOrderLinePrice
- Order Total Service
  End Point URL =
  http://[IBM_i_ServerName]:[WebServices_Run_Port]/lx_ws/services/OrderTotalServiceSoap
  List of Operations = GetOrderTotal
- LX Advanced Available-To-Promise Service
  End Point URL =
  http://[IBM_i_ServerName]:[WebServices_Run_Port]/lx_ws/services/LXAdvancedAvailableToPromiseServiceSoap
  List of Operations = GetLXAdvancedATP
  With this web service, LX supports single-warehouse ATP search and all-warehouse ATP search.

Note: Where [IBM_i_ServerName] is the name of the IBM i Server where LX Web Services is installed, and [WebServices_Run_Port] is the port number that LX Web Services is listening on.

Appendix H Using the LX Adapter

The LX Adapter component of LX Extension is a Java application that enables the exchange of messages between disparate systems. You can use the LX Adapter with LX to implement the ION messaging architecture. The LX Adapter only supports integrations developed by Infor Development.

LX uses the LX Adapter to build the outbound messages that it sends to other components and to process the inbound messages that it receives from other components.

The LX Adapter uses process instructions to read, parse, and push each inbound BOD message into LX and to format each outbound BOD message. Process instructions are XML files that contain instructions to navigate display screens, run SQL statements, and call programs.

When LX receives an inbound message, the LX Adapter uses the appropriate process instructions to map the data from the BOD into LX and to perform the required add, change, or delete. The LX Adapter uses standard LX APIs to process incoming information.

When certain application events occur in LX, the LX Adapter uses the appropriate process instructions to retrieve and map data from LX files into the BOD and to send an outbound message.

LX Adapter components

The LX Extension installation program installs LX Adapter components into the IFS directory and into LX libraries.

LX library components

The installation program installs these components into LX libraries:

- ESBDCFG configuration file. The installation program adds this file to the LX environment control library. The file contains the name of the directory where you installed the LX Extension. It is used by the STRLXA command to retrieve classpath information.
- ESBEJOBD. This job description will be used to define the job queue for the LX Adapter jobs. See Subsystem Instructions on page 191.
- Inbox and Outbox tables. The installation program creates the ION tables in the LX files library. The LX Adapter uses the tables to transfer BOD messages to and from LX and the ION. The tables are journaled to support commitment control.

Tables

The installation program creates these ION tables in the LX files library:

SQL Name	IBM i name
COR_INBOX_ENTRY	CORINENT
COR_INBOX_HEADERS	CORINHDR
COR_OUTBOX_ENTRY	COROUTENT
COR_OUTBOX_HEADERS	COROUTHDR
COR_PROPERTY	CORPROP
ESB_INBOUND_DUPLICATE	ESBINDUP

Indexes

The installation program creates these indexes in the LX files library:

SQL Name	IBM i name
IX_CREATED_DATE_TIME_INBOX	CORINIXDT
IX_CREATED_DATE_TIME_OUTBOX	COROUIXDT
IX_INBOX_HEADERS_INBOX_ID	CORINIXHI
IX_OUTBOX_HEADERS_OUTBOX_ID	COROUTIXHI
IX_WAS_PROCESSED_INBOX	CORINIXWP
IX_WAS_PROCESSED_OUTBOX	COROUTIXWP
ESB_INBOUND_DUP_MESSAGEID_IX	ESBINDUPMS
ESB_INBOUND_DUP_TIMESTAMP_IX	ESBINDUPTM

Journal and receiver

The journal and receiver are COR_JRN and COR_JRNRCV.

IFS directory components

The installation program installs these components into the IFS directory:

- LXESBR.jar file – Contains these components:

  - Screen navigation, database retrieval, API, inbox, outbox, and inbound and outbound event support.
  - Java runtime code that provides processing of soft-coded process instructions which contain instructions for the processing of inbound and building of outbound BODs.
  - Runtime java code used by the LX Adapter runtime for invocation of RPG applications such as system date conversion to GMT.
- LXESBPI.jar file – Contains the process instructions and APIs that are used to construct outbound BODs and to process inbound BODs.
- Connections.xml configuration file - Defines the LX environment used by the LX Adapter for processing information.
- Doc folder - Contains text files, SQL files, and a link to this guide.
- Lib folder - Contains java jar files used by the java runtime code for communications with ION.
- Configuration folder - Contains the LXExtensionJVM.properties file and the LXEventCfg.xml file.
- classpathlist.txt - Contains the classpath used when starting the LX Adapter daemons.
- topology.xml - LX Adapter polling configuration file.
- WebServices - Contains folders and objects of the LX Web Services component.
- WebServiceTopology.xml – Configuration of web service request and response message logging.

Additional components

The LX Adapter uses these additional components. In the component names, [EC_LIB] represents the name of your environment control library.

Component	Description
Table text	Table text
SYS070C program	Passes outbound messages from database triggers or exit point programs to the LX Adapter runtime.
STRLXA command	Use to start LX Adapter daemon processes.
ENDLXA command	Use to end LX Adapter daemon processes.
SAFE_BOX	Table that stores LX event data.
[EC_LIB]_SYS070_OutPort	Environment variable created during the LX Adapter installation that contains the daemon port that listens for outbound messages.
[EC_LIB]_SYS070_OutHost	Environment variable created during the LX Adapter installation; contains the name of the host where the outbound daemon process is running. If the daemon port is running on the IBM i, the name is *LOCALHOST.

Component	Description
[EC_LIB]_SYS070_InPort	Environment variable created during the LX Adapter installation. This port the listening port assigned to the inbound daemon process.
[EC_LIB]_SYS070_WSRunPort	Environment variable created during the LX Adapter installation that contains the port that listens for Web Service request.
[EC_LIB]_SYS070_WSStopPort	Environment variable created during the LX Adapter installation that listens for the request to end Web Services.

Configuration files

The installation program installs the connections.xml file and the topology.xml file to the IFS directory where you installed the LX Extension and installs the ESBDCFG file into the LX environment control library that you specified during the installation. The installation program populates these files with the information that you entered on the install screens. You should not have to make any changes to these files.

ESBDCFG

The ESBDCFG file is located in the LX environment control library that you are using for this implementation. The file contains the name of the IFS directory where you installed the LX Extension.

connections.xml

The connections.xml file is located in the IFS directory where you installed the LX Extension. The sample file shows generic descriptive values for the elements. The table provides a description of the values in your environment.

```
<Connections>
 <instance description="EC_Library">ERPLXEC
  <Port>5926</Port>
  <User>VALID_USER_NAME</User>
  <Password>VALID_USER_PASSWORD</Password>
  <Database>HOST;naming=system;translate binary=true;</Database>
  <ECLibrary>ERPLXEC</ECLibrary>
  <LXComponentLID>lid://infor.lx.host-erplxec</LXComponentLID>
   </instance>
</Connections>
```

This table lists and describes the parameters in the configuration file.

XML Label	Value
Instance	The installer uses the name of the Environment Control Library (EC) to create the instance.
Port	The port number used by WebTop to connect to LX. This port is created using the STRSSRV command located in the WebTop runtime library.
User	The user must have permissions to the LX programs and must be set up in the Security Master Selection program (SYS600). The runtime requires the user name to connect with LX.
Password	Optional. If used, it is the valid LX user's password. The password is encrypted and stored as ciphertext. Note: By default, the runtime uses the User that starts daemon processes required by the LX Adapter. See Password considerations on page 200.
Database	The name of the IBM i where LX is installed, plus optionally the name of the LX files libraries on the System i. If you use more than one files library, commas separate the library names. Note: By default the libraries portion of the Database label is not added by the installer. The adapter will use the library list as defined in the LX environment if the library list is not entered.
EC Library	This element names the LX Environment Control Library used to set up the library list. This value must be all upper case.
LXComponentLID	The LX Component Logical ID that was derived during the installation. Note: the LXComponentLID must match the BOD Value (OUBOD) field in the XOU file for Entity Type (OUETYP) equal to 2.

Password considerations

All object authority is not required to process information into LX with the LX Extension or to start the daemon processes. You can use different user IDs for these two processes. To do so, you must add the [Password] element into the LX instance. The user name specified in the configuration file must have permission to all LX applications. Authorize users in SYS600.

The installation process encrypted the plain text password you provided. If you want to change the password and encrypt the new one, replace the cipher text with the new plain text password and run the Encrypt program provided by the LX Extension runtime before you process any transactions. This program replaces the new plain text with a ciphertext [Password] and adds an Encryption=”T” attribute to the [Password] you added into the configuration file.

To run the Encrypt program from a command line on the IBM i, specify the following commands, replacing the descriptive values with your actual values:

ADDENVVAR ENVVAR(JAVA_HOME)
VALUE('/QOpenSys/QIBM/ProdData/JavaVM/jdk80/32bit') LEVEL(*JOB) REPLACE(*YES)

runjva CLASS(Encrypt) PARM('-f' '/installfolder/Connections.xml' -i' 'EClibraryname' '-p' 'Password') CLASSPATH('.:/installfolder/lxesbr.jar:/installfolder/lib/*')

After you run the command, the plain text for the [Password] will be replaced with ciphertext. To disable an encrypted password, remove the Encryption attribute from the [Password] element and type the value as plain text, for example:

Example with encryption:

[Password Encryption="T"]IdTB1k9ZGEs=[/Password]

Example without encryption where xxxxxxxx represents the password in plain text:

[Password]xxxxxxxx[/Password]

Caution: If the same profile is used for any ION connection points, the password must be updated in ION Connect for every connection point where it is used. Failure to do so could result in repeated profile deactivation.

Note: After updating the password, if the Web Services components was also installed, replace the connections.xml found in file \WebServices\webapps\lx_ws.war with the update copy in the LX Extension root folder.

topology.xml

The topology.xml file is located in the IFS directory where you installed the LX Extension. The sample file shows generic descriptive values for the elements. The table provides a description of the values in your environment.

```
<ThreadPool>
 <UseXIDReference>True</UseXIDReference>
 <Debug>
  <LogBadData>F</LogBadData>
```

```
 <LogSysLink>T</LogSysLink>
 <LogExternal>F</LogExternal>
 <LogAPI>F</LogAPI>
 <IFSOutbox>
  <XFinancialCalendar>F</XFinancialCalendar>
 </IFSOutbox>
</Debug>
<InboundThreadPool>
 <MaxThreads>1</MaxThreads>
 <HighPriorityThreads>1</HighPriorityThreads>
 <Criteria>
  <BODType>Default
   <Statement>SELECT * FROM CORINENT WHERE C_WAS_PROCESSED = 0
          AND C_ID IN (
          SELECT C_INBOX_ID FROM CORINHDR
          WHERE C_HEADER_KEY = 'BODType'
              AND C_HEADER_VALUE NOT LIKE 'Acknowledge%'
          ORDER BY C_MESSAGE_PRIORITY, C_CREATED_DATE_TIME
          FETCH FIRST 6 ROWS ONLY</Statement>
   <PollTime>2000</PollTime>
   <MaxThreads>4</MaxThreads>
  </BODType>
  <BODType>Acknowledge
   <Statement>SELECT * FROM CORINENT WHERE C_WAS_PROCESSED = 0
          AND C_ID IN (
          SELECT C_INBOX_ID FROM CORINHDR
          WHERE C_HEADER_KEY = 'BODType'
              AND C_HEADER_VALUE LIKE 'Acknowledge%')
          ORDER BY C_MESSAGE_PRIORITY, C_CREATED_DATE_TIME
          FETCH FIRST 6 ROWS ONLY</Statement>
   <PollTime>1000</PollTime>
   <MaxThreads>4</MaxThreads>
  </BODType>
<BODType>InboxPurge
   <Statement>DELETE FROM CORINENT WHERE RRN(CORINENT) in
          (SELECT RRN(CORINENT) FROM CORINENT
          WHERE C_WAS_PROCESSED = 1
              AND C_CREATED_DATE_TIME &lt; ?
          FETCH FIRST ? ROWS ONLY)</Statement>
   <PollTime>1000</PollTime>
   <DaysToRetain>30</DaysToRetain>
   <RecordsPerIteration>1000</RecordsPerIteration>
   <IdlePollTime>600000</IdlePollTime>
   <MaxThreads>1</MaxThreads>
  </BODType>
 </Criteria>
</InboundThreadPool>
```

```
 <OutboundThreadPool>
  <UseOutbox validate="false" type="Both"/>
  <UseVariation type="datetime"/>
  <FormatXml type="true"/>
  <Automation>
   <AutoRestart type="None" value=""/>
   <EmailValidation>
    <Element>Communication.URI</Element>
    <Element>CommunicationDetail.URI</Element>
   </EmailValidation>
  </Automation>
  <Criteria>
   <BODType>Priority
    <Statement>Select * FROM SAFE_BOX WHERE SAINUSE = '0'
            ORDER BY SAPRIORITY DESC , SADTIME</Statement>
    <PollTime>100</PollTime>
    <MaxThreads>1</MaxThreads>
   </BODType>
   <BODType>Default
    <Statement>Select * FROM SAFE_BOX WHERE SAINUSE = '1'
            AND SANOUN NOT IN ('Shipment')
            ORDER BY SAPRIORITY DESC , SADTIME
            FETCH FIRST 6 ROWS ONLY</Statement>
    <PollTime>2000</PollTime>
    <MaxThreads>4</MaxThreads>
   </BODType>
   <BODType>Shipment
    <Statement>Select * FROM SAFE_BOX WHERE SAINUSE = '1'
            AND SANOUN = 'Shipment'
            ORDER BY SAPRIORITY DESC , SADTIME
            FETCH FIRST 6 ROWS ONLY</Statement>
    <PollTime>2000</PollTime>
    <MaxThreads>4</MaxThreads>
   </BODType>
  </Criteria>
 </OutboundThreadPool>
 <HugeBodSettings>
  <PurchaseOrder>
   <LinesPerBatch>20</LinesPerBatch>
  </PurchaseOrder>
 </HugeBodSettings>
</ThreadPool>
```

This table lists and describes the parameters in the configuration file.

XML Label	Value
UseVariation	Controls whether the variation ID on a Sync BOD published by LX uses current date/time (default) or increments by 1 for each instance of each noun as stored in the XID file
UseOutbox	Controls whether an XML file representing each BOD is saved in the outbox folder of the LX Adapter, in addition to being placed in the outbox for retrieval by ION
FormatXML	Controls whether viewing an XML file representing a BOD formats the XML for easier viewing, rather than displaying the entire XML as one long string
AutoRestart	Controls conditions under which the LX Adapter component of LX Extension will automatically restart
EmailValidation	Controls elements whose values will be validated as properly formatted e-mail addresses and only included in a BOD published by LX if valid
HugeBODSettings/<Noun>/LinesPerBatch	Controls splitting a huge BOD into multiple smaller BODs that will be reassembled by recipients, by limiting the number of lines in any one smaller BOD of the batch representing the huge BOD
HugeBODSettings/<Noun>/CountElements/ChildElement	Controls splitting a huge BOD into multiple smaller BODs that will be reassembled by recipients, by limiting the number of occurrences of a specified child element in any one smaller BOD of the batch representing the huge BOD

XML Label	Value
ExitPointSettings/<ProgramName_ExitPointName>/PriorityElement	Controls the relative priority of each noun to have its BOD built and published by LX
UseXIDReference	Controls whether XID file is accessible for checking existence
Debug	Controls debug parameters
MaxThreads	Maximum number of threads that can be active at any one time
HighPriorityThreads	Number of high priority threads
BODType/Statement	An SQL statement controlling which BODs are subject to the corresponding PollTime, DaysToRetain, etc.
BODType/PollTime	Time in milliseconds between purge executions, default = 10000 ms (10 seconds)
BODType/DaysToRetain	Number of days to retain processed entries
BODType/RecordsPerIteration	Records to delete per iteration
BODType/IdlePollTime	Poll time if no records purged on last iteration
BODType/MaxThreads	Number of purge threads

LXExtensionJVM.properties

The LXExtensionJVM.properties file is located in the configuration folder of the LX Extension. This file is used to define the Java Virtual Machine (JVM) that is used when you start the LX Extension components.

LXLoadCfg.xml

The LXLoadCfg.xml file is located in the configuration folder of the LX Extension. This file is used to improve performance of starting the LX Adapter component by distinguishing between Process Instructions loaded when you start the LX Adapter versus Process Instructions loaded as needed.

LXEventCfg.xml

The LXEventCfg.xml file is located in the configuration folder of the LX Extension. This file is used to configure the events most likely to be duplicated at your site, to reduce the number of duplicate BODs produced. The sample file shows generic descriptive values for the elements. The table provides a description of the values in your environment.

```
<LXEventCfg>
    <SalesOrderOutbound program="ORD701B" exitpoint="SLSORDUPD" duplicateRemoval="T"
    priority="5">
            <Keys>
                    <Key>OrderNumber</OrderNumber>
            </Keys>
    </SalesOrderOutbound>
</LXEventCfg>
```

XML Label	Value
SalesOrderOutbound	The label itself changes to represent the name of the BOD-builder-style Process Instruction (PI) to be executed, and represents a concatenation of BOD name and direction (Inbound into LX versus Outbound from LX)
program	Name of the program whose exit point initiates logic to build and publish a BOD
exitpoint	Named exit point (within the program) that initiates logic to build and publish a BOD
duplicateRemoval	"T" to perform the duplicate removal functionality, or any other value to refrain from performing the duplicate removal functionality
priority	Lower numbers have higher priority
Key	Name assigned in the exit-point-style PI to the key value that differentiates between instances of BODs for the same noun

Starting daemon processes

The LX Adapter uses daemon processes to send BOD messages between LX and another application that you have integrated with LX.

Before you start the daemon processes, verify that the LXESBPI.jar file exists in the IFS directory where you have the LX Extension installed. This file is installed as part of the integration that you are implementing.

To start the daemon processes:

1. Select the STRLXA menu option on the Daemon Administration menu (SYS05). The environment control library of the current LX environment is pre-filled:
2. Press F10 to display optional parameters:
3. Under normal conditions, use the defaults for all other values. Review these conditions before you change values:
   a. To run the submitted Java processes with a user profile name other than your current User ID, specify that user ID name in the User field in the first STRLXA screen. The user ID that runs this command must have *USE authority to the user profile named on the command.
   b. The port numbers (Inbound, Outbound and Web Services) are retrieved from the settings on the environment variables which were created by the installation program. To change these values for your EC library, or to create new environment variables for a new EC library environment, set Update environment variables to *YES and specify the port numbers you want to use for Inbound and Outbound. These port numbers must be different. If you set the Update environment variables parameter to *YES, this will replace any existing environment variable port values if the ports you specify are not already in use and the daemons can be started.
   c. A value of *NONE for any of the port parameters will not attempt to start that port.
   d. The job description name and library on the SOA Job Description cannot be changed. The values are displayed here as reference so you can easily see how other values set to *JOBD are de-referenced by the command.
   e. The values of Write to log.xml file and Print debug statements should remain set to *NO to ensure better performance, unless you are directed to change this setting by the support team. See LX Adapter logging on page 207. Do not change the Coded character set ID value unless you are directed to change this value by the support team.
4. Press **Enter**.

The ESBDCFG file must exist in the named EC library before the command will complete successfully. You will get an error message if the file is not found. You must ensure that the contents of your ESBDCFG file are valid before you attempt to start the environment.

The STRLXA command submits these java processes: LX Adapter inbound, LX Adapter outbound, and LX Web Services.

Ending daemon processes

To end the LX Extension daemon processes:

1. Select the ENDLXA menu option on the Daemon Administration menu (SYS05). The environment control library of the current LX environment is pre-filled:
2. A value of *NONE for any of the port parameters will not attempt to end that port.
3. Press **Enter** to execute the command.

SAFE_BOX processing

For publishing BODs outbound from LX, the LX Adapter component of LX Extension runs asynchronously. As an LX transaction is performed, a record is written into the SAFE_BOX file. When the LX Adapter component of LX Extension is active, it polls the SAFE_BOX and, for each record that it finds, uses the appropriate Process Instructions (PI) to build and publish BODs. Tracking the status of a record in the SAFE_BOX can be done by looking at the value in field SAINUSE:

- 0 = Not yet processed
- 1 = Waiting to be processed
- 2 = Currently being processed
- 8 = PI not found
- 9 = An error occurred during PI processing and BOD was not generated

Outbound event handler logging

The outbound message handler will log messages to a file in the LX environment control library for each session in LX. The initial name for the log file is defined as the letter L followed by the 6 digit job number and suffixed by the letter A, for example, L123456A.

Log entries are written for these issues:

- Exception errors where an invalid LX event is received or a bad configuration is detected
- A valid LX event was received but the message cannot be saved to the SAFE_BOX

LX Adapter logging

The LX Adapter provides you with the ability to control logging and debug information from the STRLXA command described previously in this chapter. The STRLXA command is used to start the LX Adapter.

Use the following parameters to turn on debugging and logging and to specify the level of logging information:

Parameter	Description
Debug (*YES, *NO)	Debug information on
LOGFILE (0-5, *YES, *NO)	Logging information level

Note: Enabling Debug or logging negatively impacts performance. Do so only if instructed by the support team.

Debug

To start debug information, specify *YES on the DEBUG parameter of the STRLXA command. Debug information is intended for internal development diagnostics only. Debug information will only print to “Standard Out”.

Logging

Logging information provides event level information and prints to a formatted XML file. To start logging, specify a value other than *NO or 0 for the LOGFILE parameter of the STRLXA command. The default logging level is *NO. Log files are created in the Logs directory of the LX Extension.

The log file name is created in this format for messages inbound to LX:

LXAdapter\Logs\InboundLogYYYY-MM-DD-HH-MM-SS-FFF.xml

The log file name is created in this format for messages outbound from LX:

LXAdapter\Logs\OutboundLogYYYY-MM-DD-HH-MM-SS-FFF.xml

The variables in the file name have these values:

Variable	Description
Adapter Usage	Typically Outbound or Inbound
YYYY	Year
MM	Month
DD	Day
HH	Hour
SS	Second
FFF	Milliseconds

Example:

LXAdapter\Logs\OutboundLog2012-07-30-10-40-57-123.xml

Log file format

Logging events can be defined in these categories:

- System Events that require no reference to BODID, Nouns, Process instructions, etc. System events will leave the reference area blank.
- Message oriented events. These events have the potential to require as much reference information as possible. These events will gather reference information at the beginning of the process and pass that reference information through the processing of the message.

Log event levels

Logging events can be divided into these ranges or levels:

Level	Description
Level 0 or *NO	Unhandled Exceptions
Level 1	Future use
Level 2	Future use
Level 3	Future use
Level 4	Future use
Level 5 or *YES	All events are logged

Event Format

This sample shows the XML-based logging event format:

```
<Event Transactions=”1”>
  <Date/>
  <LogLevel/>
  <LogId/>
  <Description/>
  <Detail/>
  <ThreadId/>
  <ClassId/>
  <Reference>
    <Message>
      <Noun/>
      <BODID/>
      <Verb/>
    </Message>
    <ProcessInstruction>
      <Name/>
      <Action/>
      <Step/>
      <Type/>
    </ProcessInstruction>
  </Reference>
  <Content/>
</Event>
```

The XML file contains this information for the logging event:

Container	Description
Event	The collection container for all information that is logged as an individual event.
Event Attribute Transaction	A reference counter to the creation of the event.
Date	The UDF time of the event.
Log Level	The log level of the event if we maintain levels. Levels might be useful for quick indexing
Log Id	A numeric value for the event.
Description	A general description of the event.
Detail	A possible included string value defined at the point in the code where a log method is executed. It further details that specific event at that point in the code.
Thread Id	A unique identifier for the thread of execution upon which event occurred.
Class Id	Class name generating this logging event.
Reference	A XML collection of information for the event containing as much information as possible to reference the log. The message collection contains this information from the inbound or outbound message: Noun Verb BODID
Process instruction	Contains this information from the PI that was processed for the event: Process instruction name Action taken Step Type of process instruction
Content	Extended area for describing the event. For example, the entire message can be placed in this area.

Appendix I XID File

The SOA Cross Reference file XID serves multiple purposes.

- When LX is System Of Record (SOR), XID tracks and increments variation ID for each instance of each BOD published. For example, when vendor 123 is created in LX, a SyncSupplierPartyMaster BOD can be published for PartyIDs/ID 123 with variation ID 1; and when vendor 123 is revised in LX, a new SyncSupplierPartyMaster BOD can be published for PartyIDs/ID 123 with variation ID 2, etc.
- When another product is SOR, XID stores a cross-reference between the internal LX identifier (LX key field values) and the official SOR identifier (ID from that other product) for each instance of each BOD.
- When another product is SOR, XID indicates that LX has sent a BOD with verb Process, requesting the SOR to create some new data on behalf of LX, and is awaiting a response BOD with verb Acknowledge from SOR that will include the official SOR identifier.
- To support Thread Sequence for BOD noun SourceSystemGLMovement, LX uses a special XID record for BOD noun LXSourceSystemGLMovement, therefore, BOD noun name LXSourceSystemGLMovement is unavailable for customizations.

To indicate that LX has sent a BOD with verb Process to SOR requesting creation of new data for a particular BOD noun, and is awaiting a response, the relevant XID record includes the internal LX identifier, but has blanks in the field for official SOR identifier. Therefore, the existence of any XID records for a particular BOD noun with blanks in the field for official SOR identifier, is treated as representing a situation in which LX is awaiting a response from SOR for that particular BOD noun.

Each instance of BOD noun Shipment for an LX type 5 warehouse has the WMS product as SOR. Each instance of BOD noun Shipment for any LX warehouse other than a type 5 warehouse has LX as SOR. For an LX type 5 warehouse, LX has the ability to initiate a transaction creating a Shipment, and WMS also has the ability to initiate a transaction creating a Shipment.

If WMS initiates a transaction creating a Shipment, then a SyncShipment BOD is sent to LX. If LX initiates a transaction creating a Shipment (for a type 5 warehouse), then LX sends a ProcessShipment BOD to WMS and expects to receive both an AcknowledgeShipment BOD and a SyncShipment BOD from WMS. In this case of LX initiating a transaction creating a Shipment (for a type 5 warehouse), LX must handle the received AcknowledgeShipment BOD prior to handling the received SyncShipment BOD. Because Infor ION does not guarantee sequence of delivery of BODs, any time LX receives a SyncShipment BOD, a test is made of XID and if LX is awaiting at least one AcknowledgeShipment BOD, then this SyncShipment BOD is saved for later handling.

Prior to LX Extension patch 2.3.002, all XID records written for BOD nouns for which LX is SOR, were written with blanks in the field for official SOR identifier. This has the potential of creating a

situation in which LX incorrectly thinks that it is awaiting a response AcknowledgeShipment BOD from WMS (due to existence of XID for BOD noun Shipment with blanks in field for official SOR identifier) and saving a received SyncShipment BOD for later handling, even though the only XID for BOD noun Shipment with blanks in field for official SOR identifier are from LX transactions in a warehouse other than a type 5 warehouse, meaning that LX is SOR. In this situation, the received SyncShipment BOD would never be handled by LX.

There are two parts to the resolution of this potential problem.

1. Effective with LX Extension patch 2.3.002, all XID records written for BOD nouns for which LX is SOR are now written with a non-blank value in the field for official SOR identifier.
2. A cleanup program is included, starting with LX Extension patch 2.3.002, and automatically executed during installation of LX Extension. This cleanup program finds all XID records for standard BOD nouns supported by LX (except for Shipment), for which LX is SOR and for which the field for official SOR identifier contains blanks, and places an appropriate non-blank value in the field for official SOR identifier. If during LX Extension installation you checked box “I have an integration using Shipment BOD and type 5 warehouses”, then the cleanup program finds each XID record for BOD noun Shipment with blanks in field for official SOR identifier and uses the value in field for internal LX identifier to read the originating LX transaction and either leave the field for official SOR identifier blank if the LX transaction is for a type 5 warehouse or place an appropriate non-blank value in field for official SOR identifier if the LX transaction is for a warehouse other than type 5. If box “I have an integration using Shipment BOD and type 5 warehouses” remains unchecked, then the cleanup program reads all XID records for all BOD nouns supported by LX, including Shipment, with blanks in field for official SOR identifier and places an appropriate non-blank value in field for official SOR identifier.

Note this cleanup program only looks at standard BOD nouns supported by LX. If you support any custom BOD nouns or have customized usage of any of the standard BOD nouns supported by LX, use the source code of cleanup program UPD80783B (found in subfolder doc within parent folder in which LX Extension was installed) as a template for writing and executing a custom cleanup program for XID records associated with your custom BODs and custom usage of the standard BOD nouns supported by LX. Execute your custom cleanup program after installing LX Extension, but before starting the LX Adapter.

Appendix J Migrating Infor OS configuration Ming.le to Infor OS Portal Cloud

Migration is the process of pushing all the data (Applications, Context Apps, configurations etc.,) from Infor OS Ming.le to new Infor OS Portal.

This step is required only when Customer is migrating from Infor OS Ming.le to Infor OS Portal.

All Application data does not get migrated and will remain as-is in old Infor OS. The migration consists of user content and settings such as application settings, bookmarks, homepages and Infor Go favorites.

To perform migration, go to migrate the **OS** -> **Portal** -> **Migration**.

By selecting required check boxes, Admin can perform complete or partial data migration from Infor OS to Portal.

By enabling “**Test run**” option, a mock migration can be run to check for errors if any before doing actual migration.

Log is displayed at the bottom once the migration is complete.

Finalizing the Migration: After testing and validation is complete, you will need to finalize your migration transition. To do so, please log a case and assign to **Product Line = Infor OS (Operating Services)** and **Product = Infor Portal (OS)**. Include in your request to finalize the tenant(s) migration with the following details:

- Customer name as listed within your support Portal or concierge account
- Customer contact details
- Customer tenant ID list (full URLs)

During this finalization process, Infor will migrate all the content from Infor OS to Infor OS Portal on your behalf.

Note: While Infor recommends performing a final data migration as a best practice on the customer's behalf, customers wishing Infor to bypass this final migration step can request this be skipped for their tenant(s). The most common reason for asking Infor to skip this step are customers that have already completed their migration using the migration tool in Infor OS Portal.

Important: The finalization process is non-reversible and once a tenant migration is finalized, all Cloud Suite access will be via Infor OS Portal.

Once a tenant is set to OS Portal Final mode, it will only use the Portal URL for the login and show "v2" in the URL. However, if a user tries to login with the Infor OS Portal URL, a redirect to the Portal URL will automatically occur.

It is recommended that you refresh the page after completion of migration. Refresh message will be displayed at the top of the portal page.

After successful migration, the "**OS** -> **Portal** -> **Applications**" section will be updated with all the applications from Infor OS Portal.

For more information on Applications, please refer to Chapter 3: Applications in ***Infor OS Portal Administration Guide.***

To view the LX Context Apps and widgets go to **OS** -> **Portal** -> **Standard Widgets**.

Primary, Secondary and Tertiary Context App views are replaced by the new LX IDF Context Widget in Portal.

Once all the customers are migrated from Infor OS to new Portal, the Primary, Secondary and Tertiary Context Apps will be deleted from Infor OS registry and will not be available to use. The new "**LX IDF Context**" widget is also available here.

Note: If you have 1 or more Infor OS Ming.le Context App views configured for an LX environment, after migration of data from Infor OS Ming.le to Portal, a default "Widgets" Insight Group is created (containing Context App views migrated from Infor OS Ming.le). Users need to delete the "Widgets" Insight Group and create a new Insight Group with the desired name selecting the new LX IDF Context Widget available in the Portal.

Deletion of Default Insight Group in Smart Panel

The migration process will create a default Insight Group called "**Widgets**" for each LX application migrated from Infor OS Ming.le to Portal. All contextual applications migrated from Infor OS Ming.le are added to this default group in Infor OS Portal in combination with the current configuration of Default Widgets in Infor Registry.

The 3 LX IDF Context app views (**Primary, Secondary and Tertiary**) are replaced by single Context Widget called "**LX IDF Context**" in Portal. Existing "**Widgets**" Insight Group need to be deleted and new Insight Group can we be created for that specific LX application by individual user or by Admin. While creating new Insight Group the new "LX IDF Context" widget needs to be configured and used to setup 3 Context Widgets.

The Insight Group created by Administrator can be published to all the other users on the Portal tenant to re-use the Insight Group and the widgets configured in it.

To delete the default "**widgets**" Insight Group, open the required LX application, go to "Widgets" Insight Group ->Click-On Ellipsis (…) Under Administration select the delete option and Click-On confirm delete.

Disabling context app views in Infor OS Portal Cloud

As mentioned in limitations above, the Primary, Secondary and Tertiary Context App views are replaced by the new LX IDF Context Widget in Portal.

All LX Users need to stop using these 3 widgets in Infor OS Portal.

To avoid further issues, it is recommended that the Administrator disable the 3 Context Apps views in Portal following below steps.

Go to **OS** -> **Portal** -> **Standard Widgets,** select the 3 context app views one by one and click on Permissions -> Edit Permissions.

In **Permissions** window, select the drop down. Change the Catalog from **Configure** or **View** to **Disabled**.

Once disabled, these 3 Context app view widgets are disabled on this tenant and users cannot view or select them in Widget Catalog to add in Insight Groups.