



Infor VISUAL 10.0.0 Service Pack 4 Release Notes

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About this guide

This document describes features that are introduced in VISUAL 10.0.0.

You can find release notes on the Infor Support Portal.

Intended audience

This document is intended for any VISUAL user.

Related documents

You can find the documents in the product documentation section of the Infor Support Portal, as described in "Contacting Infor" on page 5.

Infor VISUAL 10.0.0 Hardware Guidelines

Infor VISUAL 10.0.0 Software Compatibility

Infor VISUAL 10.0.0 Applications Installation Guide

Infor VISUAL 10.0.0 Database Installation Guide for Oracle

Infor VISUAL 10.0.0 Database Installation Guide for SQL Server

Infor VISUAL 10.0.0 Schema Changes

Contacting Infor

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

The latest documentation is available from the Infor Support Portal. To access documentation on the Infor Support Portal, select **Search > Browse** documentation. We recommend that you check this portal periodically for updated documentation.

About this guide

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

Installing the service pack

Infor strongly recommends that you install the service pack in a test environment for evaluation prior to updating the production environment.

Updating an existing installation of VISUAL 10.0.0

To update an existing installation of VISUAL, you **must** complete these procedures:

- Backing up the SQL.ini file
- Uninstalling 7.3.1 components
- Installing the 7.3.3 runtimes
- Updating VISUAL programs
- Installing the Report Builder
- Applying patch scripts

Backing up the SQL.ini file

Before you install the Gupta 7.3.3 runtimes, we recommend that you make a copy of your SQL.ini file and store it in a location that is unaffected by the installation process, such as the desktop. After you install the new runtimes, you can paste your existing SQL.ini file into your runtime directory.

Uninstalling 7.3.1 components

You **must** uninstall the 7.3.1 runtimes before installing the 7.3.3 runtimes.

If you installed the Report Builder or the Object Nationalizer, you must also uninstall the 7.3.1 versions of these components.

Uninstall the runtimes on all application servers and clients.

- 1 Click the Windows start menu and search for the **Apps & features** dialog.
- 2 Click **Team Developer 7.3 Deployment**. Ensure that 7.3.1 is displayed.

- 3 Click **Uninstall**.
- 4 Follow the prompts to remove the 7.3.1 runtimes.
- 5 If you installed the Report Builder, uninstall it. In the **Apps & features** dialog, click **Gupta Report Builder 7.3.1** and then click **Uninstall**.
- 6 Follow the prompts to remove the Report Builder.
- 7 If you installed the Object Nationalizer, navigate to the runtimes directory, and delete **CNI73.exe**.

Installing the 7.3.3 runtimes

NOTE: Uninstall the 7.3.1 runtimes before you begin this procedure.

Infor VISUAL 10.0.0 Service Pack 4 requires the use of Gupta Runtimes version 7.3.3. If you are upgrading an existing installation of VISUAL 10.0.0, you **must** install the 7.3.3 runtimes.

Install the runtimes on all application servers and clients.

To install the runtime on either the client or the server:

- 1 On your installation media, open InforInstallerVM.htm.
- 2 Click Install/Update Runtime Components ver 7.3.3. The InstallShield Wizard is launched. If the InstallShield Wizard is not launched automatically, then you can open it manually. Navigate to the runtime733 folder, right-click **DeployUpdateRuntime.exe**, and select **Run as Administrator**.
- 3 Click **Next**.
- 4 Review the license agreement. If you agree, click **I accept the terms of the license agreement**.
- 5 Click **Next**.
- 6 Specify where to install the runtimes. You can use the same directory where you originally installed the 7.3.1 runtimes, or you can specify a different directory, such as c:\Infor\Gupta\Runtime73.
- 7 Click **Next**.
- 8 Select the components to install. We recommend installing all components. The SQL Router for Oracle and SQL Router for ODBC components are required.
- 9 Click **Next**.
- 10 Review the installation settings. If you are satisfied with your selections, click **Next**.
- 11 After the installation is complete click **Finish** to close the installation window.
- 12 If you installed the runtimes in a different directory than the 7.3.1 runtimes, copy the SQL.ini file that you backed up in the "Backing up the SQL.ini file" procedure into the runtimes directory.
- 13 Open the SQL.ini file.

- 14 In the **[win32client]** section, ensure that the runtime directory is specified in the **clientruntimeDir=** setting.

Updating Gupta 7.3.3 Runtime

NOTE: If Gupta Runtimes Version 7.3.3 from VISUAL 10.0.0 SP1 is currently installed, it needs to be updated.

Use this procedure to update the runtimes.

- 1 Stop all programs and services related to VISUAL ERP.
- 2 On your installation media, open InforInstallerVM.htm.
- 3 Click Install/Update Runtime Components version 7.3.3 to launch the update application. If the update doesn't proceed, then you can open it manually. Navigate to the runtime733 folder, right-click **DeployUpdateRuntime.exe**, and select **Run as Administrator**.
- 4 If the "Runtime Updated" message is displayed in the console, you can close the application.

Updating VISUAL programs

Use this procedure to update the executables, DLLs, QRP, and other files. You do not need to reinstall the runtimes.

- 1 From the disk or directory where you downloaded the service pack, double-click **Setup.exe**.
- 2 Click **Next**.
- 3 Select one of these options:

Install VISUAL 10.0.0 Application Server Set Up

Select this option to update your application server.

Install VISUAL Full Installation on Stand Alone PC

Select this option to install all VISUAL applications on a client.

Install VISUAL 10.0.0 Client Only Setup

Select this option to update the files that are used in a client installation. Client installation files include the user documentation, Pricebook files, COM files, and ActiveX controls. It will not install the full set of executables. When you select this option and then click Next, you are prompted to specify the location of VM.exe on your server.

- 4 Click **Next**. The installer displays the path to your VISUAL directory. To install the programs in a different location, click the **Change...** button to specify a new location for the installation.
- 5 Click **Next**.
- 6 Click **Install** to begin the installation.

- 7 Repeat the process for a full installation on all machines where you have installed all of the VISUAL executables. Repeat the process for a client installation on all machines that access VISUAL but do not have the full set of executables installed.

Installing the Report Builder

Install the report builder on any workstation or application server that will be used to customize standard reports.

To install the report builder:

- 1 On your installation media, open InforInstallerVM.htm.
- 2 Click **Install Report Builder 7**. The InstallShield Wizard is launched. If the InstallShield Wizard is not launched automatically, then you can open it directly. In the ReportBuilder folder, double-click setup.exe.
- 3 Click **Next**.
- 4 Specify the directory where you installed the runtimes.
- 5 Click **Next**.
- 6 Click **Install**.
- 7 Click **Finish**.

Applying patch scripts

Run the available patch scripts in sequential order.

To verify your current patch script level, select **Help > About** from the main VISUAL menu. The current patch level is displayed on the Database and Patch Level line.

- 1 Navigate to the directory where you store your VISUAL executables and launch the Conversion Utility, VMCVTUTL.exe.
- 2 Sign in with SYSADM credentials.
- 3 Verify that the information displayed for the database is correct. Correct any errors before proceeding.
- 4 Click **Run Script**.
- 5 Select the patch script to apply. For example, if the patch level of your database is 1000.0, apply patch script 1. Patch scripts are specific to the type of database that you use for VISUAL:
 - Oracle patch scripts begin with OR1000P
 - SQL Server patch scripts begin with SS1000P
- 6 Click **Open**. The patch script is applied to the database.

- 7 Repeat the process as necessary to install other patch scripts for your database type.

Installing VISUAL 10.0.0 for the first time using the SP4 installer

If you are upgrading from VISUAL 9.0.8 or earlier or if you have never installed Infor VISUAL, use the *Infor VISUAL Applications Installation Guide* to install VISUAL and its components.

After you complete the procedures in the Applications Installation Guide, use the database installation guide for your database engine to create or update the VISUAL database.

After you complete the procedures in the installation guide for your database engine, use this procedure to apply patch scripts for your database:

- 1 Navigate to the directory where you store your VISUAL executables and launch the Conversion Utility, VMCVTUTL.exe.
- 2 Sign in with SYSADM credentials.
- 3 Verify that the information displayed for the database is correct. Correct any errors before proceeding.
- 4 Click **Run Script**.
- 5 Navigate to the patch script 1 for your database type:
 - For Oracle, navigate to OR1000P01.
 - For SQL Server, navigate to SS1000P01.
- 6 Click **Open**. The patch script is applied to the database.
- 7 Repeat step 4 through 6 for the other patch scripts for your database type.

Enhancements

Service Charge browse

The **Service Charge ID** and **Service Charge by Description** standard browse lookups are replaced with the Advanced Browse window in these windows.

- Site Maintenance
- Estimating Window
- Customer Order Entry
- Order Management Window
- Shipping Entry

RMA Print Acknowledgement report

You can print RMA Line Specifications in the detail section of the **Print Acknowledgement** report.

Columns added to Resource Detail

The **Resource Detail** window now includes these columns:

- **Part ID** - The part ID of the work order is displayed. You can also use the drill-back arrow to view the part in the **Part Maintenance** window.
- **Part Description** - The description associated with the part is displayed.
- **Customer ID** - The ID of the customer associated with the customer order is displayed when a customer order is linked to the work order. You can also use the drill-down arrow to view the customer in the **Customer Maintenance** window.
- **Customer Name** - The name of the customer associated with the Customer ID is displayed when a customer order is linked to the work order.
- **Customer Order** - The Customer Order ID is displayed based on these scenarios:

- The Order ID of the customer order is displayed when a customer order is linked to the work order. You can also use the drill-back arrow to view the customer order in the preferred **Customer Order Entry** window.
- The **Multiple Links** text is displayed when more than one customer order allocation is associated with the work order. You can also use the drill-back arrow to view the linked customer orders in the **Select Linked Order to View** window.

Email Invoices

Two new tokens **%ARInvoiceCustOrderID** and **%ARInvoiceCustPORef** are included in the **Email AR Invoices** tab on the **Notification Maintenance** window. The tokens are added to these list boxes.

- Tokens – Subject Line
- Tokens – Header
- Tokens – Lines

These two new columns are added to the **Email Invoices** window to print two new tokens on the sent Invoice ID:

- **Customer Order ID** - Specifies the Customer Order ID on an invoice line. If there are multiple Customer Order IDs, each Customer Order ID is separated by a comma. On the email notification, the Customer Order ID is printed instead of the **%ARInvoiceCustOrderID**.
- **Customer PO Reference** - Specifies the Customer PO Reference for a Customer Order ID on an invoice line. If there are multiple Customer PO Reference numbers, each Customer PO Reference is separated by a comma. On the email notification, the Customer PO Reference is printed instead of the **%ARInvoiceCustPORef**.

Notification Maintenance enhanced

The **Notification Maintenance** window is enhanced, allowing you to access new tokens for sending notifications.

%VendorName – It contains the Vendor Name of the Vendor ID. The **%VendorName** token is added on the **PO Receipt**, **Purchase Order** and **Cash Disburse** tabs.

%CustomerName – It contains the Customer Name of the Customer ID. The **%CustomerName** token is added on the **Shipment**, **Customer Order** and **Cash Receipt** tabs.

%OrderLinePartDescription – It contains the Part Description of the Part ID. The **%OrderLinePartDescription** token is added on the **PO Receipt**, **Purchase Order**, **Shipment**, and **Customer Order** tabs.

Tokens are available when sending **Notifications** for these windows:

- Purchase Order Entry
- Purchasing Window
- Customer Order Entry
- Order Management Window
- Shipping Entry
- AP Payment Entry (only the **%VendorName** token)
- AR Cash Application (only the **%CustomerName** token)

Part WorkOrder History added

The **WorkOrder History** icon is added to the Main Toolbar of the **Material Planning Window**, allowing you to view a list of all work orders associated with the part.

Advanced planning automatic search preference

A new **Populate on initial open** check box is added in the **Firm Orders** window, allowing you to control the data to be populated on the advanced Firm/Release orders window.

In addition, the **Firm Orders** window now allows users to save the selected filters and configured options. Users can select a saved set of options to quickly populate the window.

OH Balance column added

A new **Show On Hand Balance Status** option is added in the **View** menu of the **Material Planning Window**. When the user selects this option, a new **OH Balance** column is added to the **Inventory Transactions** window. The **OH Balance** column displays the on hand balance during each transaction.

Search option added

A new **Search** option is added to the **Users** window, allowing you to search for a USER ID.

Scheduling outside services

The outside service operations are scheduled based on PO receive date. These are possible scenarios:

- When no purchase order linked to an outside service operation, the outside service operation is scheduled based on the service **Transit Days**.
- When a purchase order is linked to an outside service operation, the finish date of the outside service operation is set to the desired receive date of the purchase order. If the desired receive date of the purchase order is in the past, the outside service operation scheduling based on the service **Transit Days**.
- When a purchase order is linked and dispatched to an outside service operation, the start date of the outside service operation is set to the actual dispatch date of the dispatch entry. If the desired receive date of the purchase order is in the past, the outside service operation scheduling based on the service **Transit Days**.

Activities introduced in Manufacturing

You can now create activities for these windows in the **Manufacturing** window:

- **Work Order Header window**
 - Activities that you create for work orders have a **Relates To Type** of **Workorder**.
 - Activities that you create for engineering masters have a **Relates To Type** of **Eng Master**.
 - Activities that you create for quote masters have a **Relates To Type** of **Quote Master**.
- **Operation window** - Activities that you create in the Operation window have a **Relates To Type** of **Operation**.
- **Material window** - Activities that you create in the Material window have a **Relates To Type** of **Material**.

Manual email notifications

The **Preferences** window in the **Notification Maintenance** window is enhanced to provide 12 new check boxes, allowing you to set preferences for manually sending email notifications when you save an order, shipment, cash receipt, receipt, or AP Payment. When manual notifications are selected for a transaction, you can send an email notification using the **Send Notification** option.

This option is available in these windows:

- Customer Order Entry

Enhancements

- Order Management Window
- Shipping Entry
- AR Cash Application
- Purchase Order Entry
- Purchase Management Window
- Purchasing
- Purchase Receipt Entry
- AP Payment Entry

Trace Details added

The **Material Availability** and the **Work Order Receipts** windows are enhanced, allowing you to view the trace details of an item in the **Inventory Trace Details** window.

MRP by Release Date

The Material Planning Window is enhanced to allow the use of release date instead of the required date for Material Resource Planning (MRP) and Material Netting.

Resolved issues

This table lists the issues that are resolved in the service pack. The table shows the application name, file name, version number, defect number, and description of the resolution. The table is sorted by application name.

Table entries with an application name of “VISUAL API Toolkit” represent a group of files that must be updated together to work properly. See Appendix A.

* Indicates that the file is included in both a client installation and a full installation. Files without the asterisk are not included in the client install.

Application Name	File Name	Defect	Description
A/P Invoice Entry	VFAPIENT	785513	Fixed an issue where users were able to void negative invoices with cash disbursements applied.
A/R Invoice Entry	VFARIENT	778839	Fixed an issue where the users were unable to clone invoices with payments applied.
Audit Maintenance	VMAUDMNT	780082	Fixed an issue in which non-SYSADM users were able to access the Configure audit window via the right-click menu.
Cash Application	VFARCENT	780912	Fixed the issue with Payment Amount and Payment Balance being off by a penny when partial cash receipt entered.
Check Indexes	VMCHKIDX	779155	Fixed an issue where V_INV_TRANS_DIST_3 is being displayed as an additional index in the check indexes window.
Costing Tools	VMAPLTLS	670249	Fixed the issue where project customer orders were displayed as non-project exceptions in the costing tools.

Resolved issues

Application Name	File Name	Defect	Description
Costing Tools	VMAPLTLS	786142	Fixed issue related to exception errors when purchase cost analysis includes transactions from PO lines of another site.
Costing Utilities	VMAPLUTL	613585	Fixed the issue with removing a saved time in the Costing Service Schedule.
Currency Exchange Rate Maintenance	VCCURMNT	782900	Fixed the issue in which currency being created with ' or " (single and double quotes).
Customer Maintenance	VMCUSMNT	750709	Fixed the issue where new macro does not populate Terms in the Customer Maintenance.
ECN Entry	VMECNENT	789527	Fixed the issue with ECN tasks changing from Completed to Pending status.
Estimating Window	VMESTWIN	738287	Fixed the issue with the quoted price value and the decimal placement.
Estimating Window	VMESTWIN	786659	Fixed the issue of text fields not being enabled.
Inter Branch Transfer Receipt Entry	VMIBTRCV	786502	Fixed an issue where IBT receiving allowed the entry of location IDs with a blank space.
Invoice Forms	VMINVGEN	780750	Fixed the print format when the Bill To Address and the Ship To Address fields are blank on the order, or when printing a duplicate invoice that has blank addresses on the order.
Labor Entry	VMLABENT	742850	Fixed the issue of the Oper Seg No, Lot ID, and Resource ID fields being automatically cleared after clicking other fields, by setting boolean for barcode.
Manufacturing Main Menu	VM	786844	Fixed issue an where the case statement for timers does not have a break statement.
Manufacturing Window	VMMFGWIN	583307	Fixed the drag and drop issue for non-card objects by adding conditional statements.

Application Name	File Name	Defect	Description
Manufacturing Window	VMMFGWIN	768424	Fixed the issue with Material being auto issued if the transaction type is 'R'.
Manufacturing Window	VMMFGWIN	773699	Added 'Labor is Existing' Error Message when there is a Labor History.
Manufacturing Window	VMMFGWIN	786300	Fixed the issue with operations not scheduling when the Pred Sub ID field contains trailing space.
Material Planning Window	VMPLNWIN	775404	Fixed the issue where the quantity value is always 0.
Material Trace History	VTMATTRC	785403	Fixed the issue of incorrect quantity for material with issues and issue returns, when viewing Trace History for all levels.
Part Maintenance	VMPRTMNT	766007	Fixed the issue in macros when trying to display a message using the CREATE_DATE and MODIFY_DATE fields.
Part Maintenance	VMPRTMNT	782784	Fixed the issue with the Implode Cost not working on all top-level Part and the Selected Parts filter.
Post Manufacturing Journals	VMMFGJRN	782764	Fixed the issue of discrepancy in data between the Project WIP Balance Inquiry and the Report.
Post Manufacturing Journals	VMMFGJRN	784728	Fixed an issue where Project WIP Balance Report does not include all WIP issue transactions if a project has multiple cost categories.
Post Manufacturing Journals	VMMFGJRN	782510	Fixed the issue of printing only Purchase Journals.
Progress Billing Entry	VMPBCENT	699660	Fixed the issue where deferred revenue status report being incorrect on partial shipments and shipments without an invoice.
Receiving	VMRCVENT	732976	Fixed the issue of validating the incorrect assigned location ID when running the macro script, by changing the Boolean parameter to false.

Resolved issues

Application Name	File Name	Defect	Description
Receiving	VMRCVENT	782213	Fixed the issue where users were able to save purchase returns with zero quantity.
Receiving	VMRCVENT	746613	Fixed the issue of incorrect return quantity.
Return Material Authorization Entry	VMRMAENT	779735	Fixed the issue where a customer order created from Repair RMA being closed on receipt of the RMA.
Shipping Entry	VMSHPENT	780187	Fixed the issue of not receiving warning message when shipping against a closed customer order or when more than one packlist is created for the same order.
Shipping Entry	VMSHPENT	634333	Fixed an issue where the prompt message displayed for 60 seconds instead of 20 seconds.
Shipping Entry	VMSHPENT	778330	Fixed an issue with the calculation of the return quantity when returning a piece tracked part with a delivery schedule.
Shipping Entry	VMSHPENT	773614	Fixed the issue with displaying the description of the selected NMFC Code.
Shipping Entry	VMSHPENT	779366	Fixed an issue where the customer order is unable to ship from the project warehouse if it is linked to a non-project warehouse in the Traceability window.
Shipping Entry	VMSHPENT	786067	Fixed the issue related to the "Array reference out of bounds" error when shipping orders with no Part ID.
Shipping Entry	VMSHPENT	767247	Fixed the issue with retrieving correct data after processing the Shipping Entry with the Part Traceability data.
Throughput Window	VMTHRWIN	788054	Reduced the time taken to process the Throughput Soft Allocation Creation.
A/P Invoice Entry	VFAPIENT	777135	Fixed the issue with voided invoices being created in a closed accounting period.
A/R Invoice Entry	VFARIENT		

Application Name	File Name	Defect	Description
A/R Invoice Entry	VFARIENT	778339	Fixed the issue with return quantity calculation when returning a piece tracked part with a delivery schedule.
Shipping Entry	VMSHPENT		
Costing Tools	VMAPLTLS	754670	Fixed incorrect AP distributions related to purchase returns that were invoiced prior to running costing. Costing utilities now redistribute the associated AP vouchers.
Costing Utilities	VMAPLUTL		
Inventory Costing Service	VMCSTSVC		
Customer Order Entry	VMORDENT	721185	Fixed an issue where adding a Customer Order Line by Customer Part ID failed to include CO Specs and Part Specs in the Customer Order.
Order Management Window	VMORDWIN		
Customer Order Entry	VMORDENT	782785	Fixed the issue with the discount percentage automatically resetting on new lines.
Order Management Window	VMORDWIN		
Customer Order Entry	VMORDENT	784985	Fixed the issue related to the 'context incompatible with its INTO or BIND variables' error message when viewing a customer order.
Order Management Window	VMORDWIN		
Costing Tools	VMAPLTLS	786512	Fixed the issue related to the 'divide by zero' error when using partial DSL links.
Costing Utilities	VMAPLUTL		
Inventory Costing Service	VMCSTSVC		
Customer Order Entry	VMORDENT	734532	Fixed the issue in which the cursor moves to Order ID when entering a Customer ID in Customer Order Entry if the "Customer View Panel" is selected.
Order Management Window	VMORDWIN		

Resolved issues

Application Name	File Name	Defect	Description
Purchase Management Window	VMPURWIN		
Purchase Order Entry	VMPURENT		
Costing Tools	VMAPLTL5	786901	Fixed the looping issue when the receipt of the work order as a co-product maintains its own material issue transaction.
Costing Utilities	VMAPLUTL		
Inventory Costing Service	VMCSTSVC		
Customer Order Entry	VMORDENT	787289	Fixed the issue with Shipping Entry and Receiving Entry not populating with the correct order/packlist/receiver when opened from the Order Entry programs.
Order Management Window	VMORDWIN		
Purchase Order Entry	VMPURENT		
Purchase Management Window	VMPURWIN		
Receiving	VMRCVENT		
Shipping Entry	VMSHPENT		
DBR Scheduler	VMDBRSCH	654004	Fixed the issue with removing a saved time in the Service Schedule.
Material Planning Window	VMPLNWIN		

Appendix A: API Toolkit

The VISUAL API Toolkit is a group of files that must be updated together to work properly.

The toolkit is composed of these files:

- Dynamic link libraries:
 - LSACORE.DLL
 - LSASHARED.DLL
 - MICROSOFT.SCRIPTING.DLL
 - MICROSOFT.SCRIPTING.METADATA.DLL
 - ORACLE.MANAGEDDATAACCESS.DLL
 - ORACLE.MANAGEDDATAACCESSDTC.DLL
 - VMFGFINANCIALS.DLL
 - VMFGINVENTORY.DLL
 - VMFGPURCHASING.DLL
 - VMFGSALES.DLL
 - VMFGSHARED.DLL
 - VMFGSHOPFLOOR.DLL
 - VMFGTRACE.DLL
- Executable:
 - VMFGCONFIGFORMS.EXE
- Configuration:
 - VMFGCONFIGFORMS.EXE.CONFIG
- Samples:
 - VMFGSAMPLESAPIToolkit.ZIP