



# Infor VISUAL 9.0.5 Release Notes

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## About this guide

This document describes features and defect fixes introduced in VISUAL 9.0.5.

For information about features introduced in earlier versions of VISUAL, consult the release notes for that version. For example, if you are upgrading from VISUAL 9.0.2 to VISUAL 9.0.5, consult the release notes for VISUAL 9.0.3 and VISUAL 9.0.4 for important information about the features introduced in those releases.

You can find release notes on Infor Xtreme.

## 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 Xtreme Support portal, as described in "Contacting Infor" on page 5.

*Infor VISUAL 9.0.5 Hardware Guidelines*

*Infor VISUAL 9.0.5 Software Compatibility*

*Infor VISUAL 9.0.5 Applications Installation Guide*

*Infor VISUAL 9.0.5 Database Installation Guide for Oracle*

*Infor VISUAL 9.0.5 Database Installation Guide for SQL Server*

*Infor VISUAL 9.0.5 Schema Changes*

## Contacting Infor

If you have questions about Infor products, go to the Infor Xtreme Support portal.

If we update this document after the product release, we will post the new version on this website. We recommend that you check this website periodically for updated documentation.

If you have comments about Infor documentation, contact [documentation@infor.com](mailto:documentation@infor.com).

## Chapter 1 Prerequisites

This section lists the software required to use Infor VISUAL as of the publication date of this document. For up-to-date information, see the *Infor VISUAL 9.0.5 Compatibility Matrix*.

This software is required to use Infor VISUAL 9.0.5:

**Database engine.** You must use one of these database engines:

- SQLServer 2008 R2
- SQLServer 2012 and 2012 R2
- SQLServer 2014
- SQLServer 2016
- Oracle 11g
- Oracle 12c

**Server operating system.** You must use one of these server operating systems:

- Windows 2008 32-bit with Oracle 11g or SQL Server 2008 R2. Windows 2008 64-bit with Oracle 11g, Oracle 12c, or SQL Server 2008 R2.
- Windows 2008 R2 64-bit with any of the above database engines
- Windows 2012 and 2012 R2 with any of the above database engines

**Client operating system.** Your clients must use one of these operating systems:

- Windows 7 SP1
- Windows 8
- Windows 8.1
- Windows 10

## VISUAL 9.0.5 and previous versions of VISUAL

VISUAL 9.0.5 executables can only be run with a database that has been upgraded to the VISUAL 9.0.5 level. You cannot run a VISUAL 9.0.5 executable with a previous version of the database, such as 9.0.3.

## Gupta runtime requirements

VISUAL 9.0.5 requires the use of the Gupta 7.0 Update 1 runtime. Previous versions of the Gupta runtime are **not** compatible with VISUAL 9.0.5.

Infor strongly recommends removing all previous versions of the Gupta runtime before installing VISUAL 9.0.5.

Infor strongly recommends that you **do not** use multiple versions of the Gupta runtimes on the same client.

## Schema changes

Schema changes that are directly related to enhancements are listed in this document. For more information about schema changes introduced in VISUAL 9.0.5, see the *Infor VISUAL 9.0.5 Schema Changes* document available on Infor Xtreme.

## Chapter 2 Enhancements

This release introduces enhancements and improvements in a variety of areas in VISUAL and includes enhancements submitted in the Infor Xtreme Enhancement Request System.

Each enhancement is described in these release notes. These videos about the enhancements have been added to the Video Library:

- Percentage of Completion Enhancements
- VISUAL 9.0.5 Overview

You can also find new videos about the Individual Privacy application and features introduced in VISUAL 9.0.3 and VISUAL 9.0.4. To open the video library, select **Help > Video Library** from the main VISUAL menu.

### Percentage of completion and labor reporting updates (ERS 23858)

You can use the new Percent Complete, Quantity Complete by Hours, and Max Percent Completed settings to set up these functions:

- **Report labor by percentage complete instead of quantity complete.** Select the **Percent Complete** check box to make these updates in labor reporting programs:
  - In Labor Ticket Entry, Qty Remaining and Qty Completed labels are replaced with Percent Remaining and Percent Completed labels.
  - In Wedge Barcode Labor Entry, Op Qty Completed, Op Qty Remaining, and Op Qty Remaining labels are replaced with Op Prcnt Complete, Op Prcnt Remaining, and Percent Completed prompts.
  - In ALTS, the Quantity Completed prompt is replaced by a Percent Completed prompt.
- **Enable automatic calculation of quantity complete based on hours.** Use the **Quantity Complete by Hours** check box to automatically calculate quantity or percentage complete based on the number of hours reported on the labor ticket. This feature functions in the same way as the existing automatically compute quantity complete function available in the administrator set up of Labor Ticket Entry, Wedge Barcode Labor Entry, and BTS.
- **Deactivate automatic closing of operations.** If you select the **Quantity Complete by Hours** check box in Site Maintenance, work order or master header cards, or on operation cards, then

you can use the Max Percent Completed field to set up your system to stop automatically calculating the quantity or percentage at a threshold that you specify. This feature is useful if you engineer to order and actual time spent on operations frequently exceeds the estimates. When you specify a threshold, the automatic calculation stops when it reaches the threshold. The operation remains open and on your schedule until the user manually closes the operation designating that the run is complete on the labor ticket.

These new settings are available in Site Maintenance, on header cards in the Manufacturing Window, and on Operation cards in the Manufacturing Window. The settings that you specify at the site level are used for all masters and operations in the site. If you do not specify settings at the site level, then you can specify settings on the header card on masters or work orders. Settings that you specify on the header card are applied to all operations in the master or work order. If you do not specify settings at the site level or header card level, you can specify settings on individual operations.

## Code updates

This table shows where code updates were made for labor reporting updates:

|                         |   |
|-------------------------|---|
| <p>Updated programs</p> | <p>Barcode Labor Ticket Processor (VMBTSLBR)<br/> Barcode Transaction System (VMBTS.EXE)<br/> Baseline BTS.ini file (VMBTS.INI)<br/> Customer Order Entry (VMORDENT)<br/> Labor Ticket Entry (VMLABENT)<br/> Manufacturing Window (VMMFGWIN)<br/> Order Management Window (VMORDWIN)<br/> Site Maintenance (VMSTEMNT)<br/> Wedge Barcode Labor Entry (VMBCLABR)</p> |
| <p>Schema changes</p>   | <p>These columns were added:<br/> SITE.PERCENT_COMPL<br/> SITE.QTY_COMPL_BY_HRS<br/> SITE.MAX_QTY_COMPLETE<br/> WORK_ORDER.PERCENT_COMPL<br/> WORK_ORDER.QTY_COMPL_BY_HRS<br/> WORK_ORDER.MAX_QTY_COMPLETE<br/> OPERATION.PERCENT_COMPL<br/> OPERATION.QTY_COMPL_BY_HRS<br/> OPERATION.MAX_QTY_COMPLETE</p>   |

## Potential PO Supply Orders column in Material Availability dialog (ERS 8367)

In the Manufacturing Window, a new Potential PO Supply Orders column has been added to the Material Availability dialog. This column shows the total quantity available on firmed and released purchase orders that could be used to meet material demand.

To calculate the quantity, firmed and released purchase orders for eligible warehouses are identified. This table shows the purchase orders that are used depending on the warehouse that is specified on the Material card:

| Material requirement warehouse type | Purchase Orders  |
|-------------------------------------|--|
| Independently planned               | Only purchase orders for the independently planned warehouse are considered.   |
| Universally planned                 | <p>The purchase orders that are included depend upon the value that is specified for the UseUniversalForMaterialAvailability entry in the Visual Mfg section of Preferences Maintenance:</p> <p>If the UseUniversalForMaterialAvailability entry is false or not specified, then only purchase orders for the warehouse that is specified on the requirement are included in the calculation.</p> <p>If the UseUniversalForMaterialAvailability entry is true, then purchase orders for all universally planned warehouses are included in the calculation. Purchase orders with no warehouse are also included.</p> |
| Warehouse not specified             | Purchase orders for all universally planned warehouses and purchase orders with no warehouses are included in the calculation. Purchase orders for independently planned warehouses are not included.  |

Received or allocated quantities on eligible purchase orders are subtracted from the total quantity that has been ordered or fulfilled. Purchase order lines with negative quantities are not included in the calculation. The result is displayed in the Potential PO Supply Orders column.

### Code updates

This table shows where code updates were made for the potential PO supply orders feature:

|                  |                                 |
|------------------|---------------------------------|
| Updated programs | Manufacturing Window (VMMFGWIN) |
|------------------|---------------------------------|

---

|                |      |
|----------------|------|
| Schema changes | none |
|----------------|------|

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## Projects/A&D licensing

In Projects/A&D databases, all accounting entities should use the Actual costing method and the By Part Location FIFO method. To help ensure that databases comply with these conditions, these updates have been made to projects and A&D licensing:

- If you apply a project or A&D license to a new baseline database, then only the Actual costing method and By Part Location FIFO Method are available for selecting in Accounting Entity Maintenance. All entities that you create in the baseline database must use these costing settings.
- If you apply a project or A&D license to an existing, standard database, then the database is checked for these items:
  - Existing inventory, labor, and service transactions. If transactions are found, you cannot apply the new license.
  - If no inventory, labor, and service transactions are found, then accounting entities are checked to ensure that they use the Actual costing method and By Part Location FIFO method.
  - If any of your entities do not use these Actual costing and By Part Location FIFO method, a message is displayed. You must update your entities to use Actual costing and By Part Location FIFO method before applying the project or A&D license.
- If you have already applied a Projects or A&D license to your database, you can apply an updated Projects or A&D license to your database without limitation.
- If you apply a standard license to an existing project or A&D database, then you cannot apply the license if there are inventory, labor, or service transactions.

## Code updates

This table shows where code updates were made for projects/A&D licensing updates:

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|                  |   |
|------------------|---|
| Updated programs | Accounting Entity Maintenance (VMAENMNT)<br>Main VISUAL menu (VM) |
| Schema changes   | none  |

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## Job ID validation on customer orders

Use the new `ValidateJobIDWhenNull` preference to specify how validation functions when entering job and lot ID information in Customer Order Entry and the Order Management Window. This preference is available in the `OrderEntry` and `OrderEntryWindow` sections in Preferences Maintenance.

If you specify **Y**, then you should specify a job ID before specifying a lot ID on the order line. If you specify a lot ID first, the lot ID is overwritten when you tab out of the field.

If you specify **N**, then you can specify a lot ID before you specify a job ID.

This feature is useful if you use the order line number as the lot ID or otherwise specify a non-default value for lot IDs.

### Code updates

This table shows where code updates were made for job ID validation:

|                  |   |
|------------------|---|
| Updated programs | Customer Order Entry (VMORDENT)<br>Order Management Window (VMORDWIN)<br>Preferences script (PREFERENCES.SQL) |
| Schema changes   | none  |

## Country Change utility

If you use free-form country codes in addresses, you can use the new Change Country utility to search for free-form country codes and replace them with two-letter ISO codes. The two-letter format is required in BODs.

To use the utility, you specify a free-form country code in the Country field and then press tab. If the code is found, a row is displayed in the results table. You can specify the first few letters of a free-form code and use wildcards in your search.

When you replace a free-form code, all instances of the code are replaced. You cannot replace the free-form code on certain documents and leave it intact on others.

The Change Country utility is not available in the VISUAL menu structure. It must be opened directly from the VISUAL executables directory. Only the SYSADM user can access the utility.

### Code updates

This table shows where code updates were made for the Country Change utility:

|                  |   |
|------------------|---|
| Updated programs | Change Country (VMCHGCNT). This is a new program. |
| Schema changes   | none  |

## Scheduling and multiple sites

The scheduler can now be run simultaneously in different sites. For example, if you are running the scheduler for Site A, a second user can run the scheduler for Site B at the same time, and the scheduling service can also run the scheduler for Site C.

The scheduler cannot be run for multiple schedules simultaneously in the same site. If the scheduler is already being run in a site, a message is displayed if a user attempts to run a second schedule for the site. The message shows who is currently running the scheduler in the site and when the scheduling process began.

This enhancement applies to both the concurrent scheduler and the DBR scheduler.

## Code updates

This table shows where code updates were made for scheduling updates:

|                  |   |
|------------------|---|
| Updated programs | DBR Scheduler (VMDBRSCH)<br>DBR Scheduler Service Utility (VMDBRSVC)<br>Manufacturing Window (VMMFGWIN)<br>Concurrent Scheduler (VMGLBSCH)<br>Scheduling Service (VMSCHSVC) |
| Schema changes   | none  |

## Date filter for parts in BOD Maintenance

When you send the ItemMaster BOD from BOD Maintenance, you can now filter the parts that you send by modify date. The date filter is applied to both the part and the part site record. To apply the filter:

- 1 Select **Admin > Application Global Maintenance**.
- 2 Select **Maintain > BOD Maintenance**.
- 3 Select the Part line.

- 4 Click **Filter**.
- 5 Specify the date range in the Starting Date and Ending Date fields.
- 6 Click **Ok**.
- 7 Click **Send Selected**.

## Code updates

This table shows where code updates were made for filtering ItemMaster BODs by modify date:

|                  |                                |
|------------------|--------------------------------|
| Updated programs | Application Global Maintenance |
| Schema changes   | none                           |

## Reference designators and the Data Import Utility

Use the new Reference Designator record to import reference designators that are used on a material card. To successfully import reference designator information, one of these conditions must be true:

- In the import file, the lines for the operation and material requirement associated with the reference designator precede the line for the reference designator information, or
- The operation and material requirement already exist in your database.

The number of reference designators that you import is not validated. For example, if a material requirement has a quantity of five, then five separate reference designators are expected. After you import reference designators, open the associated material requirement card to validate the number. You can save more or fewer reference designators than expected.

## Code updates

This table shows where code updates were made for importing reference designators:

|                  |                                |
|------------------|--------------------------------|
| Updated programs | Data Import Utility (VMDLSYNC) |
| Schema changes   | none                           |

## Resize of Update Hours dialog

You can now resize the Update Hours dialog that is available in the Manufacturing Window.

## Code updates

This table shows where code updates were made for the resize of the Update Hours dialog:

|                  |                                 |
|------------------|---------------------------------|
| Updated programs | Manufacturing Window (VMMFGWIN) |
| Schema changes   | none                            |

## Notification token for Waybill Number

A token for Waybill Number has been added to the NOTIFICATION\_TOKEN. You can now include the waybill number in the header for email notifications that you send for shipments.

## Code updates

This table shows where code updates were made for the waybill number token:

|                  |  |
|------------------|--|
| Updated programs | none   |
| Schema changes   | This data was inserted into the NOTIFICATION_TOKEN table:<br>PROGRAM_ID: VMSHPENT<br>TYPE: HEADER<br>TOKEN: %PacklistWaybill<br>TOKEN_TABLE: SHIPPER<br>TOKEN_COLUMN: WAYBILL_NUMBER |

## Window sizing and positioning

In VISUAL 9.0.2, the process of moving sizing and positioning information from VSIZING.INI to the database began. As of version 9.0.5, sizing and positioning for 170 VISUAL programs have been moved to the database.

In this release, the sizing and positioning of all programs with a 9.0.2 or higher version are now stored in the database. To see whether a program has a version number of 9.0.2 or higher, select **Help > About**. If the program version begins with 9.0.2 or higher, then sizing information is stored in the database. Sizing is stored by user ID.

If the program version begins with 9.0.0 or 9.0.1, then sizing information is still stored in VSIZING.INI.

## Preference caching

Over the next few releases, the way that individual executables access preference settings will be changed to improve performance. To reduce the number of calls that VISUAL executables make to the Preferences table, preference settings will be stored in the computer's shared memory. All other VISUAL executables that are run on the computer will read preferences from the shared memory instead of re-querying the database.

## Chapter 3 Quick upgrade

### Who can use this procedure?

To use this procedure, you must currently use VISUAL 9.0.0 or higher. If you use any other version of VISUAL or if you are installing VISUAL for the first time, you must follow the procedures in the installation guide to install VISUAL 9.0.5.

See *Infor VISUAL Applications Installation Guide*.

### Upgrading from VISUAL 9.x.x to VISUAL 9.0.5

This table shows how to upgrade VISUAL 9.x.x to VISUAL 9.0.5:

| Sequence | Step  | Notes  |
|----------|---|--|
| 1        | Verify that the database client components are installed.     | See your SQL Server or Oracle user documentation   |
| 2        | Back up your existing database                                | <i>See the documentation for your database engine.</i>   |
| 3        | If you use an application server, update VISUAL on the server | When prompted by the installation wizard, select <b>Infor VISUAL Application Server Set Up</b> . |

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| Sequence | Step  | Notes  |
|----------|---|--|
| 4        | Update VISUAL on clients  | <p>When prompted by the installation wizard, select one of these options:</p> <p>If you have installed all VISUAL executables on the client, select <b>Infor VISUAL Full Installation on Stand Alone PC</b>.</p> <p>If you have installed only the manufacturing applications on the client, select <b>Infor VISUAL Manufacturing Applications Only Set Up</b>.</p> <p>If you have installed only the financial applications, select <b>Infor VISUAL Financial Application Only Set Up</b>.</p> <p>If you have installed a thin client, select <b>Infor VISUAL Client Only Set Up</b>.</p> |
| 5        | Sign into VISUAL to upgrade the database.   |  |
| 6        | Complete post-upgrade tasks to update custom triggers, custom views, and EDI mappings to use the new database column sizes. |  |

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For more detailed instructions, see *Infor VISUAL Applications Installation Guide*.

## Chapter 4 Resolved issues

This table lists the Infor Xtreme defects that were resolved in the VISUAL 9.0.5 release. 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 [API Toolkit contents](#).

\* Indicates that the file is included in a client install.

| Application Name  | File Name | Defect | Description  |
|-------------------|-----------|--------|--|
| A/P Invoice Entry | VFAPIENT  | 398675 | Fixed issue with Site and Entity level report overrides not working on a few of the reports available in the window.                   |
| A/P Invoice Entry | VFAPIENT  | 583008 | Fixed issue of VAT Receivables/Payable Summary Report not printing correctly.  |
| A/P Invoice Entry | VFAPIENT  | 610957 | Fixed issue of VAT not being populated and calculated after calculating freight from receipt when calculate VAT on freight is enabled. |
| A/P Invoice Entry | VFAPIENT  | 627833 | Fixed issue of incorrect VAT information when transactions were voided in periods that were different from the posting period.         |
| A/P Invoice Entry | VFAPIENT  | 631889 | Fixed truncation and display of kanji characters in reference fields.  |
| A/P Invoice Entry | VFAPIENT  | 633260 | Fixed issue of VAT code not being included on voucher created from generate recurring payable functionality.                           |
| A/P Invoice Entry | VFAPIENT  | 635077 | Fixed issue of VAT amount being posted to the default account in accounting window instead of the assigned account in VAT maintenance. |

| Application Name     | File Name | Defect | Description  |
|----------------------|-----------|--------|--|
| A/P Invoice Entry    | VFAPIENT  | 646028 | Fixed issue of an invoice in a non-default site not being displayed when the AP Invoice Entry window is opened from another program. |
| A/P Invoice Entry    | VFAPIENT  | 647134 | Fixed No SQL Cursors error that occurred after using the F6 option to invoice purchase order receipts approximately 70 times.        |
| A/P Invoice Entry    | VFAPIENT  | 648745 | Fixed issue where a double-entry was being created when a return receiver is invoiced, voided and re-invoiced.                       |
| A/P Payment Entry    | VFAPCENT  | 647101 | Fixed print of numeric values on Email Notifications to drop insignificant decimal digits.   |
| A/R Collections      | VFARCLCT  | 635756 | Increased the number of open and past due invoices that can be displayed in the table.   |
| A/R Invoice Entry    | VFARIENT  | 583008 | Fixed issue of VAT Receivables/Payable Summary Report not printing correctly.  |
| A/R Invoice Entry    | VFARIENT  | 602582 | Fixed issue of incorrect reference information being included when printing progress billing events.                                 |
| A/R Invoice Entry    | VFARIENT  | 621958 | Fixed issue of HTML email body showing </br> due to an improperly defined mail client.   |
| A/R Invoice Entry    | VFARIENT  | 627833 | Fixed issue of incorrect VAT information when transactions were voided in periods that were different from the posting period.       |
| A/R Invoice Entry    | VFARIENT  | 634549 | Fixed issue to attach associated documents when printing invoices to email.  |
| A/R Invoice Entry    | VFARIENT  | 642397 | Fixed incorrect format of unit price when printing invoice. It was rounding to two digits.   |
| A/R Invoice Entry    | VFARIENT  | 643099 | Fixed issue with Print Customer Statements printing blank when using language forms.   |
| A/R Invoice Entry    | VFARIENT  | 648805 | Fixed issue of prepaid invoices that have the same ID as the order ID being included in the lifecycle.                               |
| Allocation Utilities | VMALCUTL  | 634932 | Fixed issue to prevent received links from being deleted.  |

| Application Name               | File Name | Defect | Description  |
|--------------------------------|-----------|--------|--|
| Application Global Maintenance | VMAPLGLB  | 629814 | Fixed issue where VAT/ESL/Intrastat are not available as Export File Types unless VAT and Intrastat are enabled for the default site/entity. |
| Application Global Maintenance | VMAPLGLB  | 639883 | Fixed issue to restrict Report Format File Override file path to 70 characters. This prevents QRPs from crashing upon close.                 |
| Cash Application               | VFARCENT  | 621618 | Fixed issue to post exchange rate credit differences to the realized exchange account instead of the rounding account.                       |
| Cash Application               | VFARCENT  | 642653 | Fixed issue to retrieve correct exchange rate when selecting Set/Reset Exchange Rates.   |
| Cash Application               | VFARCENT  | 643003 | Fixed issue to allow non-tracking currencies to be printed on deposit slip.  |
| Cash Application               | VFARCENT  | 647101 | Fixed print of numeric values on Email Notifications to drop insignificant decimal digits.   |
| Cash Application               | VFARCENT  | 647313 | Fixed issue of receiving a "customer ID does not exist message" in error.  |
| Cash Book                      | VFCASHBK  | 637827 | Fixed issue where batch IDs were not displayed for voided payments.  |
| Cash Book                      | VFCASHBK  | 639544 | Fixed issue where users were not allowed to clear a voided check when non-unique check IDs exist.  |
| Concurrent Scheduler           | VMGLBSCH  | 643584 | Removed hotkey for Set as Scheduled dialog' hotkey was a duplicate of another menu hotkey.   |
| Consignment Usage Report       | VMCSNUSG  | 642148 | Fixed issue with receiving a window handle qualify error when browsing for a vendor ID.  |
| Costing Tools                  | VMAPLTLS  | 627964 | Fixed issue of receiving erroneous shipment exceptions for non-project shipments in a project database.                                      |
| Costing Tools                  | VMAPLTLS  | 636316 | Fixed purchase return not getting correct cost from purc_matl_detail when multiple payables for the receipt exist                            |

| Application Name     | File Name | Defect | Description   |
|----------------------|-----------|--------|---|
| Costing Tools        | VMAPLTLS  | 645473 | Fixed issue where ACCOUNT_AT_NATIVE balance was incorrect due to the entity currency being designated as native instead of the document currency. |
| Costing Tools        | VMAPLTLS  | 649910 | Fixed issue with inventory distributions not balancing.   |
| Costing Utilities    | VMAPLUTL  | 615709 | Fixed issue where max loops setting was defaulting to zero even though preferences was set to null.   |
| Costing Utilities    | VMAPLUTL  | 636316 | Fixed purchase return not getting correct cost from purc_matl_detail when multiple payables for the receipt exist                                 |
| Costing Utilities    | VMAPLUTL  | 645473 | Fixed issue where ACCOUNT_AT_NATIVE balance was incorrect due to the entity currency being designated as native instead of the document currency. |
| Costing Utilities    | VMAPLUTL  | 649910 | Fixed issue with inventory distributions not balancing.   |
| Costing Utilities    | VMAPLUTL  | 651471 | Fixed issue with getting a SQL 512 error when preparing purchase journals.  |
| Customer Inquiry     | VMCUSINQ  | 648936 | Fixed error "No SQL cursors remaining" after viewing more than 300 orders.  |
| Customer Maintenance | VMCUSMNT  | 651319 | Fixed issue where freight terms was defaulting to the incorrect value on new customer creation.   |
| Customer Order Entry | VMORDENT  | 605312 | Fixed issue to correctly calculate sales tax.   |
| Customer Order Entry | VMORDENT  | 619341 | Fixed issue with opening a document created in Global Financials in the document lifecycle.   |
| Customer Order Entry | VMORDENT  | 619641 | Fixed issue with HTS code not populating in table after save when using VAT.  |
| Customer Order Entry | VMORDENT  | 623139 | In project databases, fixed to allow G/L revenue account to default to the account specified on the product code.                                 |
| Customer Order Entry | VMORDENT  | 626254 | Fixed issue of Customer Order Entry not populating when it is opened from another VISUAL executable.  |

| Application Name                          | File Name | Defect | Description   |
|---|-----------|--------|---|
| Customer Order Entry                      | VMORDENT  | 634900 | Fixed issue to copy contact phone extension when copying a customer order.  |
| Customer Order Entry                      | VMORDENT  | 640149 | Fixed issue with getting SQL 32704 error when generating an order from quote in a VAT-enabled Oracle database.                                  |
| Customer Order Entry                      | VMORDENT  | 641648 | Fixed validation of lines in a project database.  |
| Customer Order Entry                      | VMORDENT  | 642499 | Fixed issue to retain unit price override if the Do Not Evaluate Unit Price preference is activated.  |
| Customer Order Entry                      | VMORDENT  | 645800 | Fixed to include site ID when querying database for the default customer consignment warehouse.   |
| Customer Order Entry                      | VMORDENT  | 646626 | Fixed issue with disc % on customer order line reverting to default after manually changing the value.  |
| Customer Order Entry                      | VMORDENT  | 647101 | Fixed print of numeric values on Email Notifications to drop insignificant decimal digits.  |
| Dashboard                                 | VMDBOARD  | 642870 | Fixed to exclude returns in the Late Shipment Details metrics.  |
| Estimating Window                         | VMESTWIN  | 609113 | Fixed issue to create quote masters with an active status when creating the master by clicking the Engineering button in the Estimating Window. |
| Estimating Window                         | VMESTWIN  | 640697 | Updated description column on quote to 120 characters from 40.  |
| Examine Indexes                           | VMCHKIDX  | 648692 | On Oracle databases, fixed to create a unique index if adding the primary key does not create it.   |
| Financials Application Global Maintenance | VFAPLGLB  | 625338 | Fixed issue where saving a new financial calendar was resulting in blank period dates when certain regional settings were used.                 |
| General Journal Entry                     | VFGLTENT  | 633867 | Fixed issue with length of site ID when generating consolidation entries.   |

| Application Name                     | File Name | Defect | Description  |
|--------------------------------------|-----------|--------|--|
| General Journal Entry                | VFGLTENT  | 640139 | Fixed the issue of General Journals dialog being displayed and fields disabled when the transaction ID field is cleared                |
| Generate Sales Commissions           | VFSCPGEN  | 638924 | Fixed issue of commissions not generating properly when the commission type is set to invoice not cash receipt                         |
| Generate Sales Commissions           | VFSCPGEN  | 649981 | Fixed issue with credit memos not being processed when pay commissions option is set to Cash Receipt.                                  |
| Gross Profit Report                  | VMPFTRPT  | 646228 | Fixed issue with Order By options not working correctly.   |
| Inter Branch Transfer                | VMIBTENT  | 649134 | Fixed issue to allow users to manually change IBT statuses.  |
| Inter Branch Transfer Receipt Entry  | VMIBTRCV  | 590823 | Fixed issue of dimensions not populating IBT_SHIPPER_LINE on save of shipper (length, width, height, piece_count)                      |
| Inter Branch Transfer Shipping Entry | VMIBTSHP  | 590823 | Fixed issue of dimensions not populating IBT_SHIPPER_LINE on save of shipper (length, width, height, piece_count)                      |
| Inventory Transaction Entry          | VMINVENT  | 639683 | Fixed issue to also clear the ID when clearing the window.   |
| Inventory Transaction Entry          | VMINVENT  | 643066 | Fixed issue with quantity not saving when transferring piece tracked parts between locations.  |
| Inventory Transaction Entry          | VMINVENT  | 643635 | Fixed issue to prevent the auto-browse dialog from being displayed when a distinct warehouse and location have already been specified. |
| Inventory Valuation Report           | VMPIVRPT  | 638004 | Fixed issue with warehouse ID radio button being available when FIFO by Location is not enabled.                                       |
| Inventory Valuation Report           | VMPIVRPT  | 647248 | Fixed issue where cost layer detail options were not being displayed for selection when entities have differing costing methods.       |
| Invoice Forms                        | VMINVGEN  | 641102 | Fixed issue to properly create invoices when the revenue G/L account does not exist on one line of the associated order.               |

| Application Name        | File Name | Defect           | Description   |
|-------------------------|-----------|------------------|---|
| Labor Entry             | VMLABENT  | 615380           | Fixed issue to properly populate Labor Ticket Entry when opening it from the Labor Tickets dialog in the Manufacturing Window.                      |
| Labor Entry             | VMLABENT  | 639794           | Fixed issue where auto-browse was incorrectly displaying in certain cases.  |
| Manufacturing Main Menu | VM        | 614269           | Fixed issue for Oracle 12C users to list VISUAL users only in the user ID browse in Security Maintenance.   |
| Manufacturing Main Menu | VM        | 638075           | Fixed issue to enable intrastat applications when the default site did not have intrastat enabled but non-default sites did have intrastat enabled. |
| Manufacturing Main Menu | VM        | 645230           | Fixed issue with the Active checkbox not displaying correctly in the Quotes section of Security Maintenance,  |
| Manufacturing Window    | VMMFGWIN  | 588768           | Fixed issue to copy the correct warehouse when copying and pasting from a master to a work order with a different warehouse in an A&D database.     |
| Manufacturing Window    | VMMFGWIN  | 617451<br>630453 | Fixed issue to display correct work orders after adding CUSTOMER_ID or CUSTOMER_NAME to the work order browse.                                      |
| Manufacturing Window    | VMMFGWIN  | 621060           | Fixed issue with cursor links.  |
| Manufacturing Window    | VMMFGWIN  | 638200           | Fixed issue with receiving a "No Cursors remaining" error after adding 6 operation rows, then adding 12 material rows in Grid View mode             |
| Manufacturing Window    | VMMFGWIN  | 638207           | Fixed issue with receiving a "No Cursors remaining" error when adding materials in Grid View mode   |
| Manufacturing Window    | VMMFGWIN  | 638582           | Fixed issue with OnNewOP macros firing twice if the X is used to close the operation card.  |
| Manufacturing Window    | VMMFGWIN  | 639487           | Fixed issue with Order Management window not populating correctly when selecting Customer Order Status and using drill down arrow                   |

| Application Name         | File Name | Defect | Description  |
|--------------------------|-----------|--------|--|
| Manufacturing Window     | VMMFGWIN  | 641441 | Fixed spelling error in Leg Updater dialog.  |
| Manufacturing Window     | VMMFGWIN  | 643516 | Fixed issue with opening an engineering master using the right-click menu.   |
| Manufacturing Window     | VMMFGWIN  | 645463 | Fixed Invalid cursor issue when using text or graphic display mode.  |
| Material Planning Window | VMPLNWIN  | 548032 | Fixed issue with the planning report using tenant-level buyer instead of site-level buyer when sequencing by Buyer ID. |
| Material Planning Window | VMPLNWIN  | 637591 | Improved performance issues that occurred when running the Shortage Report and processing all top-level parts in MRP.  |
| Material Planning Window | VMPLNWIN  | 643726 | Fixed issue with getting No Sql Cursors remaining errors in Inventory Transactions and Where Used information dialogs. |
| Material Planning Window | VMPLNWIN  | 643796 | Fixed issue with planned orders being created for .0001 when there is no planned order needed.                         |
| Material Planning Window | VMPLNWIN  | 649082 | Fixed No SQL Cursors Remaining error when using the Planning Period Details dialog.                                    |
| Material Trace History   | VTMATTRC  | 646942 | Added checkbox to filter by Part ID/Trace ID to correct issue with traceability history not displaying when it should. |
| Order Management Window  | VMORDWIN  | 605312 | Fixed issue to correctly calculate sales tax.  |
| Order Management Window  | VMORDWIN  | 619341 | Fixed issue with opening a document created in Global Financials in the document lifecycle.                            |
| Order Management Window  | VMORDWIN  | 620512 | Fixed issue with receiving an invalid column error.  |
| Order Management Window  | VMORDWIN  | 623139 | In project databases, fixed to allow G/L revenue account to default to the account specified on the product code.      |

| Application Name        | File Name | Defect | Description  |
|-------------------------|-----------|--------|--|
| Order Management Window | VMORDWIN  | 626254 | Fixed issue of Customer Order Management window not populating when it is opened from another executable.                        |
| Order Management Window | VMORDWIN  | 634900 | Fixed issue to copy contact phone extension when copying a customer order.   |
| Order Management Window | VMORDWIN  | 639105 | Fixed issue with Site ID being populated in the Our Order ID field when opening Order Management Window from Selling History.    |
| Order Management Window | VMORDWIN  | 640149 | Fixed issue with getting SQL 32704 error when generating an order from quote in a VAT-enabled Oracle database.                   |
| Order Management Window | VMORDWIN  | 641648 | Fixed validation of lines in a project database.   |
| Order Management Window | VMORDWIN  | 642499 | Fixed issue to retain unit price override if the Do Not Evaluate Unit Price preference is activated.                             |
| Order Management Window | VMORDWIN  | 645800 | Fixed to include site ID when querying database for the default customer consignment warehouse.                                  |
| Order Management Window | VMORDWIN  | 646626 | Fixed issue with disc % on customer order line reverting to the default after manually changing it.                              |
| Order Management Window | VMORDWIN  | 647101 | Fixed print of numeric values on Email Notifications to drop insignificant decimal digits.                                       |
| Part Maintenance        | VMPRTMNT  | 599793 | Fixed issue with data being incorrectly updated when using the Open for Edits function in the part browse.                       |
| Part Maintenance        | VMPRTMNT  | 609315 | Fixed issue so that all expected parts are returned in a quick filter.   |
| Part Maintenance        | VMPRTMNT  | 618923 | Fixed issue with data being changed on parts that had not been edited when using the Open for Edits function in the part browse. |
| Part Maintenance        | VMPRTMNT  | 639903 | Fixed issue of receiving message about no Revision ID exists when using importing from Excel and no revision ID is required.     |

| Application Name            | File Name           | Defect | Description   |
|-----------------------------|---------------------|--------|---|
| Part Maintenance            | VMPRTMNT            | 646957 | Fixed issue to correctly populate <b>**Tenant**</b> in the site ID field when opening Part Maintenance from Task Maintenance in a single-site database. |
| Part Trace Maintenance      | VTTRCMNT            | 599189 | Fixed issue of receiving "multi-part identifier" error when searching for a specific site.  |
| Physical Inventory Count    | VMPHYINV            | 639211 | Fixed issue with Physical Count not allowing the same trace ID to be counted for a different part if a sub-tag already exists with the trace ID.        |
| Physical Inventory Count    | VMPHYINV            | 649478 | Fixed issue with parts that were set to Inv Tx Locked prior to a blank tag physical count being unlocked upon ending the physical count.                |
| Post Manufacturing Journal  | VFMFGJRN            | 648744 | Fixed issue where printing to file was not including certain information.   |
| Preferences                 | PREFERENC<br>ES.SQL | 633668 | Fixed list of acceptable values for MultipleJobs entry in BarcodeLaborEntry section.  |
| Preferences                 | PREFERENC<br>ES.SQL | 647257 | Created new Preferences Maintenance setting in Shipping section for PackListFilter.   |
| Project Billing Entry       | VMPRJBNB            | 646552 | Fixed issue of selected calendar date not being inserted into the accompanying data field.  |
| Project Revenue Recognition | VMREVREC            | 645447 | Fixed issue with receiving a null Site ID error when preparing shipping transactions.   |
| Project Revenue Recognition | VMREVREC            | 647117 | Fixed issue with POC Calculation for a non-tracking foreign currency.   |
| Purchase Management Window  | VMPURWIN            | 622450 | Fixed issue with FOB on Dispatch tab not being saved correctly.   |
| Purchase Management Window  | VMPURWIN            | 626254 | Fixed issue of Purchase Order Entry not populating when it is opened from another executable.   |
| Purchase Management Window  | VMPURWIN            | 635101 | Fixed issue with the deletion of internal orders not updating the quantity in demand information for the part.  |

| Application Name                    | File Name | Defect | Description  |
|-------------------------------------|-----------|--------|--|
| Purchase Management Window          | VMPURWIN  | 638180 | Fixed issue to update lookup date in Set/Reset Exchange Rate dialog.   |
| Purchase Management Window          | VMPURWIN  | 647101 | Fixed print of numeric values on Email Notifications to drop insignificant decimal digits.   |
| Purchase Management Window          | VMPURWIN  | 647632 | Fixed issue with copying and pasting not working when expense G/L account information has been specified.  |
| Purchase Order Entry                | VMPURENT  | 622450 | Fixed issue with FOB on Dispatch tab not being saved correctly.  |
| Purchase Order Entry                | VMPURENT  | 626254 | Fixed issue of Purchase Order Entry not populating when it is opened from another executable.  |
| Purchase Order Entry                | VMPURENT  | 635101 | Fixed issue with the deletion of internal orders not updating the quantity in demand information for the part.                                       |
| Purchase Order Entry                | VMPURENT  | 638180 | Fixed issue to update lookup date in Set/Reset Exchange Rate dialog.   |
| Purchase Order Entry                | VMPURENT  | 647101 | Fixed print of numeric values on Email Notifications to drop insignificant decimal digits.   |
| Purchase Order Entry                | VMPURENT  | 647632 | Fixed issue with copying and pasting not working when expense G/L account information has been specified.  |
| Purchase Requisition Entry          | VMREQENT  | 588556 | Fixed issue with header level currency being required, which prevented line-level overrides. Line-level overrides were allowed in previous releases. |
| Receiving                           | VMRCVENT  | 647101 | Fixed print of numeric values on Email Notifications to drop insignificant decimal digit.  |
| Receiving Inspection                | VMRCVINS  | 635117 | Fixed issue of returns with trace from receiving inspection being incorrect.   |
| Return Material Authorization Entry | VMRMAENT  | 629276 | Fixed issue of not being prompted to add new location details when processing a return.  |

| Application Name          | File Name | Defect | Description  |
|---------------------------|-----------|--------|--|
| Scheduling Window         | VMSCHWIN  | 626114 | Fixed issue of program crashing due to part/part description concatenation too big for tooltip.  |
| Shipping Entry            | VMSHPENT  | 570409 | Fixed rounding issue when returning a dimensional part.  |
| Shipping Entry            | VMSHPENT  | 581990 | Fixed issue with Pack List report showing zero costs and duplicate line items.   |
| Shipping Entry            | VMSHPENT  | 605513 | Fixed issue where a traced part could be shipped from a warehouse location in another site.  |
| Shipping Entry            | VMSHPENT  | 621895 | Fixed issue with receiving an erroneous "no eligible orders" message when printing a before shipment packlist for a cross-site shipment.                                 |
| Shipping Entry            | VMSHPENT  | 631167 | Fixed issue with receiving error messages in an endless loop when specifying invalid data in the Shipment Returns dialog and then closing the dialog using system close. |
| Shipping Entry            | VMSHPENT  | 635700 | Improved performance when opening RMAs using the packlist ID.  |
| Shipping Entry            | VMSHPENT  | 636598 | Fixed issue with incorrect ship quantity being applied to orders line with delivery schedules.   |
| Shipping Entry            | VMSHPENT  | 642496 | Fixed issue with receiving a primary key constraint error when printing pack lists using before shipment and current order options.                                      |
| Shipping Entry            | VMSHPENT  | 643857 | Fixed issue of not sending an email notification for every packlist when multiple packlists are generated on one Save.   |
| Shipping Entry            | VMSHPENT  | 647101 | Fixed print of numeric values on Email Notifications to drop insignificant decimal digits.   |
| Shipping Entry            | VMSHPENT  | 647257 | Changed Territory and Warehouse option buttons to check boxes; created new Preferences Maintenance setting in Shipping section for PackListFilter.                       |
| Shop Resource Maintenance | VMRESMNT  | 631292 | Fixed issue with save prompt being displayed when no changes were made.  |

Resolved issues

| Application Name                 | File Name          | Defect | Description  |
|----------------------------------|--------------------|--------|--|
| Shop Resource Maintenance        | VMRESMNT           | 640167 | Fixed issue with save prompt being displayed in error when changing the User Defined Layout ID, saving the record, then using the arrows to navigate to other records. |
| Throughput Window                | VMTHRWIN           | 607048 | Fixed issue to use last day of week value that is specified in preferences for the Actual Throughput graph.  |
| Vendor Maintenance               | VMVNDMNT           | 645999 | Fixed issue to also create contact when creating a new vendor with an OnSave macro.  |
| VISUAL API Toolkit               | VISUAL API Toolkit | 640978 | The API Toolkit was modified to create the correct currency records for both Purchase and Customer Orders.   |
| VISUAL API Toolkit               | VISUAL API Toolkit | 644310 | The API Toolkit was modified to match the Shipment generation messages with the standard VE system.  |
| VMDI Exchange                    | VMDIXCHG           | 644848 | Fixed SSO sign in issue.   |
| Wedge Barcode Labor Ticket Entry | VMBCLABR           | 641479 | Fixed issue with a "1" being saved at the beginning of a comment.  |

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## Appendix A API Toolkit contents

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:
  - ORACLE.MANAGEDDATAACCESS.DLL
  - ORACLE.MANAGEDDATAACCESSDTC.DLL
  - LSACORE.DLL
  - LSASHARED.DLL
  - MICROSOFT.SCRIPTING.DLL
  - MICROSOFT.SCRIPTING.METADATA.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