Commerce Gateway User Guide

Version Number 7.4.14

Infor Distribution A+ 10.03.00 or later

Contents

CHAPTER 1   Using the Commerce Gateway   1
Administrators Console

The Commerce Gateway application consists of a Server application and a Client Engine application.

The Commerce Gateway Server supports the Administrators Console which is the user interface of the Commerce Gateway application. This interface is provided so that system administrators can obtain information about transactions run by the Commerce Gateway, manage Commerce Gateway subscribers, and define the Commerce Gateway system settings. The system administrator who uses this application must be familiar with the system's configuration data (such as back-end job processing settings), Java, and XML.

The Client Engine supports the XML transactions that are used to process incoming and outgoing data requests between Infor Distribution A+ and your vendors, suppliers, and customers.

NOTE: When using the IBM i, XML transaction throughput is limited to 16MB per send or receive.

Commerce Gateway Administrator Console
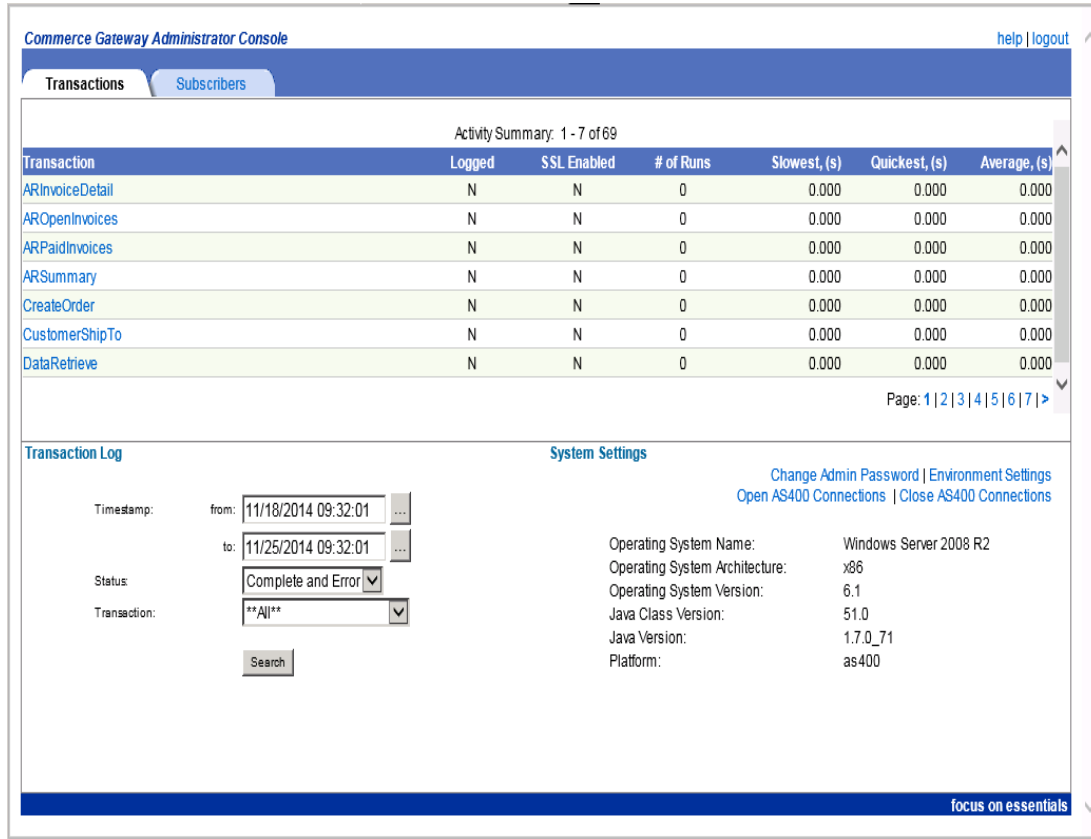
The Commerce Gateway Administrator Console is divided into three panels. The top panel tabs are used to work with the application's transactions and subscribers. The lower-left panel is used to work the Transaction Log; the lower-right panel is used to work with the System Settings.

For more information about using the Administrators Console, refer to:

- "Logging On and Off" on page 1-2
- "Understanding the Transactions Activity Summary" on page 1-3
- "Working with Subscribers" on page 1-4
- "Understanding the Transaction Log" on page 1-7
- "Setting the System Settings" on page 1-8

Logging On and Off

To log on to the Commerce Gateway, you will use the administrator user ID and password provided with the Commerce Gateway application. The supplied user ID and password for the administrator is

ADMIN. Verify that these values are the same or different for your installtion.Once you have logged on, you can change the password for the administrator in the system settings.

To log on:

1. Launch Commerce Gateway application (e.g. http:/CGServer:8080/gatewayAdmin). The *Administrator Login* page appears.

2. In the User ID and Password fields, enter the user ID and password you want to use to log on. Click the **Login** button or press ENTER.

3. The Commerce Gateway Administrator Console page appears.

To log out of the application, click the **Logoff** button in the top right corner.

Understanding the Transactions Activity Summary

The transaction activity summary for the Commerce Gateway displays in the top half of the Administrators Console on the Transactions tab. When you first log in, this panel displays the activity summary which lists the following information for each type of transaction available:

- the number of times the transaction has been run
- the duration, in seconds, of the slowest run of the transaction
- the duration, in seconds, of the fastest run of the transaction
- the average duration, in seconds, of all runs of the transaction

Testing Transactions

From the transaction summary, you can view, edit, and test the data in the format of each type of transaction. To test a transaction:

1. Click the **Transaction** link in the activity summary.

2. The page refreshes to display the transaction format.

3. You can change the data between the tags of the transaction format in the document text box and save the data changes by selecting the **Save sample XML** check box.

4. If you want to test the transaction through the Commerce Gateway Secure Client, select the **Use SSL** check box. If the check box is cleared, the transaction will be tested through the Commerce Gateway Client.

5. Click **Submit** to test the transaction. The document response and the total time to complete the transaction are displayed

6. To edit and test the transaction again, click the **Test Transaction** link. To return to the activity summary, click the **Activity Summary** link.

Enabling Logging for Transactions

You can activate and deactivate logging for transactions. If you are working with a particular transaction, you may want to enable logging for only that transaction to keep the log clear of the other transactions while you are working with a specific transaction. To enable logging:

1. Click the **Transaction** link in the activity summary.
2. The page refreshes to display the transaction format.
3. Click the **Enable Logging** link in the top-right. When the transaction is being logged, the link displays as **Disable Logging**.
4. To remove the logging setting for a transaction, click the **Disable Logging** link.

Enabling SSL for Transactions

You can secure Commerce Gateway Transactions using Secure Socket Layer protection (SSL). To use SSL for transactions, you must have enabled, SSL on your web server, specified SSL ports during the Commerce Gateway Client installation, and configured your environment settings for those ports.

Enabling SSL for a transaction secures the transaction data between the browser from which the web user submits data and the Commerce Gateway Client. Transactions with SSL enabled are processed through the Commerce Gateway Secure Client. Transactions without SSL are processed through the Commerce Gateway Client.

> NOTE: You only need to enable SSL for transactions if you are using Commerce Storefront.

For a secured transaction, the link on the page that displays the transaction format will be **Disable SSL**. For an unsecured transaction, the link will be **Enable SSL**.

To secure a transaction:

1. Click the **Transaction** link in the activity summary.
2. The page refreshes to display the transaction format.
3. Click the **Enable SSL** link in the top-right. When the transaction is secured, the link displays as **Disable SSL**.
4. To remove the SSL setting for a transaction, click the **Disable SSL** link.

Working with Subscribers

Subscribers are users that are able to log in to the Commerce Gateway to run transactions. Each subscriber has transactions associated with it. You can control which transactions a subscriber can run when you create the subscriber.

The subscriber information displays on the Subscribers tab of the Administrators Console.

Searching for Subscribers

To search for defined subscribers:

1. Click the **Subscribers** tab. The page refreshes to display the subscriber search fields.

2. Enter your search criteria and click the **Search** button. A list of subscribers matching your search criteria appears. From this list, you can

   - view and edit transaction details for a subscriber. Refer to "Viewing Subscriber Details" on page 1-5.

   - edit the subscriber's name, password, or description. Refer to "Editing a Subscriber" on page 1-6.

   - delete the subscriber, by selecting the check box of the subscriber you want to delete and clicking the Delete button.

Viewing Subscriber Details

To view details about a subscriber:

1. From the search results, click the **Subscriber ID** link. The page refreshes to display a list of transactions. Transactions that the subscriber is authorized to run have the check box selected. To change the transactions available to the subscriber, select or clear the check box for the transaction. Click the **Submit** button to confirm and the save the changes.

2. To edit the details for a subscriber's transaction, click the **Name** link of the transaction you want to edit. The page refreshes to display the details for the subscriber's transaction.

3. You can change the following information for the transaction:

Subscriber Transaction Detail

Field	Description
Redirect URL	If you want the transaction response to be directed to a URL other than the URL that submitted the transaction request, enter the URL to which the response will be directed. Optional
Transaction Header	Formatting and parameter information that needs to be included in the header of the transaction when it is submitted by this subscriber. For example, a transaction may need to include data, such as a company number or parameters, such as a user ID and password. A header may look like: `?request=(data)`, where data is the required data string. Optional

Subscriber Transaction Detail

Field	Description
Transaction Footer	Formatting and parameter information that needs to be included in the footer of the transaction when it is submitted by this subscriber. For example, a transaction may need to include data, such as a company number or parameters, such as a user ID and password. A footer for including log in parameters may look like: **&userID=JSMITH &password=JOHN**. Optional
XSL Map IN	The directory to which incoming XML documents will be sent for conversion to dcXML for processing. The **Currently** field displays the current directory setting. Use the **Change to** field to enter a different directory. Optional
XSL Map OUT	The directory to which outgoing dcXML document will be sent for conversion to XML for transmission. The **Currently** field displays the current directory setting. Use the **Change to** field to enter a different directory. Optional

4. Click the **Submit** button to confirm and save the changes.

Editing a Subscriber

To edit the subscriber's name, password, or description:

1. From the search results, click the **Edit** link for the subscriber you want to edit. The page refreshes to display the subscriber information.
2. You can change the following information for the subscriber:

Edit Subscriber

Field	Description
Name	The subscriber's name.
Old Password	The subscriber's current password.
New Password	The subscriber's new password.
Confirm Password	The subscriber's new password, entered a second time for confirmation.
Description	A description to identify the subscriber.

3. Click the **Submit** button to confirm and save the changes.

NOTE: If you are editing the administrator subscriber to change the password, you must also change the password in the System Options. Refer to "Changing the Administrator Password" on page 1-9 for instructions.

Creating a Subscriber

To create a subscribers:

1. Click the **Create Subscriber** link. The page refreshes to displays the fields for creating a subscriber.

2. To create a subscriber, you must define the following information:

New Subscriber

Field	Description
ID	The ID that the subscriber will use to log on to the Commerce Gateway.
Password	The password that the subscriber will use to log on to the Commerce Gateway.
Name	The name of the subscriber.
Description	Descriptive text to further identify the subscriber.

3. Click the Create button to save the subscriber.

Understanding the Transaction Log

The transaction log displays in the lower left panel of the Commerce Gateway user interface. You can review transaction information for completed transactions and/or transactions that could not be completed because of an error.

Searching for Transactions and Using the Search Results

To search the transaction log:

1. In the **Timestamp** fields, select the date and time from which you want to search and the date and time to which you want to include transactions.

2. In the **Status** drop box, select the status of the transactions you want to review.

3. In the **Transaction** drop box, select the type of transaction you want to review in the log or leave ****All**** selected to display all transaction types in the log.

4. Click the **Search** button. The page refreshes to display the transactions that match your search parameters. The transactions are listed in date/time sequence from the most current transaction. The

transaction name, subscriber ID, and the date and time of the transaction run, and any error messages are included in the search results.

For transactions with errors, you can view the complete error message by clicking the link in the **Message** column. You can also view the inbound XML document for failed transactions by clicking the link in the **XML** column. You can then review the format for errors that may have caused the transaction to fail. Jobs with errors can be resubmitted using the **Resubmit** link in the **Resubmit Job** column.

If a transaction response is configured to be directed to a machine other than the machine that submitted the request, the **Redirect Response** column displays the response from the machine to which the transaction results were directed. If the column is blank for a transaction, either the submission was successful or it was not redirected. If the redirect failed, you can resubmit the job. You can also set the Environment Settings to resubmit failed transactions. Refer to "Setting the Environment Settings" on page 1-9.

For Distribution A+ jobs, the **Trans Job** column displays the IBM i job number.

Purging the Transaction Log

When you purge the transaction log, they will no longer be available to review from the Administrators Console. Transactions are not permanently deleted by the purge, instead, transaction log data is moved to the TranLogHist table in the Commerce Gateway database where it is available for queries if you need it.

To purge the transaction log:

1. Use the transaction search to display the transactions that you want to purge. Refer to "Searching for Transactions and Using the Search Results" on page 1-7 for help searching for transactions.

2. When the transactions that you want to purge are shown, click the **Purge** button to move the data to the TranLogHist table.

Setting the System Settings

The system settings for Commerce Gateway are set using the lower right panel of the Commerce Gateway User Interface. By default, this panel displays the following information about the machine on which the Commerce Gateway is running:

- Operating System Name
- Operating System Architecture
- Operating System Version
- Java Class Version
- Java Version
- Platform

To return to these settings from the other options in this panel, click the **System** link.

Changing the Administrator Password

By default the administrator user's password is ADMIN. You can change this password to secure the Administrator's Console. To change the administrator password:

1. Click the **Change Admin Password** link. The page refreshes to display the fields for changing the password.

2. You must enter the following information:

Change Admin Password

Field	Description
Old	The administrator's current password.
New	The administrator's new password.
Password	The administrator's new password, entered a second time for confirmation.

3. Click the **Submit** button to confirm and save the changes.

4. You must also edit the administrator subscriber to change the password. Refer to "Editing a Subscriber" on page 1-6 for instructions.

Setting the Environment Settings

To set the environment settings:

1. Start the Commerce Gateway Client and the Commerce Gateway Secure Client (if using SSL) before you specify the environment settings.

2. Log in to Commerce Gateway.

3. Click the **Environment Settings** link. The page refreshed to display the fields for defining the environment settings.

4. You must define the following information:
   - Distribution A+ Connection Settings (p. 1-10)
   - IBM i Pre-Start Job Options (p. 1-10)
   - RMI Settings (p. 1-10)
   - CMS Settings (p. 1-11)
   - Redirect Settings (p. 1-11)
   - Connection Pool Settings (p. 1-12)

Distribution A+ Connection Settings

Field	Description
User ID	The User ID that the Commerce Gateway will use to sign on to the back-end application.
User Password	The password for the user ID used to sign on the back-end application.
Server Name	The name of the IBM i server with which the Commerce Gateway will communicate.
Base ID	Enter the Distribution A+ base ID to use with Commerce Gateway. If you are not using multiple bases, enter 2.
Environment	The Distribution A+ environment with which the Commerce Gateway will communicate.

IBM i Pre-Start Job Options

Field	Description
Number of Pre-Start Jobs	The number of connections to have open and waiting for the Commerce Gateway to use to process jobs. Having connections open decreases processing time for transactions, however, open connections do use IBM i system resources. Be sure to analyze your job usage to establish values that meet the needs of your organization.
Maximum Number of Jobs	The maximum number of connections that can be started for the Commerce Gateway. If the number of jobs that need processing exceeds the maximum number of connections allowed, transactions will not be able to process. However, setting the maximum too high will use system resources unnecessarily. Be sure to analyze your job usage to establish values that meet the needs of your organization.
Job Duration	The length of time, in minutes, that a connection can be open and not in use. Connections that are open and unused longer than the time specified here will be closed.

RMI Settings

Field	Description
RMI Engine Server	The name of the machine running the Commerce Gateway Client. The RMI Engines runs the received request. If the Commerce Gateway application is being hosted, this will be the server at the customer location.

RMI Settings

Field	Description
RMI Registry Port	The registry port number the RMI Engine will use. This is the registry port number specified during the installation of the Commerce Gateway Client.
RMI Engine Port	The port number the RMI Engine will use. This is the port number specified during the installation of the Commerce Gateway Client.
RMI SSL Registry Port	The port number the RMI SSL Engine will use. This is the port number specified on the Commerce Gateway SSL Settings Window during the installation of the Commerce Gateway Client. Leave this field blank if you are not using SSL.
RMI SSL Engine Port	The port number the RMI SSL Engine will use. This is the port number specified on the Commerce Gateway SSL Settings Window during the installation of the Commerce Gateway Client. Leave this field blank if you are not using SSL.

CMS Settings

Field	Description
CMS Database Server	The name of the machine on which the CMS database is installed.
SQL Port	Enter the number of the port Microsoft SQL Server will use. Typically, the port number is 1433. (N 8,0) Required
CMS Database Name	The name of the CMS database.
CMS Database User	The user ID of the user authorized to access to the CMS database.
CMS Database Password	The password of the user authorized to access the CMS database.

Redirect Settings

Field	Description
Number of Retries	The number of times the Commerce Gateway should attempt to submit a redirected transaction that has failed in its first attempt.
Retry Interval (sec)	The interval the Commerce Gateway should wait between resubmitting redirected transactions that have failed.
Content Type	The type of content the redirect retry will contain. Typically, this field will be set to application/xml.

Connection Pool Settings

Field	Description
Prestart ERP Pool	Select this field if you want to start a pool of connections to the ERP that will be available when Commerce Gateway JDBC transactions requesting data from the ERP need them. Prestarting connections eliminates connection time from the transaction, making the request for data faster.
Initial ERP Connections	The number of connections to prestart. This is the number of connections that will initially be available to Commerce Gateway JDBC transactions requesting data from the ERP.
Max ERP Connections	The maximum number of connections to start. If the maximum number of connections is reached, transaction requests must wait until a connection becomes available.
Job Duration	The length of time, in minutes, that a connection can be open and not in use. Connections that are open and unused longer than the time specified here will be closed.

5. Click **Update** to confirm and save the settings.
6. Check the Commerce Gateway Client command windows to confirm that the message Service Started Successfully displays after you update your settings. This message confirms that the client is communicating with the web server. If no message displays, check your registry and engine port numbers and the IP address to be sure they match the IP address and port numbers specified during the installation of the Commerce Gateway Client.

Opening and Closing the IBM i Connections

This section applies to Distribution A+ users only.

Opening the IBM i connections establishes contact with the back-end application for the number of pre-start jobs that you set in the environment options of the Commerce Gateway. Open connections are ready to process jobs from the Commerce Gateway. The first transaction can also establish the connection with the IBM i, however, using the transaction to create the connection will cause the transaction to take longer to complete.

To open the IBM i connections, click the **Open AS400 Connections** link. A message confirms that the connections were opened.

To close the IBM i connections, click the **Close AS400 Connections** link. A message confirms that the connections were closed.

Maintaining Gateway Linking Information for Commerce Gateway

2

To be able to send XML documents to vendors defined in Distribution A+, you must set up the gateway linking to indicate which outbound transaction programs will be transmitted via XML and the subscriber information for the vendor must be provided.

You will maintain vendor information for the Commerce Gateway using the Gateway Linking Information Maintenance option on the Commerce Gateway File Maintenance Menu (MENU GWFILE). You can print a listing of the settings using the Customer/Ship to Gateway Information Listing option.

Refer to APPENDIX A: *Custom Transaction Linking* for information needed by Infor Consulting Services to complete the linking.

Gateway Linking Information Maintenance

The screens and/or reports in this option and a brief description of their purpose are listed in the following table. A complete description of each is provided in this section.

Title	Purpose
Gateway Transaction Linking Selection Screen	Use to select the vendor and item combination for gateway linking.
Gateway Transaction Linking Maintenance Screen	Use to identify the specific calling program to be used for this specific the vendor and item combination for gateway linking.

Gateway Transaction Linking Selection Screen

```
GATEWAY TRANSACTION LINKING SELECTION


        Function:          _      (A,C,D)

        Calling Program:  ..........

        Vendor No:        .......
             Find:        ..........................................
             City:        .........

        Warehouse?        1..

        Item Number:      .............................
             Find:        ..........................................
             Item No:     ............................. Class? .....






                                                   F3=Exit
```

This screen appears after selecting option 1 - Gateway Linking Information Maintenance from the Commerce Gateway File Maintenance Menu (MENU GWFILE).

Use this screen to specify the parameters to maintain Commerce Gateway linking information. By completing different layers of selection criteria, you may create one generic program link or detailed vendor, warehouse, item links.

> NOTE: When data exists in this Gateway Transaction Options File (PAMST) for the Order Entry Item Detail Program (OE101B), the F19=P&A function key will display on the Item Review Screen of Enter, Change & Ship Orders.

Gateway Transaction Linking Selection Screen Fields and Function Keys

Field/Function Key	Description
Function	Use this field to specify the type of maintenance you want to perform.
	Key A to add vendor linking information.
	Key C to change vendor linking information.
	Key D to delete vendor linking information.
	(A 1) Required
Calling Program	Key the outbound transaction program name that will be submitted through Commerce Gateway.
	If the transaction is happening from within Enter, Change & Ship Orders (MENU OEMAIN), this may be program OE101B.
	(A 10) Required

Gateway Transaction Linking Selection Screen Fields and Function Keys

Field/Function Key	Description
Vendor No	Use this field to specify the number of the vendor for whom you want to maintain Commerce Gateway linking information.
	If you do not know a vendor number, use the vendor search by keying search words (or beginning characters) in the **Find** and **City** fields.
	Valid Values: Any existing vendor specified in Vendors Maintenance (MENU POFILE/MENU APFILE)
	(A 6) Optional
Find	Use this field to activate the Vendor Search feature when you do not know the vendor's number.
	Key the vendor's name or up to 10 characters (the first 10) of one or more words in the vendor's name and press ENTER to display the Vendor Search Screen.
	To limit the vendor search by city (i.e., search for the specified vendor name within a particular city), key a city in the **City** field as well.
	For more information on using searches and for a description of the search screens, refer to the Cross Applications User Guide.
	(A 40) Optional
City	When using the **Find** field to search for a vendor, you can limit the search to a particular city by keying a partial or complete city name in this field.
	If you enter characters in this field, the Vendor Search Screen displays only vendors that meet the criteria specified here and in the **Find** field.
	For more information on using searches and for a description of the search screens, refer to the Cross Applications User Guide.
	(A 8) Optional
Warehouse	This field displays only if the System Options Maintenance (MENU XAFILE) **Multi Warehouse** field is set to Y.
	This field limits the inquiry to a specific warehouse. If left blank, orders for all warehouses will display.
	Default Value: The default warehouse defined in Authority Profile Maintenance (MENU XASCTY) if one has been defined; otherwise, this is the **Default Warehouse** defined through Company Name Maintenance (MENU XAFILE)
	Valid Values: A valid warehouse number defined through Warehouse Numbers Maintenance (MENU IAFILE) which you are authorized to access through Authority Profile Maintenance (MENU XASCTY).
	(A 2) Optional

Gateway Transaction Linking Selection Screen Fields and Function Keys

Field/Function Key	Description
Item	Key the item number you want assigned to create linking parameters for.
	Valid Values: A valid item number defined through Item Master Maintenance (MENU IAFILE).
	(A 27) Required
Find (Item)	Use this field to search for an item using one or more words that closely match the item for which you are searching. The words you key may be up to 15 characters long and may appear in any order. Key the most unique words to improve the speed of the search. Leave this field blank if you would like to search on an item class.
	To search for manufacturer item numbers, prefix the criteria you enter with M/. The system will search based on the Vendor/Item File (VNITM) valid manufacturer item number.
	To search for customer item numbers, prefix the criteria you enter with C/. The system will search based on the Item/Customer Cross Reference File (IAXRF) valid customer item numbers.
	To search for UPC cross references, prefix the criteria you enter with U/. The system will search based on the Universal Product Code File (ITUPC) for valid UPC cross references.
	To search for GTIN cross references, prefix the criteria you enter with G/. The system will search based on the Global Trade Item Number File (ITGTIN) for valid GTIN cross references.
	(A 40) Optional
Item No (Item)	This field may be used in addition to, or in place of, entering search criteria in the **Find** field to further limit the items to display.
	Key a partial item number. All items that match the characters of the item number keyed in this field will display. This is helpful if you recall part of an item number, but not the entire number.
	For information on entering search criteria, refer to the Cross Applications User Guide.
	(A 27) Optional
Class (Item)	This field may be used in addition to (not in place of) the search criteria in the **Find** or **Item No** fields to further limit the number of items that will display, based on their item class.
	Key the appropriate item class and sub-class, if any. Only items that have been assigned the item class that is keyed in this field will display on the Item Description Search Screen.
	For information on entering search criteria, refer to the Cross Applications User Guide.
	(A 2/A 2) Optional

Gateway Transaction Linking Selection Screen Fields and Function Keys

Field/Function Key	Description
F3=Exit	Press F3=EXIT to return to the menu.
Enter	Press ENTER to confirm your entries.
	If vendor search criteria is entered, the Vendor Search Screen will appear. Refer to this screen as described in the Purchasing User Guide.
	If item search criteria is entered, the Item Description Search Screen will appear. Refer to this screen as described in the Inventory Accounting User Guide.
	Otherwise, the Gateway Transaction Linking Maintenance Screen (p. 2-6) appears.

Gateway Transaction Linking Maintenance Screen

```
         GATEWAY TRANSACTION LINKING MAINTENANCE      CHANGE


    Calling Program: OE101B

    Vendor No:       IC1000  LITTLE ITALY RESTAURANT SUPPLY

    Warehouse:       1   Hartford, CT

    Item Number:     A140
                     3-Ring Binder - 1" Red


    Program Name:    CustomPgm1,









                                          F12=Return
```

This field appears after you press ENTER on the Gateway Transaction Linking Selection Screen (p. 2-2). Use this screen to provide the specific RPG program to be executed for this linked transaction.

Gateway Transaction Linking Maintenance Screen Fields and Function Keys

Field/Function Key	Description
Calling Program	The program name identified that will launch the outbound transaction to the Commerce Gateway.
	Display
Vendor No	The vendor selected, if any, for this specific linked gateway transaction.
	Display
Warehouse	The warehouse selected, if any, for this specific linked gateway transaction
	Display
Item Number	The item number selected, if any, for this specific linked gateway transaction.
	Display
Program Name	Use this identify the RPG program that will be called and processed for this specific linked transaction.
	Key the custom RPG program name to submit the outbound transaction to the Commerce Gateway.
	(A 10) Required

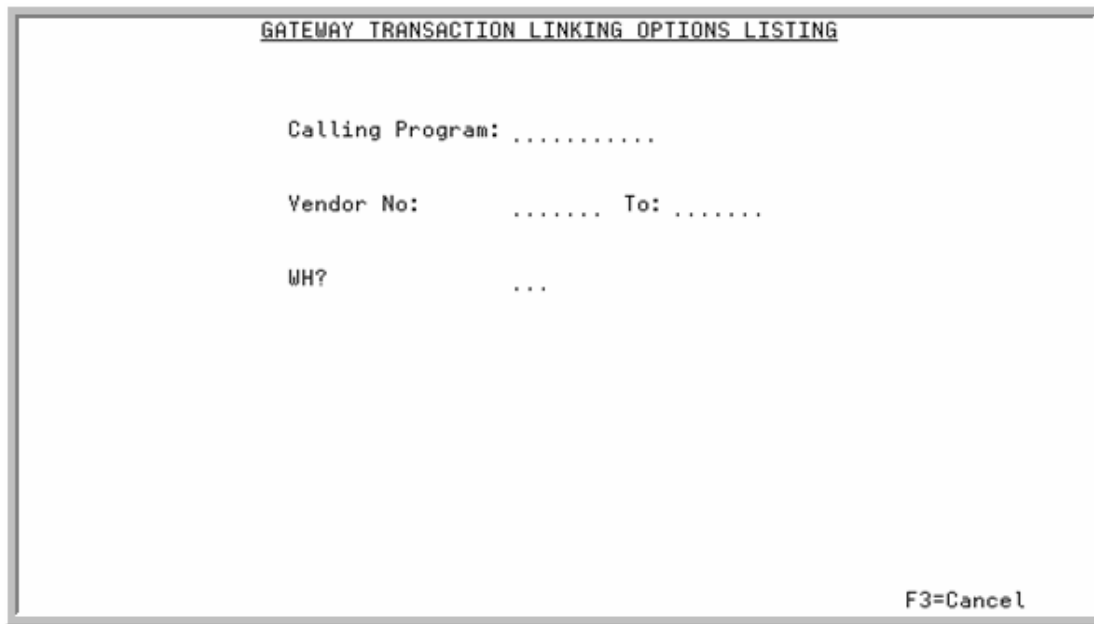**Gateway Transaction Linking Maintenance Screen Fields and Function Keys**

Field/Function Key	Description
F12=Return	Press F12=RETURN to return to the Gateway Transaction Linking Selection Screen (p. 2-2) without saving your changes.
Enter	Press ENTER to confirm and save your entries. The Gateway Transaction Linking Selection Screen (p. 2-2) will display.

Gateway Linking Information Listing

The screens and/or reports in this option and a brief description of their purpose are listed in the following table. A complete description of each is provided in this section.

Title	Purpose
Gateway Transaction Linking Options Listing Screen	Use to select the program criteria for the Gateway Transaction Linking Listing.
Gateway Transaction Linking Listing	Use to review the Gateway Transaction Linking Listing.

Gateway Transaction Linking Options Listing Screen

```
              GATEWAY TRANSACTION LINKING OPTIONS LISTING


              Calling Program: ...........


              Vendor No:       ....... To: .......


              WH?              ...




                                                          F3=Cancel
```

This screen displays after selecting option 11 - Gateway Linking Information Listing (MENU GWFILE). Use this screen to select the range of vendors, a calling program and/or warehouse. The criteria entered here, limits the information to print on the listing.

Gateway Transaction Linking Options Listing Screen Fields and Function Keys

Field/Function Key	Description
Calling Program	Key the identifying CL program that will be submitted through Commerce Gateway for which you want override output queues printed. (A 10) Optional
Vendor	Key the range of vendor numbers to limit the linking programs that print on your report. (2 @ A 6) Optional
WH	Key the warehouse to limit the inking programs that print on your report. (A 2) Optional
F3=Cancel	Press F3=CANCEL to cancel this option and return to the menu.
Enter	Press ENTER to confirm your selections. The Report Options Screen will display. Refer to the Cross Applications User Guide for more information.

Gateway Transaction Linking Listing

```
GW875   04/13/15  10:59:10              GATEWAY TRANSACTION LINKING LISTING              A7/APDEMO     PAGE:    1
                   Calling Program: All         Vendor: All Vendors        WH: All Warehouses
Calling Pgm Vendor  Name                         WH  Item
----------------------------------------------------------------------------------------------------------------
OE101B     IC1000  LITTLE ITALY RESTAURANT SUPPLY  1  A140
                   Program to execute: CustomPgm1     3-Ring Binder - 1" Red
```

This report prints following your selections on the Gateway Transaction Linking Options Listing Screen (p. 2-8) and the Report Options Screen (refer to the Cross Applications User Guide for details about this screen).

For an explanation of the fields on this listing, refer to Gateway Linking Information Maintenance (MENU GWFILE).

Custom Transaction Linking

A

Custom Price & Availability Transactions

Custom Price and Availability transactions can be created by Infor Consulting Services to allow price and availability information to be retrieved from a supplier and the back end Distribution A+ application. The retrieved information will be able to be displayed in the stand alone catalog and Distribution A+.

The custom detail page will be coded to create the dcXML Price and Availability transaction (if one is defined for the vendor) and post it to the required URL. The response will be received, parsed and displayed on the catalog detail page. The results will be displayed using an in-line frame so that the rest of the detail information can display immediately, and the Price and Availability info will display when it is received.

Generic standard dcXML layout within the Commerce Gateway for the Price and Availability transaction

dcXML Request Sample

```
<request name="GetAvail">
 <TransactionID>123</TransactionID>
 <RequestID>010000000100</RequestID>
 <Items>
  <WarehouseID>1</WarehouseID>
  <OrderQuantity>100</OrderQuantity>
  <UnitofMeasure>EA</UnitofMeasure>
  <VendorCost>5</VendorCost>
  <VendorPrice1>10</VendorPrice1>
  <VendorPrice2>10</VendorPrice2>
  <VendorPrice3>10</VendorPrice3>
  <VendorPrice4>10</VendorPrice4>
  <VendorPrice5>10</VendorPrice5>
  <NonStockFlag>N</NonStockFlag>
  <CalculatePrices>Y</CalculatePrices>
  <ItemNumber>A120</ItemNumber>
 </Items>
</request>
```

Assumptions and Limitations

- The Request ID is a 2 digit company number concatenated with a 10 digit customer number.

- If the Warehouse ID is omitted, then the P&A information will passed back for all warehouses. If a warehouse is passed, only information for that warehouse will be returned.

- The quantity is optional. If it is not passed, a quantity of one will be assumed.

- The unit of measure is optional. If not passed, the default stocking unit of measure will be assumed.

dcXML Response Example

```
<ItemAvailability>
 <TranHeader>
  <TransactionID>123</TransactionID>
 </TranHeader>
 <Item>
  <ItemNumber>A120</ItemNumber>
 </Item>
 <WarehouseInfo>
  <Warehouse>1 </Warehouse>
  <Qty>71453.974</Qty>
  <Price>4.75000</Price>
  <NextPOQty>216.000</NextPOQty>
  <NextPODate>19971221</NextPODate>
  <ErrorMessage>None</ErrorMessage>
  <PricingUOM>BOX</PricingUOM>
  <PricingUOMPrice>4.75000</PricingUOMPrice>
  <NextQtyBreak>.000</NextQtyBreak>
  <NextQtyPrice>.00000</NextQtyPrice>
  <NextBreakType>%</NextBreakType>
  <ExtendedPrice>475.00000</ExtendedPrice>
 </WarehouseInfo>
</ItemAvailability>
```

Contact Infor Consulting Services for further assistance with these Commerce Gateway transactions.

Index

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