



Waters
THE SCIENCE OF
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Empower 3 Feature Release 3

Release Notes

716004689
Revision A

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General information

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Empower 3 Feature Release 3

Compliance recommendations

Any time you install, change, or uninstall software or system modules in a regulated environment, Waters recommends that you follow your organization's approved standard operating procedures.

A risk-based review may assist you in a regulated environment to evaluate changes detailed in the release notes. Using company SOPs, determine if any documentation updates and requalification of the system modules, chromatographic system, or chromatographic data system (CDS) are required.

Software requalification options

Consider using the requalification options outlined below to verify software installation and correct operation:

- To confirm that the new files loaded properly, consider performing a software installation qualification.
- To confirm the operation of the newly loaded software, consider performing an operational qualification (user or vendor) for the updated software installation.
- To determine if additional testing is required, consider evaluating the changes in the software release, to assess the risk associated with the installation. Depending on the risk, it may be appropriate to perform existing, updated, or new software tests. These tests may be known as performance qualification tests, user acceptance tests, verification tests, or validation tests.

To assist you, if required, Waters provides various levels of Qualification (or Compliance) Services and validation consultancy through our Professional Services organization.

When multiple, identical systems are involved, consider a risk-based approach to qualification activities.

Requalification with Waters' Total Assurance Plans

The Waters' Total Assurance Plan (TAP) with System Qualification Option covers upgrades and requalification of the instrument driver, software, firmware, or hardware in these cases:

- During yearly requalification, as provided in the plan.
- If installing this release is required for operation of a new module or system, where qualification of the new module or system is covered by the plan.

Requalification of the CDS software and computers after a driver upgrade may or may not be included in your TAP.

Review your TAP to determine which services are covered and which are not covered. For situations not covered by the plan, Waters can perform the qualification, but additional charges will apply.

System and software requirements

Empower 3 Feature Release 3 software supports Windows 7 Service Pack 1 (SP1) (Personal, Acquisition Client, and LAC/E³²), Windows 8.1 Professional and Enterprise (Personal, Acquisition Client, and LAC/E³²), Windows Server 2008 R2 SP1 (Standard and Enterprise), and Windows Server 2012 R2 (Standard). Specifically, it supports these platforms and operating systems:

Note: Support includes English, Japanese, Simplified Chinese, and Korean distributions of Empower 3 software.

Platform ¹	Operating systems
Personal workstation, or Client or LAC/E ³² module	<ul style="list-style-type: none"> Windows 7 Professional or Enterprise with SP1, 64-bit Windows 8.1 Professional or Enterprise, 64-bit
Database server	<ul style="list-style-type: none"> Windows Server 2008 R2, Enterprise or Standard Edition with SP1, 64-bit Windows Server 2012 R2 Standard Edition, 64-bit Solaris 10 (8/11), patched to 9/11 Red Hat Enterprise Linux 6.2
Citrix Server XenApp 6.5	Windows Server 2008 R2, Enterprise or Standard Edition with SP1, 64-bit
Citrix Server XenApp 7.6	<ul style="list-style-type: none"> Windows Server 2008, Enterprise or Standard Edition with SP1, 64-bit Windows Server 2012 R2 Standard Edition, 64-bit

¹All platforms run on Oracle version 11.2.0.4.

Important: The Empower 3 FR3 release does not include any instrument control software media. Refer to the Waters web site or contact your local office for the appropriate instrument drivers. For information on instrument driver compatibility and known issues refer to the appropriate Waters or third party instrument driver documentation.

See also: The *Empower 3 Installation, Configuration, and Upgrade Guide*.

Before you install Empower 3 FR3 software

Back up all Empower software projects, library information, and databases before you install this software.

See also: The *Empower 3 Installation, Configuration, and Upgrade Guide* for complete installation instructions.

New features

Empower 3 Feature Release 3 includes the following new features and enhancements.

MS Peak Tracking

You use peak tracking during method development to determine the best initial set of chromatographic conditions for separating the components in the sample being tested. Peak tracking uses the mass-to-charge ratios of peaks to automatically track them in an injection's results. Therefore, the peak-tracking function operates only for peaks with measured mass values. Initially, peak tracking only labels peaks with assigned masses and allows you to preview or report the peaks in tables, which are summarized by assigned mass. You are able to overwrite a peak's assigned mass in the review main window from both the QuickStart and Pro interfaces. Additionally, editing the Assigned Mass of a peak can result in one of the following new processing codes to be added to the peak's Peak Codes:

- PK01, "Modified Assigned Mass"
 - The user modified the peak's Assigned Mass. As a result, both the Assigned Mass Value and the Assigned Mass fields are blank.
- PK02, "Added Assigned Mass"
 - The user added an Assigned Mass to the peak. As a result, both the Assigned Mass Value and the Assigned Mass fields are blank.
- PK03, "Removed Assigned Mass"
 - The user removed the Assigned Mass from the peak, by clearing the Assigned Mass Value. As a result, both the Assigned Mass Value and the Assigned Mass fields are blank.

Peak Labels

You can assign a maximum of three label parameters to identify each peak in both the review window and preview mode. The label parameter options include the string, number, integer, or custom fields that are available in the peak's table.

Component Summary Table

New component summary table options, such as the Summarize By field, are available in the report method editor.

Waters Database Manager

The Waters Database Manager is a Web-based software application that you use to manage your database. From the main window, called the dashboard, you can access the primary database functions: managing storage and viewing alert notifications. From the dashboard, you can navigate to procedures you perform less frequently, such as creating new Waters Database Manager user accounts and contacting the Waters Technical Support. Finally, the dashboard provides the means to continuously monitor your database, identifying areas that require immediate attention.

Location Fields

You can now assign a Location field to identify where each user, system, or node is located. You can assign the Location field when creating or modifying users, systems, and nodes, from the following dialog boxes and wizard pages:

- New User dialog box
- User Properties dialog box
- New Chromatographic System wizard
- Chromatographic System Properties dialog box
- New Node wizard
- Nodes Properties dialog box

The locations assigned to users appear in the Users View of the Configuration Manager and the User Location report group in the Report Publisher, while locations assigned to Systems appear in the Systems View of the Configuration Manager, the Systems View in the System Monitor, and the Select Desired Chromatography System dialog box.

Additionally, locations assigned to nodes appear in Nodes View, and the Systems View of the Configuration Manager. All three location types are exported to a text file, along with additional user, system, or node information, when using the **Export to Text** feature. You can create and store the Location default strings (maximum 250 characters) in one central location for all three types of Location default strings. You must have the Create Default Strings privilege to create and modify Location default strings. Additionally, any modifications to location default strings are reflected in the Audit Trail.

Software Qualification Tool (SQT)

The Software Qualification Tool (SQT) for both an Installation Qualification (IQ) and an Operational Qualification (OQ) have a streamlined process for reporting and performing hand-written or electronic signatures. These improvements greatly enhance the ability to report qualification results.

- Filtering is available in the **Result Set** tab for the processing node, to locate, report, and sign the correct results.
- When you execute an SQT request, Empower software supplies the date, which no user can modify, and clears any information that was entered for a previous request. In this way, manual entry errors are prevented and System Administrators can quickly determine if a qualification request was performed for a node.

System Control Licenses

You can now assign Shimadzu LC, Shimadzu GC, and Hitachi LC licenses to use with Shimadzu and Hitachi instruments. These licenses are used to control the number of Shimadzu and Hitachi instruments that can be brought online. Each system can log only one instrument per type and per maker. For example, if one system contains multiple Shimadzu instruments that are labeled "ShimadzuLC", they are all counted as one Shimadzu LC system control license use.

If the system contains multiple instruments from a different vendor, each group of instruments per vendor is counted as one license use. Licenses are classified as "Used" only when an instrument is brought online; however, when the total number of non-Waters instruments exceeds the total number of licenses available, an additional instrument cannot be brought online. Additionally, when you attempt to connect to a system that contains a Shimadzu LC/GC or Hitachi LC instrument, Run Samples verifies that its respective system control license is activated. If it is not activated, Run Sample, QuickStart, and Open Access do not allow access to the system.

Information on Shimadzu and Hitachi license usage is available in the Systems View of the Configuration Manager, and the System Monitor. Additionally, the installed license options are listed in the Installed Options box in the About Configuration Manager dialog box.

Custom Fields addition

The Empower 3 FR3 includes a new custom field formula function called TOTEXT. You can use the TOTEXT function to convert a formula result into a text string. When you convert a formula result to a TOTEXT text string, you can use the text strings in tables and peak labels, and export them as you would other custom fields. More specifically, you can add this custom field to peak view in the Browse Project or Project window, and to peak tables in Review mode. Additionally, you can specify this custom field as the Summarize By field in a table report group and use it in the report publisher as you would other custom fields.

You can reference the TOTEXT-based custom fields in other custom field formulas to compare them against a specific number text. To sort TOTEXT-based custom fields numerically, you must

define a padding value within the TOTEXT formula. Padding adds spaces at the beginning of the text string. For example, a padding value of 3 means that there should be at least 3 characters to the left of the decimal place. If the number has less than 3 digits to the left of the decimal place, spaces are added in front of the number.

You create TOTEXT-based custom fields in the New Custom Field Wizard by selecting **peak** as the field type, **text** as the data type, and **calculated** as the data source. On the Formula Entry page of the Wizard, format the TOTEXT custom field as follows: TOTEXT(integer/real custom field, precision value, padding value). For example TOTEXT(%Area,2,3) will convert the %Area custom field to a text string with a precision of 2 and a padding of 3. The power of TOTEXT is to convert the result of a formula to text. You can also use TOTEXT to convert complex formulas such as TOTEXT(Area/[%w/w],3,9). The outcome of this is the result of Area/[%w/w] as a text string.

Additionally, you can use TOTEXT within criteria formulas the same way it is used in custom fields. When used in a criteria formula, TOTEXT must be used within a boolean function such as EQ, NEQ, EQI or EQ. For example, the formula for TOTEXT as an EQ criteria formula is EQ(TOTEXT(@Vs:%Recovery Mean, 3,5,).

Waters Net Configuration Assistant

Using the Waters Net Configuration Assistant utility you can perform the following tasks:

- Configure the Empower database connection between clients and LAC/E³² modules, and the server.
- Manage the listener control on the Empower server by starting, stopping, or obtaining the status of the listener.

The Waters Net Configuration Assistant utility replaces the Oracle Net Configuration Assistant.

QuickStart

You can create, view, and modify export methods using the Export Method Editor in Quickstart.

Sample Set Method

You can now add an Export function to a Sample Set Method using toolkit.

Additional MS Processing Improvements

When the **MS option** is enabled in the project, the **MS 3D Channel** tab is available in the Processing Method for all types of processing methods. Additionally, the Empower software has the ability to extract combined spectra, leading spectra, and trailing spectra in addition to apex spectra when processing an MS extracted derived channel with an MS processing method, even

if **MS 3D Channel Processing** is disabled. Empower software always extracts these spectra when processing an MS peak or non-MS peak with both MS 3D data in its injection and MS 3D Channel Processing enabled in its processing method. The Combined Peak Spectra %, Peak Height Threshold, and the Leading and Trailing Spectra Extraction Point processing parameters are always enabled on the **MS 3D Channel** tab. A new field is available, known as the Base Peak (Combined) field, to report the highest intensity mass in the peak's combined spectrum. Lastly, the Empower 3 FR3 includes these new spectral processing codes:

- P49, "Problem extracting an MS combined spectrum for this peak, the combined extraction region is not completely within the time range of the MS 3D channel."
 - Occurs when an MS 3D channel does not completely overlap the time calculated for a peak's combined spectrum. The software does not extract the combined spectra for the peak from the specified MS 3D channel; however, the combined spectra is still extracted for the peak from other MS 3D channels.
- P50, "Problem extracting an MS leading spectrum for this peak, the leading extraction time is not completely within the range of the MS 3D channel."
 - Occurs when an MS 3D channel does not completely overlap the time calculated for a peak's leading spectrum. The software does not extract the leading spectra for the peak from the specified MS 3D channel; however, the leading spectra is still extracted for the peak from other MS 3D channels.
- P51, "Problem extracting an MS trailing spectrum for this peak, the trailing extraction time is not completely within the range of the MS 3D channel."
 - Occurs when an MS 3D channel does not completely overlap the time calculated for a peak's trailing spectrum. The software does not extract the trailing spectra for the peak from the specified MS 3D channel; however, the trailing spectra is still extracted for the peak from other MS 3D channels.
- MV86, "Warning: The Variance Component of the Model (Inter) is negative."
 - Occurs when the MS Intra (Error) is greater than the MS Inter (Model) when there are not enough points in the dataset. It is an indicator of an incorrect Model.

Automatic Peak Tracking Processing

When the **MS option** is enabled in the project, automatic Peak Tracking processing assigns masses to peaks after the apex and combined spectra are extracted and the peak's Base Peak and Base Peak (Combined) values are set. Consequently, the Assigned Mass Value and Assigned Mass fields for the peak are populated according to the assigned mass parameters specified in the processing method. Automatic Peak Tracking is a two-step process.

1. The peak's Assigned Mass Value is set according to the Spectra for Assigned Mass field in the processing method.

- If the Assigned Mass is set to Apex Spectrum, the peak's Assigned Mass Value is populated with the peak's Base Peak value.
 - If the Assigned Mass is set to Combined Spectrum, the peak's Assigned Mass Value is populated with the peak's Base Peak (Combined) value.
 - If the Assigned Mass is set to None, the peak's Assigned Mass Value is left empty.
2. The Assigned Mass Value is formatted as a string to the precision specified in the Assigned Mass Precision field of the processing method. The string is then copied into the Assigned Mass field.

Note: Mass Assignment only applies to automatically or manually integrated peaks, which do not include Missing or Group peaks.

New NuGenesis option for Empower Personal (workstations)

For Empower Personal workstations, customers can enable an option called NuGenesis that allows you to archive data using SDMS functionality. If the **Autoarchive** option is enabled, you cannot enable this option.

Note: The NuGenesis option is available for purchase for Enterprise installations.

Instruments, operating systems, and devices not supported

Empower 3 Feature Release 3 does not support the following instruments, OS, and devices:

- Waters ZQ 2000 Mass Detector
- Waters ZQ 4000 Mass Detector
- Waters EMD1000 Mass Detector
- Windows XP
- Windows Server 2003
- Empower Mobile

The *Empower 3 Supported Instruments and Devices Reference Guide*, available on the Waters website, contains the list of supported instruments and their instrument component software (ICS) versions, if applicable.

Issues resolved in this release

This section lists the problems resolved in this release. The numbers identify software issues that Waters personnel monitor within a system change request tracking tool.

40533, 49515, and 53338

When specifying the name of the email account seen by the designated recipient of an email message sent via the Email center, you can now include the @ character. You do so on the **Email Policies** tab of the System Policies dialog box, in the Default From Name field.

44359, 52875, and 53668

You can now use the hyphen (-) and period (.) in user names used for Empower and LDAP user accounts to create or modify user names in Empower software.

45422, 48808, 52659, and 54210

Previously, the StartHeight and EndHeight values for TT and BB peaks were non-zero, and as a result, their start p/v and end p/v columns were populated with non-zero values. Additionally, the StartHeight and EndHeight values for BV, VV, and VB peaks were automatically modified after reprocessing was completed. Now, the StartHeight and EndHeight values for TT and BB peaks are 0, by default, and their start p/v and end p/v values are blank. Additionally, the StartHeight and EndHeight values for BV, VV, and VB peaks are not modified after reprocessing is complete.

48777

Previously, in Empower 3 software, you could bring only one sample or result set into Review or Quickstart at a time. Now, you can bring multiple sample or result sets into Review or Quickstart at one time and use the **Next** and **Previous injection** buttons.

49311

Previously, an error message appeared when the instrument method specified a stroke volume that failed to support the flow rate specified for an Alliance instrument. Now the error message no longer appears when these Alliance models are used:

- 2690
- 2690D
- 2695DN
- 2695E
- 2695N
- 2790
- 2795E
- 2795N

51150

Previously, on the **MS 3D Channel** tab in the processing method editor, the MS 3D Component table did not correctly fill its available space, affecting the table's appearance. Now, the available space fills correctly, and the table's appearance is normal. Additionally, the table on the **MS Expected Mass** tab in the processing method editor also appears normally.

51223

You can now save and retrieve, via the validation review window, stability-test preferences for stability testing, storage summary and data tables. Preferences related to validation tests generated using versions of the software issued between (and including) Empower 3 Feature Release 2 and Empower 3 Feature Release 3 are saved as new preferences. Preferences related to validation tests generated using versions of the software issued previous to Empower 3 Feature Release 2 are saved as old preferences.

51539

The Empower 3 FR3 software enables the opening, viewing, creating, modifying, and use of an export method by means of the QuickStart interface.

51543

Previously, if the default system password was changed, the installer failed to upgrade the software. Now, the installer successfully upgrades the software even if the default system password was changed.

51552

Previously, the Sample Weight Importer application would close unexpectedly when launched. Now, the Sample Weight Importer application opens correctly when launched in Empower.

51764

Previously, if the 64-bit version of Oracle was installed, the Empower 3 software installer would fail. Now, if the 64-bit version of Oracle is installed, the Empower 3 software installer installs the 32-bit version of Oracle and works correctly.

51824

In the Method Set window, the **Save Extracted Channels** check box is renamed. It is now the **Save PDA Extracted Channels** check box.

The **Delete 3D Channel After Extraction** check box is renamed when it appears in the Review, Quickstart or Quickset window. It is now the **Delete PDA 3D Channel After Extraction** check box.

Additionally, two check boxes, **Save MS Extracted Channels** and **Delete MS 3D Channel After Extraction**, are added. In the MS processing method, if you select the **Enable MS 3D Channel Processing** check box, the 3D MS channels are deleted, and the MS 2D extracted channel is saved after processing.

Finally, an error message no longer appears when you use the **Save As** command to save a method set.

51914

Previously, if a user included the Sample Set Method group in a report method and then previewed the results in the modified report, an error message would incorrectly state that the group contained information that does not match the reported data. Now the error message does not appear.

52014

When the **Annotate unknown peaks** option is disabled, all labels of unknown peaks are removed from the chromatogram in Review, Compare, and Reporting.

52078

The Empower 3 FR3 software now correctly displays the Select column on the **Spectra** tab in Spectrum Review within the QuickStart interface.

52634

The Empower software no longer issues an error message when you use the Sample Set Method creation wizard to create a dissolution Sample Set Method for Bath B only. Additionally, the dissolution Sample Set Method for Bath B is created successfully regardless of whether you specify a plate type.

52647

Previously, the export method would fail if the system Field Name was changed. Now, the export method works correctly.

52649 and 53725

Previously, the Report Method ID appeared twice in both default report method footers and General Foot report groups, causing the Report Method ID text to be unaligned and unclear. Now, the Report Method ID only appears once in the specified footers and is read clearly.

52674

Previously, when the **Method Validation** option was not enabled, you could select the user types **Method Validation Administrator** and **Method Validation Chemist**. Now, when the option is not enabled, those user types are unavailable.

52686

Previously, when you attempted to back up a Client/Server (C/S) project to a local directory, the software would generate invalid file handle errors and report the error messages to the Message Center and the event viewer log. Now, the software no longer generates the errors.

52755

The login functionality now allows users from the second configured domain to log in successfully.

53000

In list-box areas of the configuration manager's Copy Preferences window, you can now scroll and view the names of entire projects and users that were previously too long to be visible. Scroll bars are visible only when project or user names exceed the size of the visible list-box area.

53025

Previously, when a method was saved with unrestricted and revision comments in the Empower Toolkit, the unrestricted comments were missing from the project audit trail. Now, when you save a method with such comments in the Empower Toolkit, they appear in the project audit trail.

53116

Previously, you could not export process-only sample sets (POSS), result sets, and POSS results. Now, you can export POSS while they are processed. Additionally, you can export result sets and POSS results.

53472

Previously, when you copied a sample set to another project that lacked sufficient tablespace storage, the data set would be copied incompletely. Now, if the destination project does not contain sufficient tablespace, the sample set is not copied into the project.

53473

Previously, in the Japanese version of Empower, the comma for signoff reason in the Sign Off table was single byte for the Pro interface but double byte in QuickStart. The double-byte character prevented the Signoff Level 2 result from completing when the Signoff Level 1 reason was performed in QuickStart. Now, the second comma no longer exists and the Signoff Level 2 result is processed successfully in both Pro and QuickStart.

53517

Results shown in the Toolkit SignOff Viewer can now be filtered using the View Filter name functionality.

53522

Previously, when you altered a sample set, Empower would copy to the original sample-set method some changes made to individual samples. Then, when you used this altered sample set-method to acquire a new sample set, the Altered check marks were erroneously carried forward to the sample collected in a newly acquired data set. Additionally the vial IDs of the original sample set were incorrectly copied to the new sample set. Now, when you alter a sample set and then create a new one, the original sample set's history states that it was previously altered, and the vial IDs are no longer copied to the new sample set.

53533

Previously, when viewing PDA or MS results in the Review Main window, if you changed the zoom setting on the 2D or contour plot, the zoom returned to the default setting when you viewed another result. Now, the 2D and contour plot zoom setting is maintained when viewing another result in the Review Main window. This functionality exists in both the Pro and Quickstart interfaces.

53538

Previously, the System Precision test created additional system precision results when the test line had multiple component type rows. Now, the System Precision test processes the correct number of system precision results when the test line has multiple component type rows. Additionally, the correct number of system precision results are produced when the Method Validation Manager test's result sets contain multiple sample matrices or multiple channel results. With this improvement, the results used for system precision processing can have different sample matrices or channels than the results used for Method Validation Manager tests.

53665

Previously, the Empower software would require you to select projects as destinations for certain custom fields and also before copying custom fields. Now, you must select projects as destinations only once. Additionally, the configuration manager would stop unexpectedly when attempting to copy and save custom fields between two projects. Now it no longer does so.

53783

The SmartBear program is removed when the Empower 3 FR3 software is uninstalled.

53818

Previously, the 2414 Ethernet proxy field was truncated when the time filter setting was set to 0.2 sec and the applied filter was set to 0.0 sec. Now, the 2414 Ethernet proxy field is not truncated when the time filter setting is set to 0.2 sec and the applied filter is set to 0.0 sec.

53871

The Empower 3 software now allows dual-tower capable non-Agilent autosamplers, such as the CTC PAL autosampler, to initiate sample preparation steps using the inject ahead functionality.

53896

Previously, the Alter Sample window was slow to open when you used dissolution custom fields. Now, the Alter Sample window opens within an appropriate amount of time.

53903 and 54130

Previously, when a purity value was entered for an external standard, but not for its internal standard, the Empower software would incorrectly use the external standard's purity value to correct the amount and concentration values for the internal standard. Now, except for group peaks, the purity value defaults to 100.0 when a purity value is not entered for internal standards. Group peaks are not assigned a purity value when you do not specify one in the sample or processing method.

Empower 3 FR3 uses purity values to calculate properties for various sample types. In the case of unknown samples whose x values are equal to their concentrations, the concentration value is corrected using the purity value. In addition, the purity value is now used to calculate both the amount and concentration values for internal standards.

53919

Support for the Velox FTN-R sample manager is enabled. You can now specify injections from vial positions V1, V2, V3, and V4.

53921 and 54549

Previously, when the **Don't allow multiple logons** option was disabled in the Empower system policies, you could alter the user type of the first logged-in user. Additionally, when the **Don't allow multiple logons** option was enabled, you could click the **Login New User** button. Now, you can no longer alter the user type of the first logged-in user or allow new users to log in when the **Don't allow multiple logons** options is enabled.

53925

Previously, the Empower Run Samples run-time clock differed and lagged significantly from the elapsed time by as much as 8%. Now, the Empower Run Samples run-time clock displays the correct elapsed time.

53930

Certain stoichiometric calculations can require you to specify a purity value greater than 100%. Thus the Purity field in the Processing Method Editor, Component Editor, Run Sample window, and Alter Sample dialog box can now accept values as high as 150%.

53949

The Empower 3 FR3 installer assigns the proper database permissions to support Empower Mobile.

53956

You can now enable LDAP debugging and error code logging.

53963

Previously, after running the Waters SystemsQT wizard, an error message would incorrectly appear, and the tests would fail to run. Now, after running the Waters SystemsQT wizard, no error message appears, and the tests run correctly.

53965

Previously, the Empower software recognized the fourth order coefficient, E, as the numeral 0.0 instead of the correct E coefficient value when calculating the peak custom field. Now the Empower software uses the fourth order coefficient, E, value to calculate the peak custom field.

53966

Previously, the base peak values for manually integrated peaks, both traditional and ApexTrack, were calculated incorrectly. Now, all MS values, including base peak, are calculated correctly.

53998

Previously, when cloning a database, the Licensing wizard generated a duplicate license registration file, which prevented you from using the same multi-database user license on the cloned database. Now, when you deactivate all licenses before cloning the database, the database refreshes and you can create a new registration file that is unique to the installation.

54002

Previously, when you used Velox FTN-R or ACQUITY FTN instruments, the Empower 3 software did not support auto injection when used with Look Ahead feature. Now the Empower 3 software FR3 supports the use of auto injection with the Look Ahead feature when you use Velox FTN-R or ACQUITY FTN instruments.

54072

The Empower software now calculates the value of the % area against main component only for peaks with blank or impurity component types. The value is not calculated for peaks with non-impurity component types when additional main components are selected.

54076

Previously, when you attempted to log in to Empower software via the Toolkit application using an invalid user name or password, the system audit trail recorded an incorrect node name. Now the audit trail records the node name correctly.

54082

Previously, Empower inconsistently applied the internal standard's Purity value to correct the internal standard's Amount or Concentration values when the X Value of the component using the internal standard did not match the Sample Value Type. Now, when the value type is expressed as an amount, the software uses the purity value to calculate the concentration. Conversely, when the value type is expressed as a concentration, the software uses the purity value to calculate the amount.

54124

Previously, when the channels of a bus SAT/IN were split between two Empower systems, and you began an acquisition, the instrument server unexpectedly stopped when the second system was started, and an error message appeared. Now, the instrument server operates correctly, and the acquisition runs to completion without error.

54147

Privileges for the MILLOGIN role are now restricted to connecting and reading the password from the MILLOGIN schema.

54166

Previously, when managing MS ion ratio processing, the software would add extra sub-results. Specifically, all of the primary or secondary ion-ratio channels that did not match the channel being processed were added as sub-result channels. This behavior occurred even when the components associated with the channels could not be identified in the result because of the specified channel setting in the component table. Now the MS ion-ratio functionality operates correctly when processing several components in the same processing method. Additionally, the

method set editor retains the original names of the derived channels when they are no longer listed in the channel table.

54238

In the Export Method Editor dialog box, the **ASCII** and **AIA** email check boxes now work as intended, and the results in .arw and .cdf format are sent by email.

54383

The Empower 3 FR3 software now allows URLs that begin with https:// to support SSL servers. This functionality allows the Empower software to access the NuGenesis SR2 SSL server from the NuGenesis SDMS Archive Properties dialog page.

54414

Previously, when you selected **USP** for the pharmacopoeia value in the processing method, the USP resolution value was calculated and reported incorrectly. Alternatively, when you selected **All** for the pharmacopoeia value, the USP resolution value was calculated and reported correctly. Now, when you select **USP** for the pharmacopoeia value, the USP resolution is calculated and reported correctly.

54558

Previously, when you saved a sample set method in standard projects (non-Method Validation Manager projects), the sample matrix entries in the sample set method rows were not saved. Now, when you save the sample set method, the sample matrix entries in the sample set method rows are saved.

54576

Previously, when using Windows 8.1, the buttons on the System Policies, Export Method Editor, and Test Parameters dialog boxes were not visible because of size limitations. Now, you can view the non-visible buttons on the System Policies, Export Method Editor, and Test Parameters dialog boxes by using a scroll bar or changing the screen resolution.

54588

Previously, when you opened the Run Samples window from the Project window, the flat-line chromatogram and the Empower password did not appear in the Instrument Monitor Log Message window. Also, when you opened the Run Samples window from the Empower Log in

window, the flat-line chromatogram did not appear, but the Empower password appeared in the Instrument Monitor Log Message window. Now, when you open the Run Samples window from either the Project window or the Empower Log in window, the flat-line chromatogram and the Empower password correctly appear in the Instrument Monitor Log Message window.

54602

Previously, the software login time over a WAN was excessively long. Now, the software login process over a WAN occurs within an appropriate amount of time.

54669

Previously, when you brought an MS SIR channel into the Review window and tried to integrate using a processing method that identified a component in that channel while using an internal standard in a different channel, the Review window closed unexpectedly when you clicked the **Integrate** button. Now, when you integrate, the Review window no longer closes unexpectedly.

Known issues in this release

This section lists the known issues and workarounds for this release. The numbers identify software issues that Waters personnel monitor within a system change request tracking tool.

44633

When you report a summary plot in which two different limits are specified for the same parameter, the summary plot uses only the first limit. If the limit used by the plot does not apply to the summary data, faulted and un-faulted results are misinterpreted.

Workaround: Create a custom field with a formula equal to the original field, to specify different limits for calibrated and quantitated samples. In the processing method, set the During Calibration Limit to the original field and the During Quantitation Limit to the newly created custom field. Create a report with two summary plots: one for the original field that includes only the results processed as standards, and the other for the custom field that includes only the results processed as unknowns.

48692

When you use the FetchById function in Toolkit with an incorrect method type, no error message appears and incorrect data is fetched.

51252

The Empower 3 FR3 software does not support, as a print option, printing to an XPS document. When the XPS printer is selected, an error message appears stating that the software cannot print to the selected printer.

Workaround: Export the report to a PDF file, and then print to an XPS document by means of the PDF viewing software. Additionally, if you prefer to print rather than export, install PDF printers to print the report.

52026

The inject ahead functionality for Agilent 7890 GC instruments requires a driver update that is unavailable at the time of the Empower 3 FR3 release.

53151

When using the QuickStart interface in a full audit trail project and submitting a sample set while baseline monitor is running, two comment windows may appear. When you close the second one (Sample Acquisition Change window) without entering a comment, the Run Samples window freezes and you must use Windows Task Manager to close the window.

Workaround: In the Sample Acquisition Change Window, do not enter a comment and click **Next**.

53197

The software is designed so that you cannot modify a dissolution sample set that is running. This type of change can invalidate processing for the dissolution report.

54266

When generating the Component Summary table for multiple peaks that have the same value identified as the summary by field, only the first peak is chosen from each result and the remaining peaks are disregarded. On the Component Summary page, you cannot create a summary by Assigned Mass report if the peak names are missing. Additionally, if the peaks are not ordered, you may see component summary results that appear incorrect or inconsistent. For example, if a result has 5 peaks and 3 have the same summary by field, and an assigned mass of 285, the software automatically chooses the first peak with this value, even if it is not the first peak of the result.

Workaround: Choose a summary by field that is unique from peak to peak per result.

54379

When you attempt to create identical filters using two or more highlight conditions in the Manage Storage page of Waters Database Manager, an error message appears and the filters are not applied.

54397

Waters Database Manager reports the number ORA-errors from the trace log, which can be viewed by opening the trace log.

54428

On Chinese and Korean systems, faulted peaks do not appear as red italic text in the generated report preview.

Workaround: To ensure that faulted peaks are reported as red italic text, ensure that **italic** and **red** are selected as the faulted peak font setting before generating the report.

54430

When you install Empower FR3 software on an Empower 3 LAC/E³² module that does not meet the minimum memory requirements specified in the *Empower 3 Installation, Configuration, and Upgrade Guide*, a message states that the Empower 3 client, not the Empower 3 LAC/E³², fails to meet the minimum requirement. The installation log also lists, incorrectly, the Empower 3 client as failing to meet the memory requirement.

54447

When running the installation for optional components, the Export Utility destination folder name for the system object export file cannot contain any spaces.

54463

When you check the **Mix Cycles** and **Mix Stroke Volume** check boxes on the Advanced Settings page, which you access via the **General** tab of the Instrument Method Editor for the SM FTN-R, and you do not change the Automatic (default) setting, the check boxes are cleared after you save the instrument method or change the window tab.

Workaround: To ensure that the check boxes remain selected, change the **Automatic (default)** setting.

54474

You cannot use the auto addition functionality on an ACQUITY rFTN with samples in vial positions V1 through V4.

54483

When you attempt to print from Empower Analytics to an XPS document writer, an error message appears and a 0 KB .xps file is created that cannot be opened.

54559

When you perform a run on the FTN instrument, with auto-addition and Load Ahead, the instrument and software fails if you select the **Load Ahead** check box in the instrument method.

Workaround: Do not select the **Load Ahead** check box when creating or modifying the instrument method.

54603

When using a Chinese Empower 3 FR3 Pro interface that runs on the Windows 8.1 operating system, you sometimes cannot open the Review window from the Pro interface.

Workaround: In the Pro interface, double-click—do not single-click—the **Review** icon.

54620

When you access Waters Database Manager using an iPad 3, the help icon is missing on page 2 of the title bar.

54634

In Method Validation Manager, if a validation protocol method was modified within a validation study after some or all of the validation results were created, and then the study was included in a report, the report includes the latest version of the protocol method, not the version that was modified to obtain the initial results.

Workaround: To see the validation protocol associated with a validation result, report the validation result and include the validation protocol method group in the report.

54639

On the **MS 3D Channel** tab within an MS processing method, the software allows you to specify a range of 0 to 50% for the Leading Spectra Extraction Point (%) field. However, in order to extract peak information at the retention time, the range should be 0 to 100%.

54679

In English, Chinese, Japanese, and Korean versions of the interface, when the software runs on the Windows 8.1 operating system, some characters on the title page for the online Help are truncated when printed.

54680

On the **Default Amounts Purity** tab of a processing method, the tool tip displays out-of-range purity values as having incorrect decimal places. The displayed range is 0.001 and 150.0; it should be 0.001 and 150.000.

54681

When you save six or more custom fields in the Save Project window, the window's size obscures the view of some fields or truncates them.

54722

The description for the Q70 processing code is written incorrectly in the online Help system. The correct description is "Problem setting impurity response, Impurity Response field not found". This happens if the Impurity Response was set to a custom field that has been deleted or if the Impurity Response was set to a peak field whose availability is controlled by an option that is currently not enabled.

54724

You cannot upgrade an Empower software database from Empower FR2 to FR3 that is running on a Solaris (RedHat) or Linux (Unx) server.

Workaround: To upgrade an Empower database from Empower FR2 to FR3 that is running on a Solaris or Linux server, perform these tasks:

1. Back up the Empower software FR2 database.
2. Back up all projects.
3. Remove all Empower software licenses.

4. Install Oracle software version 11.2.0.4 on a new server.
5. Create a new database instance by following the directions on the Empower 3 FR3 media.
6. Use the scripts on the Empower 3 FR3 media to populate the database.
7. Add Empower software licenses to the new database.
8. Restore all projects.

54725

When upgrading from Empower 3 Feature Release 2 to Empower 3 Feature Release 3, the Test Execute 8 shortcut is not removed.

Workaround: To manually remove the Test Execute 8 shortcut, click the **Start** button, select **All Programs**, right-click on **AutomatedQA**, and select **Delete**.

54733

The *Empower 3 Installation, Configuration, and Upgrade Guide* contains the following incorrect statement: "If you uninstall Empower software, Test Execute software is removed from the Windows Control Panel and the Start menu, but it is not removed from the Windows Registry Editor." In actuality, when you uninstall the Empower software, the Test Execute software is removed from the Windows Control Panel, Start menu, and the Windows Registry Editor.

Program files modified in this release

Program files

The following program files in the Empower\Bin directory were modified for Empower 3 Feature Release 3:

File name	Description	File Version
AnalyticsObjects.dll	Contains objects for the empower analytics application.	7.0.3471.909
AnalyticsSetup.exe	Analytics Setup application.	7.0.3471.909
andims.dll	Contains ANDI mass spectrometry library objects.	7.0.3471.909
AutoArchive.exe	The AutoArchive application.	7.0.3471.909
Cmgr.exe	The Configuration Manager application.	7.0.3471.909

File name	Description	File Version
Cmgrlib.dll	Contains the Configuration Manager library.	7.0.3471.909
Compare.exe	The Compare application.	7.0.3471.909
BreezeLicensingplugin.dll	C# plugin for Breeze Licensing application.	7.0.3471.909
Dconvert.exe	The application that restores pre-Millennium 3.0 data.	7.0.3471.909
Empower.exe	The main Empower application.	7.0.3471.909
EmpowerLicensingplugin.dll	C# plugin for Empower Licensing application.	7.0.3471.909
Ethernetlee.dll	Contains all the control objects necessary to connect and use the National Instruments Ethernet to IEEE converter box.	7.0.3471.909
ImmdSrvr.exe	Contains immediate background processing reporting and exporting support.	7.0.3471.909
ImpExp.dll	The Import/Export Library.	7.0.3471.909
InEditor.exe	The Instrument Editor application.	7.0.3471.909
InstrumentServer.exe	The Instrument Service application.	7.0.3471.909
Interop.OPTINTLib.dll	C Sharp support library.	1.1.0.0
IPalisade.dll	Contains the Palisade mass spectrometry library.	7.0.3471.909
ManTune.exe	The Manual Tune application.	7.0.3471.909
MillServices.dll	Contains definitions for the Millennium user interface.	7.0.3471.909
Mil0.dll	Contains base objects which implement database connection, security, user and user type objects, etc.	7.0.3471.909
Mil1.dll	Contains base objects which implement higher level objects such as methods, results, etc.	7.0.3471.909
Mil2.dll	Contains base objects which implement higher level objects including data processing, integration, calibration, etc.	7.0.3471.909
Mil3.dll	Contains objects which implement higher level objects such as reporting groups and display graphics.	7.0.3471.909

File name	Description	File Version
Milp.dll	Contains base objects which implement higher level objects including data processing, integration, calibration, etc.	7.0.3471.909
Milres.dll	Common resources.	7.0.3471.909
MilTK.dll	Contains basic Toolkit objects.	7.0.3471.909
msdiag.exe	The TMD Diagnostics application.	7.0.3471.909
mseditor.exe	The Method Set Editor application.	7.0.3471.909
Msgcenter.exe	The Message Center application.	7.0.3471.909
MtkCtrl.dll	Contains Toolkit control objects.	7.0.3471.909
netcdf.dll	Contains low level processor format objects.	7.0.3471.909
Open Access.exe	The Open Access application.	7.0.3471.909
OptInt.dll	Contains licensing and option objects.	7.0.3471.909
OQ.exe	The Operations Qualification application.	7.0.3471.909
Pdcalib.exe	The PDA Calibration application.	7.0.3471.909
Pdadiag.exe	The PDA Diagnostic application.	7.0.3471.909
pmeditor.exe	The Processing Method Editor application.	7.0.3471.909
procmon.exe	The Processing Monitor application.	7.0.3471.909
ProcSrvr.exe	The Processing Server application.	7.0.3471.909
project.exe	The Project application.	7.0.3471.909
Quickset.exe	The Run Samples application.	7.0.3471.909
QuickStart.exe	The QuickStart application.	7.0.3471.909
Report Publisher.exe	The Report Publisher application.	7.0.3471.909
restoredb.exe	The Restore Database application.	7.0.3471.909
Review.exe	The Review application.	7.0.3471.909
RptViewer.exe	The Report Viewer application.	7.0.3471.909
setarchdatabase.exe	The Set AutoArchive database application.	7.0.3471.909
SetEmailDatabase.exe	The Set E-Mail database application.	7.0.3471.909
ShowMeHelpSynchronizer.dll	Contains objects for the empower Show Me Help.	7.0.3471.909
Sseditor.exe	The Sample Set Editor application.	7.0.3471.909
StoreSrv.dll	Contains Storage Server classes.	7.0.3471.909

File name	Description	File Version
StoreSrv.exe	The Storage Server application.	7.0.3471.909
StoreSrvProxy.dll	Contains Storage Server proxy stubs.	7.0.3471.909
SysMon.exe	The System Monitor application.	7.0.3471.909
Update2487.exe	Firmware updates for the 2487 Detector.	7.0.3471.909
uploadSrv.dll	Adapter for the Waters Data Converter.	7.0.3471.909
ValidationManager.exe	The Validation Manager application.	7.0.3471.909
ValidationReview.exe	The Validation Review application.	7.0.3471.909
VerifyOpt.exe	The Verify Options application.	7.0.3471.909
WatersEmailService.exe	The Waters E-mail service.	7.0.3471.909
Waters.Licensing.Wizard.exe	The Waters Licensing Wizard application.	7.0.3471.909
WatersService.exe	The Waters Service.	7.0.3471.909
Waters.Empower.AnalyticsViewer.exe	Waters Empower Analytics Viewer application.	7.0.3471.909

C# Files

The following C# files were modified for Empower 3 Feature Release 3:

File name	Description	File Version
Waters.UI.WatStyle.dll	The Waters Licensing UI style objects.	7.0.3471.901
Waters.UI.WatTreeView.dll	The Waters Licensing UI tree view objects.	7.0.3471.901
Waters.UI.WatValidator.dll	The Waters Licensing UI validator objects.	7.0.3471.901

English language directories

The following English language directories were modified for Empower 3 Feature Release 3:

File name	Description	File Version
en\AutoArchiveRes.dll	Resources for Auto Archive	7.0.3471.909
en\CmgrRes.dll	Resources for Configuration Manager	7.0.3471.909
en\CompareRes.dll	Resources for Compare	7.0.3471.909
en\DconvertRes.dll	Resources for Dconvert	7.0.3471.909
en\EmpowerRes.dll	Resources for the Empower application	7.0.3471.909

File name	Description	File Version
en\ImmdsrvRes.dll	Resources for Immd server	7.0.3471.909
en\ImpExpRes.dll	Resources for Import export application	7.0.3471.909
en\InEditorRes.dll	Resources for Instrument Editor application	7.0.3471.909
en\InstrumentServerRes.dll	Resources for Instrument Server application	7.0.3471.909
en\ManTuneRes.dll	Resources for Manual Tune application	7.0.3471.909
en\Mil0Res.dll	Resources for Mil0	7.0.3471.909
en\MilresRes.dll	General resources	7.0.3471.909
en\MilTkRes.dll	Toolkit resources	7.0.3471.909
en\msdiagRes.dll	Resources for the msDialog	7.0.3471.909
en\msEditorRes.dll	Resources for the MS Editor application	7.0.3471.909
en\MsgCenterRes.dll	Resources for the Message Center application	7.0.3471.909
en\MtkCtrlRes.dll	Resources for the Toolkit Control	7.0.3471.909
en\Open Access Res.dll	Resources for the Open Access application	7.0.3471.909
en\optintRes.dll	Resources for the OptInt application	7.0.3471.909
en\OqRes.dll	Qualification resources	7.0.3471.909
en\PdocalibRes.dll	Resources for the PDA calibration application	7.0.3471.909
en\pdadiagRes.dll	General resources	7.0.3471.909
en\pmeditorRes.dll	Toolkit resources	7.0.3471.909
en\ProcMonRes.dll	Resources for the Processing Monitor application	7.0.3471.909
en\ProcSrvRes.dll	Resources for the Processing Server application	7.0.3471.909
en\ProjectRes.dll	Project resources	7.0.3471.909
en\QuicksetRes.dll	Quickset resources	7.0.3471.909
en\QuickStartRes.dll	QuickStart resources	7.0.3471.909
en\Report PublisherRes.dll	Resources for the Report Publisher application	7.0.3471.909
en\restoreDBRes.dll	General resources	7.0.3471.909
en\ReviewRes.dll	Resources for the Review application	7.0.3471.909
en\RPTViewerRes.dll	Resources for the Report Viewer application	7.0.3471.909
en\SetArchDatabaseRes.dll	Resources for the Set Archive Database application	7.0.3471.909
en\SetEmailDatabaseRes.dll	Resources for the Set Email Database application	7.0.3471.909
en\SSEditorRes.dll	Resources for the Sample Set Editor application	7.0.3471.909
en\SysmonRes.dll	System Monitor resources	7.0.3471.909
en\update2487Res.dll	General resources	7.0.3471.909

File name	Description	File Version
en\ValidationManagerRes.dll	Validation Manager resources	7.0.3471.909
en\ValidationReviewRes.dll	Validation Review resources	7.0.3471.909
en\VerifyOptRes.dll	Verify Opt resources	7.0.3471.909
en\WatersEmailServiceRes.dll	Waters Email Service resources	7.0.3471.909

Japanese language directories

The following Japanese language directories were modified for Empower 3 Feature Release 3:

File name	Description	File Version
ja\AutoArchiveRes.dll	Resources for Auto Archive	7.0.3471.909
ja\BreezeLicensingplugin. resources.dll	Resources for the C# Breeze Licensing application	1.0.0.0
ja\CmgrRes.dll	Resources for Configuration Manager	7.0.3471.909
ja\CompareRes.dll	Resources for Compare	7.0.3471.909
ja\DconvertRes.dll	Resources for Dconvert	7.0.3471.909
ja\EmpowerLicensingplugin. resources.dll	Resources for the C# Empower Licensing application	7.0.3471.909
ja\EmpowerRes.dll	Resources for the Empower application	7.0.3471.909
ja\ImmdsrvRes.dll	Resources for Immd server	7.0.3471.909
ja\ImpExpRes.dll	Resources for Import export application	7.0.3471.909
ja\InEditorRes.dll	Resources for Instrument Editor application	7.0.3471.909
ja\InstrumentServerRes.dll	Resources for Instrument Server application	7.0.3471.909
ja\ManTuneRes.dll	Resources for Manual Tune application	7.0.3471.909
ja\Mil0Res.dll	Resources for Mil0	7.0.3471.909
ja\MilresRes.dll	General resources	7.0.3471.909
ja\MilTkRes.dll	Toolkit resources	7.0.3471.909
ja\msdiagRes.dll	Resources for the msDialog	7.0.3471.909
ja\msEditorRes.dll	Resources for the MS Editor application	7.0.3471.909

File name	Description	File Version
ja\MsgCenterRes.dll	Resources for the Message Center application	7.0.3471.909
ja\MtkCtrlRes.dll	Resources for the Toolkit Control	7.0.3471.909
ja\Open Access Res.dll	Resources for the Open Access application	7.0.3471.909
ja\optintRes.dll	Resources for the OptInt application	7.0.3471.909
ja\OqRes.dll	Qualification resources	7.0.3471.909
ja\PdocalibRes.dll	Resources for the PDA calibration application	7.0.3471.909
ja\pdadiagRes.dll	General resources	7.0.3471.909
ja\pmeditorRes.dll	Toolkit resources	7.0.3471.909
ja\ProcMonRes.dll	Resources for the Processing Monitor application	7.0.3471.909
ja\ProcSrvRes.dll	Resources for the Processing Server application	7.0.3471.909
ja\ProjectRes.dll	Project resources	7.0.3471.909
ja\QuicksetRes.dll	Quickset resources	7.0.3471.909
ja\QuickStartRes.dll	QuickStart resources	7.0.3471.909
ja\Report PublisherRes.dll	Resources for the Report Publisher application	7.0.3471.909
ja\restoreDBRes.dll	General resources	7.0.3471.909
ja\ReviewRes.dll	Resources for the Review application	7.0.3471.909
ja\RPTViewerRes.dll	Resources for the Report Viewer application	7.0.3471.909
ja\SetArchDatabaseRes.dll	Resources for the Set Archive Database application	7.0.3471.909
ja\SetEmailDatabaseRes.dll	Resources for the Set Email Database application	7.0.3471.909
ja\SSEditorRes.dll	Resources for the Sample Set Editor application	7.0.3471.909
ja\SysmonRes.dll	System Monitor resources	7.0.3471.909
ja\update2487Res.dll	General resources	7.0.3471.909
ja\ValidationManagerRes.dll	Validation Manager resources	7.0.3471.909
ja\ValidationReviewRes.dll	Validation Review resources	7.0.3471.909
ja\VerifyOptRes.dll	Verify Opt resources	7.0.3471.909

File name	Description	File Version
ja\WatersEmailServiceRes.dll	Waters Email Service resources	7.0.3471.909
ja\ Waters.Empower. AnalyticsViewer.resources.dll	Waters Analytics Viewer resources	7.0.3471.909
ja\ Waters.Licensing. Wizard.resources.dll	Waters Licensing Wizard resources	7.0.3471.901

Korean language directories

The following Korean language directories were modified for Empower 3 Feature Release 3:

File name	Description	File Version
ko\AutoArchiveRes.dll	Resources for Auto Archive	7.0.3471.909
ko\BreezeLicensingplugin. resources.dll	Resources for the C# Breeze Licensing application	1.0.0.0
ko\CmgrRes.dll	Resources for Configuration Manager	7.0.3471.909
ko\CompareRes.dll	Resources for Compare	7.0.3471.909
ko\DconvertRes.dll	Resources for Dconvert	7.0.3471.909
ko\EmpowerLicensingplugin. resources.dll	Resources for the C# Empower Licensing application	7.0.3471.909
ko\EmpowerRes.dll	Resources for the Empower application	7.0.3471.909
ko\ImmdsrvRes.dll	Resources for Immd server	7.0.3471.909
ko\ImpExpRes.dll	Resources for Import export application	7.0.3471.909
ko\InEditorRes.dll	Resources for Instrument Editor application	7.0.3471.909
ko\InstrumentServerRes.dll	Resources for Instrument Server application	7.0.3471.909
ko\ManTuneRes.dll	Resources for Manual Tune application	7.0.3471.909
ko\Mil0Res.dll	Resources for Mil0	7.0.3471.909
ko\MilresRes.dll	General resources	7.0.3471.909
ko\MilTkRes.dll	Toolkit resources	7.0.3471.909
ko\msdiagRes.dll	Resources for the msDialog	7.0.3471.909
ko\msEditorRes.dll	Resources for the MS Editor application	7.0.3471.909

File name	Description	File Version
ko\MsgCenterRes.dll	Resources for the Message Center application	7.0.3471.909
ko\MtkCtrlRes.dll	Resources for the Toolkit Control	7.0.3471.909
ko\Open Access Res.dll	Resources for the Open Access application	7.0.3471.909
ko\optintRes.dll	Resources for the OptInt application	7.0.3471.909
ko\OqRes.dll	Qualification resources	7.0.3471.909
ko\PdocalibRes.dll	Resources for the PDA calibration application	7.0.3471.909
ko\pdadiagRes.dll	General resources	7.0.3471.909
ko\pmeditorRes.dll	Toolkit resources	7.0.3471.909
ko\ProcMonRes.dll	Resources for the Processing Monitor application	7.0.3471.909
ko\ProcSrvRes.dll	Resources for the Processing Server application	7.0.3471.909
ko\ProjectRes.dll	Project resources	7.0.3471.909
ko\QuicksetRes.dll	Quickset resources	7.0.3471.909
ko\QuickStartRes.dll	QuickStart resources	7.0.3471.909
ko\Report PublisherRes.dll	Resources for the Report Publisher application	7.0.3471.909
ko\restoreDBRes.dll	General resources	7.0.3471.909
ko\ReviewRes.dll	Resources for the Review application	7.0.3471.909
ko\RPTViewerRes.dll	Resources for the Report Viewer application	7.0.3471.909
ko\SetArchDatabaseRes.dll	Resources for the Set Archive Database application	7.0.3471.909
ko\SetEmailDatabaseRes.dll	Resources for the Set Email Database application	7.0.3471.909
ko\SSEditorRes.dll	Resources for the Sample Set Editor application	7.0.3471.909
ko\SysmonRes.dll	System Monitor resources	7.0.3471.909
ko\update2487Res.dll	General resources	7.0.3471.909
ko\ValidationManagerRes.dll	Validation Manager resources	7.0.3471.909
ko\ValidationReviewRes.dll	Validation Review resources	7.0.3471.909
ko\VerifyOptRes.dll	Verify Opt resources	7.0.3471.909

File name	Description	File Version
ko\WatersEmailServiceRes.dll	Waters Email Service resources	7.0.3471.909
ko\ Waters.Empower. AnalyticsViewer.resources.dll	Waters Analytics Viewer resources	7.0.3471.909
ko\ Waters.Licensing. Wizard.resources.dll	Waters Licensing Wizard resources	7.0.3471.901

Chinese language directories

The following Chinese language directories were modified for Empower 3 Feature Release 3:

File name	Description	File Version
zh-chs\AutoArchiveRes.dll	Resources for Auto Archive	7.0.3471.909
zh-chs\BreezeLicensingplugin. resources.dll	Resources for the C# Breeze Licensing application	1.0.0.0
zh-chs\CmgrRes.dll	Resources for Configuration Manager	7.0.3471.909
zh-chs\CompareRes.dll	Resources for Compare	7.0.3471.909
zh-chs\DconvertRes.dll	Resources for Dconvert	7.0.3471.909
zh-chs\EmpowerLicensingplugin. resources.dll	Resources for the C# Empower Licensing application	7.0.3471.909
zh-chs\EmpowerRes.dll	Resources for the Empower application	7.0.3471.909
zh-chs\ImmdsrvRes.dll	Resources for Immd server	7.0.3471.909
zh-chs\ImpExpRes.dll	Resources for Import export application	7.0.3471.909
zh-chs\InEditorRes.dll	Resources for Instrument Editor application	7.0.3471.909
zh-chs\InstrumentServerRes.dll	Resources for Instrument Server application	7.0.3471.909
zh-chs\ManTuneRes.dll	Resources for Manual Tune application	7.0.3471.909
zh-chs\Mil0Res.dll	Resources for Mil0	7.0.3471.909
zh-chs\MilresRes.dll	General resources	7.0.3471.909
zh-chs\MilTkRes.dll	Toolkit resources	7.0.3471.909
zh-chs\msdiagRes.dll	Resources for the msDialog	7.0.3471.909

File name	Description	File Version
zh-chs\msEditorRes.dll	Resources for the MS Editor application	7.0.3471.909
zh-chs\MsgCenterRes.dll	Resources for the Message Center application	7.0.3471.909
zh-chs\MtkCtrlRes.dll	Resources for the Toolkit Control	7.0.3471.909
zh-chs\Open Access Res.dll	Resources for the Open Access application	7.0.3471.909
zh-chs\optIntRes.dll	Resources for the OptInt application	7.0.3471.909
zh-chs\OqRes.dll	Qualification resources	7.0.3471.909
zh-chs\PdcalibRes.dll	Resources for the PDA calibration application	7.0.3471.909
zh-chs\pdadiagRes.dll	General resources	7.0.3471.909
zh-chs\pmeditorRes.dll	Toolkit resources	7.0.3471.909
zh-chs\ProcMonRes.dll	Resources for the Processing Monitor application	7.0.3471.909
zh-chs\ProcSrvRes.dll	Resources for the Processing Server application	7.0.3471.909
zh-chs\ProjectRes.dll	Project resources	7.0.3471.909
zh-chs\QuicksetRes.dll	Quickset resources	7.0.3471.909
zh-chs\QuickStartRes.dll	QuickStart resources	7.0.3471.909
zh-chs\Report PublisherRes.dll	Resources for the Report Publisher application	7.0.3471.909
zh-chs\restoreDBRes.dll	General resources	7.0.3471.909
zh-chs\ReviewRes.dll	Resources for the Review application	7.0.3471.909
zh-chs\RPTViewerRes.dll	Resources for the Report Viewer application	7.0.3471.909
zh-chs\SetArchDatabaseRes.dll	Resources for the Set Archive Database application	7.0.3471.909
zh-chs\SetEmailDatabaseRes.dll	Resources for the Set Email Database application	7.0.3471.909
zh-chs\SSEditorRes.dll	Resources for the Sample Set Editor application	7.0.3471.909
zh-chs\SysmonRes.dll	System Monitor resources	7.0.3471.909
zh-chs\update2487Res.dll	General resources	7.0.3471.909

File name	Description	File Version
zh-chs\ValidationManagerRes.dll	Validation Manager resources	7.0.3471.909
zh-chs\ValidationReviewRes.dll	Validation Review resources	7.0.3471.909
zh-chs\VerifyOptRes.dll	Verify Opt resources	7.0.3471.909
zh-chs\WatersEmailServiceRes.dll	Waters Email Service resources	7.0.3471.909
zh-chs\Waters.Empower. AnalyticsViewer.resources.dll	Waters Analytics Viewer resources	7.0.3471.909
zh-chs\Waters.Licensing. Wizard.resources.dll	Waters Licensing Wizard resources	7.0.3471.901

Test configurations

This application update was tested on the following system configurations.

Windows database server

Windows Server 2008 R2 SP1 64-bit, Enterprise Edition

Windows Hotfixes:

KB981391, KB981392, KB977236, KB981111, KB977238, KB2849697, KB2849696, KB2841134, KB977239, KB2670838, KB2830477, KB2592687, KB981390, KB2305420, KB2386667, KB2393802, KB2425227, KB2446710, KB2475792, KB2479628, KB2479943, KB2484033, KB2485376, KB2488113, KB2492386, KB2497640, KB2503658, KB2503665, KB2505438, KB2506014, KB2506212, KB2506223, KB2506928, KB2507618, KB2508272, KB2508429, KB2509553, KB2510531, KB2511250, KB2511455, KB2515325, KB2518869, KB2522422, KB2524375, KB2529073, KB2533552, KB2534366, KB2536275, KB2536276, KB2539635, KB2541014, KB2544893, KB2545698, KB2547666, KB2552343, KB2556532, KB2560656, KB2563227, KB2564958, KB2567680, KB2570947, KB2572077, KB2574819, KB2584146, KB2585542, KB2588516, KB2603229, KB2604115, KB2607047, KB2608658, KB2618444, KB2618451, KB2620704, KB2620712, KB2621440, KB2631813, KB2633873, KB2633952, KB2636573, KB2639417, KB2640148, KB2641690, KB2643719, KB2644615, KB2645640, KB2647516, KB2647753, KB2653956, KB2654428, KB2655992, KB2656356, KB2656373, KB2658846, KB2659262, KB2660075, KB2660465, KB2660649, KB2667402, KB2676562, KB2677070, KB2679255, KB2685811, KB2685813, KB2685939, KB2686831, KB2688338, KB2690533, KB2691442, KB2695962, KB2698365, KB2699779, KB2699988, KB2705219, KB2709162, KB2709630, KB2709715, KB2709981, KB2712808, KB2718523, KB2718704, KB2719857, KB2719985, KB2726535, KB2727528, KB2729094, KB2729452, KB2732059, KB2742599, KB2743555, KB2750841, KB2753842, KB2757638, KB2758857,

KB2761217, KB2763523, KB2765809, KB2770660, KB2785220, KB2786081, KB2786400, KB2789645, KB2791765, KB2798162, KB2800095, KB2803821, KB2804579, KB2807986, KB2808679, KB2813347, KB2813430, KB2820197, KB2820331, KB2830290, KB2833946, KB2834140, KB2834886, KB2835361, KB2835364, KB2836502, KB2836943, KB2839894, KB2840149, KB2843630, KB2844286, KB2845187, KB2846960, KB2847077, KB2847311, KB2847927, KB2849470, KB2852386, KB2853952, KB2857650, KB2861855, KB2862152, KB2862330, KB2862335, KB2862966, KB2862973, KB2863058, KB2863240, KB2864058, KB2864202, KB2868038, KB2868116, KB2868623, KB2868626, KB2868725, KB2871997, KB2872339, KB2875783, KB2876284, KB2876315, KB2876331, KB2882822, KB2884256, KB2887069, KB2888049, KB2891804, KB2892074, KB2893294, KB2893519, KB2893984, KB2894844, KB2898785, KB2898857, KB2900986, KB2901112, KB2904266, KB2908783, KB2909210, KB2911501, KB2912390, KB2913152, KB2913431, KB2913602, KB2916036, KB2918614, KB2919469, KB2922229, KB2923545, KB2925418, KB2926765, KB2928562, KB2929437, KB2929733, KB2929755, KB2929961, KB2930275, KB2931356, KB2937610, KB2939576, KB2957189, KB2957503, KB2957509, KB2957689, KB2961072, KB2961851, KB2966583, KB2968294, KB2970228, KB2971850, KB2972100, KB2972211, KB2972280, KB2973201, KB2973337, KB2973351, KB2976627, KB2976897, KB2977292, KB2977728, KB2978092, KB2978120, KB2978668, KB2979570, KB2980245, KB2981580, KB2984972, KB2984981, KB2985461, KB2990214, KB2991963, KB2992611, KB2993651, KB2993958, KB2994023, KB2998527, KB3000483, KB3002657, KB3002885, KB3003057, KB3003743, KB3004361, KB3004375, KB3005607, KB3006121, KB3006137, KB3006226, KB3006625, KB3008627, KB3010788, KB3011780, KB3013410, KB3013531, KB3014029, KB3014406, KB3018238, KB3019215, KB3020338, KB3020369, KB3020370, KB3020388, KB3021674, KB3022777, KB3023215, KB3030377, KB3031432, KB3032323, KB3032655, KB3033889, KB3033890, KB3033929, KB3035126, KB3035132, KB3037574, KB3039066, KB3040272, KB3042058, KB3042553, KB3045171, KB3045645, KB3045685, KB3045999, KB3046002, KB3046017, KB3046269, KB3046306, KB3046482, KB3048761, KB3050265, KB3054205, KB3054476, KB3055642, KB3057154, KB3057839, KB3058515, KB3059317, KB3060716, KB3061518, KB3063858, KB3064209, KB3067903, KB3068457, KB3068708, KB3069392, KB3071756, KB3072595, KB3072630, KB3072633, KB3074543, KB3075226, KB3075249, KB3075851, KB3076895, KB3076949, KB3077715, KB3078071, KB3078601, KB3078667, KB3079757, KB3080149, KB3080446, KB3081320, KB3084135, KB3086255, KB3087039, KB3087985, KB3092601, KB3097966, KB3097989, KB3100213, KB3100773, KB3101246, KB3101722, KB3101746, KB3102810, KB958488, KB976902, KB976932, KB982018.

Windows Server 2008 R2 SP1 64-bit, Standard Edition

Windows Hotfixes:

KB981391, KB981392, KB977236, KB981111, KB977238, 982861, KB977239, KB2670838, KB2830477, KB2592687, KB981390, KB2386667, KB2425227, KB2446710, KB2479943, KB2484033, KB2488113, KB2492386, KB2497640, KB2503658, KB2503665, KB2505438, KB2506014, KB2506212, KB2506223, KB2506928, KB2507618, KB2508272, KB2508429, KB2509553, KB2510531, KB2511250, KB2511455, KB2515325, KB2518869, KB2522422, KB2524375, KB2529073, KB2533552, KB2534366, KB2536275, KB2536276, KB2539635, KB2541014, KB2544893, KB2545698, KB2547666, KB2552343, KB2556532, KB2560656,

KB2563227, KB2564958, KB2567680, KB2570947, KB2572077, KB2574819, KB2584146, KB2585542, KB2588516, KB2603229, KB2604115, KB2607047, KB2608658, KB2618444, KB2618451, KB2620704, KB2620712, KB2621440, KB2631813, KB2633873, KB2633952, KB2636573, KB2639308, KB2639417, KB2640148, KB2641653, KB2641690, KB2643719, KB2644615, KB2645640, KB2647516, KB2647518, KB2647753, KB2653956, KB2654428, KB2655992, KB2656356, KB2656373, KB2658846, KB2659262, KB2660075, KB2660649, KB2661254, KB2665364, KB2667402, KB2675157, KB2676562, KB2679255, KB2685811, KB2685813, KB2685939, KB2686831, KB2688338, KB2690533, KB2691442, KB2695962, KB2698365, KB2699779, KB2705219, KB2709630, KB2709981, KB2712808, KB2718704, KB2719857, KB2719985, KB2724197, KB2726535, KB2727528, KB2729094, KB2729452, KB2731771, KB2731847, KB2732059, KB2735855, KB2736233, KB2739159, KB2741355, KB2742599, KB2743555, KB2744842, KB2749655, KB2750841, KB2753842, KB2756822, KB2757638, KB2758857, KB2761217, KB2761465, KB2762895, KB2763523, KB2765809, KB2769369, KB2770660, KB2778344, KB2778930, KB2779562, KB2785220, KB2786081, KB2786400, KB2789645, KB2790113, KB2790655, KB2791765, KB2797052, KB2798162, KB2799494, KB2800095, KB2803821, KB2804579, KB2807986, KB2808679, KB2809289, KB2813170, KB2813347, KB2813430, KB2820197, KB2820331, KB2829361, KB2829530, KB2830290, KB2833946, KB2834140, KB2834886, KB2835361, KB2835364, KB2836502, KB2836943, KB2839894, KB2840149, KB2843630, KB2844286, KB2845187, KB2846960, KB2847077, KB2847204, KB2847311, KB2847927, KB2849470, KB2852386, KB2853952, KB2857650, KB2861855, KB2862152, KB2862330, KB2862335, KB2862966, KB2862973, KB2863058, KB2863240, KB2864058, KB2864202, KB2868038, KB2868116, KB2868623, KB2868626, KB2868725, KB2870699, KB2871997, KB2872339, KB2875783, KB2876284, KB2876315, KB2876331, KB2882822, KB2883150, KB2884256, KB2887069, KB2888049, KB2888505, KB2891804, KB2892074, KB2893294, KB2893519, KB2893984, KB2894844, KB2898785, KB2898857, KB2900986, KB2901112, KB2904266, KB2908783, KB2909921, KB2911501, KB2912390, KB2913152, KB2913431, KB2913602, KB2916036, KB2918614, KB2919469, KB2922229, KB2923545, KB2925418, KB2926765, KB2928562, KB2929733, KB2929755, KB2929961, KB2930275, KB2931356, KB2936068, KB2937610, KB2939576, KB2953522, KB2957189, KB2957503, KB2957509, KB2957689, KB2961072, KB2966583, KB2968294, KB2970228, KB2971850, KB2972100, KB2972211, KB2972280, KB2973201, KB2973337, KB2973351, KB2976627, KB2976897, KB2977292, KB2977728, KB2978092, KB2978120, KB2978668, KB2979570, KB2980245, KB2981580, KB2984972, KB2984981, KB2985461, KB2990214, KB2991963, KB2992611, KB2993651, KB2993958, KB2994023, KB2998527, KB3000483, KB3002657, KB3002885, KB3003057, KB3003743, KB3004361, KB3004375, KB3004394, KB3005607, KB3006121, KB3006137, KB3006226, KB3006625, KB3008627, KB3008923, KB3009736, KB3010788, KB3011780, KB3013126, KB3013410, KB3013455, KB3013531, KB3014029, KB3014406, KB3018238, KB3019215, KB3020338, KB3020369, KB3020370, KB3020388, KB3021674, KB3021952, KB3022345, KB3022777, KB3023215, KB3023562, KB3029944, KB3030377, KB3031432, KB3032323, KB3032359, KB3032655, KB3033889, KB3033890, KB3033929, KB3034196, KB3034344, KB3035126, KB3035131, KB3035132, KB3037574, KB3038314, KB3039066, KB3040272, KB3042058, KB3042553, KB3045171, KB3045645, KB3045685, KB3045999, KB3046002, KB3046017, KB3046049, KB3046269, KB3046306, KB3046482, KB3048761, KB3049563, KB3050265, KB3051768, KB3054205, KB3054476, KB3055642, KB3057154, KB3057839, KB3058515, KB3059317, KB3060716, KB3061518, KB3063858, KB3064209, KB3065822, KB3065979,

KB3065987, KB3067505, KB3067903, KB3068457, KB3068708, KB3069114, KB3069392, KB3070102, KB3070738, KB3071756, KB3072595, KB3072630, KB3072633, KB3074543, KB3074886, KB3075226, KB3076895, KB3076949, KB3077657, KB3077715, KB3078601, KB3079757, KB3080446, KB3081320, KB3083324, KB3083992, KB3084135, KB3086255, KB3087038, KB3087039, KB3092601, KB3097966, KB3097989, KB3100213, KB3100773, KB3101246, KB3101722, KB3101746, KB3102810, KB3108371, KB3108381, KB3108664, KB3108670, KB3109094, KB3109103, KB3109560, KB3110329, KB3112343, KB3121212, KB3121918, KB3123479, KB3124000, KB3124001, KB3124275, KB976902, KB976932, KB982018.

Windows Server 2012 R2 64-bit, Standard Edition

Windows Hotfixes:

KB2868626, KB2883200, KB2887595, KB2894852, KB2894856, KB2896496, KB2900986, KB2903939, KB2911106, KB2919355, KB2919394, KB2919442, KB2920189, KB2928680, KB2934520, KB2938066, KB2954879, KB2955164, KB2959626, KB2962409, KB2962806, KB2965500, KB2966826, KB2966828, KB2967917, KB2968296, KB2971203, KB2972103, KB2972213, KB2973114, KB2973351, KB2973448, KB2975061, KB2975719, KB2976627, KB2977765, KB2978041, KB2978122, KB2978126, KB2984006, KB2989930, KB2993100, KB2995004, KB2995388, KB2996799, KB2998174, KB2999226, KB3000483, KB3000850, KB3003057, KB3004361, KB3004365, KB3004394, KB3004545, KB3006137, KB3012199, KB3012235, KB3012702, KB3013172, KB3013531, KB3013538, KB3013769, KB3013791, KB3013816, KB3014029, KB3014442, KB3015696, KB3018133, KB3018467, KB3019215, KB3019978, KB3020338, KB3021910, KB3021952, KB3022777, KB3023219, KB3023222, KB3023266, KB3024751, KB3024755, KB3029603, KB3030377, KB3030947, KB3032359, KB3032663, KB3033446, KB3034348, KB3035017, KB3035126, KB3035132, KB3035487, KB3035527, KB3036612, KB3037576, KB3037579, KB3037924, KB3038002, KB3038562, KB3041857, KB3042058, KB3042085, KB3042553, KB3043812, KB3044374, KB3044673, KB3045634, KB3045685, KB3045717, KB3045719, KB3045755, KB3045992, KB3045999, KB3046017, KB3046359, KB3046737, KB3047255, KB3048043, KB3048778, KB3049989, KB3050267, KB3054169, KB3054203, KB3054256, KB3054464, KB3055323, KB3055343, KB3055642, KB3058168, KB3058515, KB3059316, KB3059317, KB3060383, KB3060681, KB3060716, KB3060746, KB3060793, KB3061512, KB3063843, KB3064209, KB3065013, KB3065822, KB3065988, KB3066441, KB3067505, KB3068457, KB3068708, KB3069114, KB3071663, KB3071756, KB3072307, KB3072595, KB3072630, KB3072633, KB3073874, KB3074228, KB3074545, KB3074548, KB3075220, KB3075249, KB3076949, KB3077715, KB3078405, KB3078601, KB3078676, KB3080042, KB3080149, KB3080446, KB3081320, KB3082089, KB3083325, KB3083711, KB3083992, KB3084135, KB3084905, KB3086255, KB3087038, KB3087039, KB3087040, KB3087041, KB3087088, KB3087137, KB3087390, KB3087418, KB3087916, KB3088195, KB3089023, KB3091297, KB3092601, KB3092627, KB3093983, KB3094486, KB3095701, KB3096433, KB3097877, KB3097966, KB3097992, KB3097997, KB3098779, KB3100773, KB3101246, KB3101746, KB3102812, KB3102939, KB3103688, KB3105216, KB3107998

Solaris database server

Oracle Solaris 10 1/13 s10x_u11wos_24a X86

Packages:

BRCMbnx, BRCMbnxe, CADP160, CPQary3, HPFC, NCRos86r, NVDAgraphics, NVDAgraphicsr, SK98sol, SKfp, SUNW1251f, SUNW1394, SUNW1394h, SUNW5xmf, SUNWGlib, SUNWGtkr, SUNWGtku, SUNWPython, SUNWPython-devel, SUNWPython-share, SUNWPython-sqlite, SUNWTcl, SUNWTiff, SUNWTiff-devel, SUNWTiff-devel-share, SUNWTK, SUNWa2psr, SUNWa2psu, SUNWaac, SUNWaccr, SUNWaccu, SUNWad810, SUNWadixp, SUNWadmap, SUNWadmc, SUNWadmfr, SUNWadmfw, SUNWadmj, SUNWadmlib-sysid, SUNWadmr, SUNWadp, SUNWadpu320, SUNWagp, SUNWagph, SUNWahci, SUNWamd8111s, SUNWamr, SUNWant, SUNWapbas, SUNWapch2d, SUNWapch2r, SUNWapch2u, SUNWapchd, SUNWapchr, SUNWapchu, SUNWapcj, SUNWapct, SUNWapdc, SUNWapdc-root, SUNWapmsc, SUNWapoc, SUNWapoc-adapter-gconf, SUNWarbel, SUNWarc, SUNWarcr, SUNWarrf, SUNWaspell, SUNWaspell-devel, SUNWaspell-en, SUNWaspell-en-share, SUNWaspell-share, SUNWast, SUNWatfsr, SUNWatfsu, SUNWauda, SUNWaudd, SUNWaudf, SUNWaudh, SUNWaudiohd, SUNWaudit, ion, SUNWautoef, SUNWav1394, SUNWbart, SUNWbash, SUNWbcmsata, ion, SUNWbdb, ion, SUNWbdbj, SUNWbind, SUNWbindr, SUNWbinutils, SUNWbip, SUNWbipr, SUNWbison, SUNWbnur, SUNWbnuu, SUNWbsr, SUNWbsu, SUNWbtool, SUNWbzip, ion, SUNWcacaodtrace, ion, SUNWcacaort, SUNWcadp, SUNWcakr, SUNWcar, SUNWcccf, SUNWcccr, SUNWcccr, SUNWccf, SUNWccfw, SUNWccfwctrl, SUNWccinv, SUNWccsign, SUNWccpx, SUNWcdrw, SUNWcea, SUNWced, SUNWcedu, SUNWcfcl, SUNWcfclr, SUNWcfpl, SUNWcfplr, SUNWchxge, SUNWciu8, SUNWckr, SUNWcnetr, SUNWcnsr, SUNWcnsu, SUNWcpc, SUNWcpcu, SUNWcpp, SUNWcqhcp, SUNWcrman, SUNWcry, SUNWcryr, SUNWcsd, SUNWcsl, SUNWcslr, SUNWcsmath, SUNWcsr, SUNWcstl, SUNWcsu, SUNWctlu, SUNWctpls, SUNWcxmf, SUNWdbus-bindings-priv, SUNWdbus-bindings-priv-devel, SUNWdbus-priv, SUNWdbus-priv-devel, SUNWdbus-priv-libs, SUNWdcf, SUNWdcar, SUNWdclnt, SUNWdefault-java, SUNWdfb, SUNWdfbh, SUNWdhcm, SUNWdhcsb, SUNWdhcsr, SUNWdhcsu, SUNWdmgr, SUNWdmgtu, SUNWdoc, SUNWdpl, SUNWdtab, SUNWdtbas, SUNWdtcor, SUNWdtct, SUNWdtedm, SUNWdtdmn, SUNWdtdmr, SUNWdtdst, SUNWdtdte, SUNWdtezt, SUNWdthe, SUNWdthed, SUNWdthev, SUNWdthez, SUNWdticn, SUNWdtim, SUNWdtinc, SUNWdtjxt, SUNWdtlog, SUNWdtma, SUNWdtmad, SUNWdtmaz, SUNWdtrc, SUNWdtrp, SUNWdtscm, SUNWdtshelp, SUNWdttsr, SUNWdttsu, SUNWdtwm, SUNWdvdrw, SUNWemlxs, SUNWemlxu, SUNWeoib, SUNWesu, SUNWeuodf, SUNWeurf, SUNWeuxwe, SUNWevince, SUNWevince-devel, SUNWevince-root, SUNWevolution, SUNWevolution-devel, SUNWevolution-devel-share, SUNWevolution-exchange, SUNWevolution-exchange-root, SUNWevolution-exchange-share, SUNWevolution-libs, SUNWevolution-libs-devel, SUNWevolution-libs-share, SUNWevolution-root, SUNWevolution-share, SUNWevolution-socs-connect, SUNWevolution-socs-connect-share, SUNWfac, SUNWfchba, SUNWfchbar, SUNWfcip, SUNWfcmdb, SUNWfcp, SUNWfcprt, SUNWfcsu, SUNWfctl, SUNWfdl, SUNWffiltersr, SUNWffiltersu, SUNWfipe, SUNWfirefox, SUNWfirefox-apoc-adapter, SUNWfirefox-devel, SUNWflexlex, SUNWflexruntime, SUNWfmd, SUNWfmdr, SUNWfontconfig, SUNWfontconfig-docs, SUNWfontconfig-root, SUNWfpdp,

SUNWfreetype2, S, , , SUNWfsexam, S, , , SUNWfsexam-root, SUNWfsmgr, SUNWfsmgtu, SUNWfss, SUNWftdur, SUNWftduu, SUNWftpr, SUNWftpu, SUNWfwdc, SUNWfwdcu, SUNWfwflash, SUNWgcc, SUNWgccruntime, SUNWgcmn, SUNWggrp, SUNWgimpprint, SUNWglow, SUNWglt, SUNWgm4, SUNWgmake, SUNWgnome-a11y-base-devel, SUNWgnome-a11y-base-devel-share, SUNWgnome-a11y-base-libs, SUNWgnome-a11y-gok, SUNWgnome-a11y-gok-root, SUNWgnome-a11y-gok-share, SUNWgnome-a11y-libs, SUNWgnome-a11y-libs-devel, SUNWgnome-a11y-libs-devel-share, SUNWgnome-a11y-libs-share, SUNWgnome-a11y-poke, SUNWgnome-a11y-poke-share, SUNWgnome-a11y-reader, SUNWgnome-a11y-reader-devel, SUNWgnome-a11y-reader-root, SUNWgnome-a11y-reader-share, SUNWgnome-a11y-speech, SUNWgnome-a11y-speech-devel, SUNWgnome-a11y-speech-share, SUNWgnome-archive-mgr, SUNWgnome-archive-mgr-root, SUNWgnome-archive-mgr-share, SUNWgnome-audio, SUNWgnome-audio-devel, SUNWgnome-audio-devel-share, SUNWgnome-audio-root, SUNWgnome-audio-share, SUNWgnome-base-libs, SUNWgnome-base-libs-devel, SUNWgnome-base-libs-devel-share, SUNWgnome-base-libs-priv, SUNWgnome-base-libs-priv-devel, SUNWgnome-base-libs-priv-l10n, SUNWgnome-base-libs-root, SUNWgnome-base-libs-share, SUNWgnome-calculator, SUNWgnome-calculator-root, SUNWgnome-calculator-share, SUNWgnome-camera, SUNWgnome-camera-devel, SUNWgnome-camera-share, SUNWgnome-cd, SUNWgnome-cd-burner, SUNWgnome-cd-burner-root, SUNWgnome-cd-burner-share, SUNWgnome-cd-root, SUNWgnome-cd-share, SUNWgnome-character-map, SUNWgnome-character-map-share, SUNWgnome-common-devel, SUNWgnome-common-devel-priv, SUNWgnome-common-devel-share, SUNWgnome-component, SUNWgnome-component-devel, SUNWgnome-component-devel-share, SUNWgnome-component-root, SUNWgnome-config, SUNWgnome-config-devel, SUNWgnome-config-devel-share, SUNWgnome-config-editor, SUNWgnome-config-editor-share, SUNWgnome-config-root, SUNWgnome-config-share, SUNWgnome-desktop-prefs, SUNWgnome-desktop-prefs-devel, SUNWgnome-desktop-prefs-root, SUNWgnome-desktop-prefs-share, SUNWgnome-dialog, SUNWgnome-dialog-share, SUNWgnome-dictionary, SUNWgnome-dictionary-root, SUNWgnome-dictionary-share, SUNWgnome-display-mgr, SUNWgnome-display-mgr-root, SUNWgnome-display-mgr-share, SUNWgnome-dtlogin-integration, SUNWgnome-file-mgr, SUNWgnome-file-mgr-devel, SUNWgnome-file-mgr-root, SUNWgnome-file-mgr-share, SUNWgnome-fonts, SUNWgnome-freedb-libs, SUNWgnome-freedb-libs-root, SUNWgnome-freedb-libs-share, SUNWgnome-fun-applets, SUNWgnome-fun-applets-root, SUNWgnome-fun-applets-share, SUNWgnome-games, SUNWgnome-games-root, SUNWgnome-games-share, SUNWgnome-help-viewer, SUNWgnome-help-viewer-share, SUNWgnome-hex-editor, SUNWgnome-hex-editor-devel, SUNWgnome-hex-editor-root, SUNWgnome-hex-editor-share, SUNWgnome-im-client, SUNWgnome-im-client-devel, SUNWgnome-im-client-root, SUNWgnome-img-editor, SUNWgnome-img-editor-devel, SUNWgnome-img-editor-devel-share, SUNWgnome-img-editor-root, SUNWgnome-img-editor-share, SUNWgnome-img-viewer, SUNWgnome-img-viewer-root, SUNWgnome-img-viewer-share, SUNWgnome-internet-applets, SUNWgnome-internet-applets-root, SUNWgnome-internet-applets-share, SUNWgnome-intranet-applets, SUNWgnome-intranet-applets-root, SUNWgnome-intranet-applets-share, SUNWgnome-jdshelp, SUNWgnome-jdshelp-share, SUNWgnome-libs, SUNWgnome-libs-devel, SUNWgnome-libs-devel-share, SUNWgnome-libs-root, SUNWgnome-libs-share, SUNWgnome-media, SUNWgnome-media-devel, SUNWgnome-media-devel-share, SUNWgnome-media-player, SUNWgnome-media-player-root, SUNWgnome-media-player-share, SUNWgnome-media-root, SUNWgnome-media-share, SUNWgnome-mm-applets, SUNWgnome-mm-applets-root,

SUNWgnome-mm-applets-share, SUNWgnome-panel, SUNWgnome-panel-devel, SUNWgnome-panel-devel-share, SUNWgnome-panel-root, SUNWgnome-panel-share, SUNWgnome-pdf-viewer, SUNWgnome-pdf-viewer-root, SUNWgnome-pdf-viewer-share, SUNWgnome-perf-meter, SUNWgnome-perf-meter-root, SUNWgnome-perf-meter-share, SUNWgnome-pilot, SUNWgnome-pilot-devel, SUNWgnome-pilot-devel-share, SUNWgnome-pilot-root, SUNWgnome-pilot-share, SUNWgnome-print, SUNWgnome-print-devel, SUNWgnome-print-devel-share, SUNWgnome-print-root, SUNWgnome-print-share, SUNWgnome-project, SUNWgnome-project-devel, SUNWgnome-project-devel-share, SUNWgnome-project-share, SUNWgnome-ps-viewer, SUNWgnome-ps-viewer-root, SUNWgnome-ps-viewer-share, SUNWgnome-removable-media, SUNWgnome-removable-media-share, SUNWgnome-search-tool, SUNWgnome-search-tool-root, SUNWgnome-search-tool-share, SUNWgnome-session, SUNWgnome-session-root, SUNWgnome-session-share, SUNWgnome-sound-recorder, SUNWgnome-sound-recorder-root, SUNWgnome-sound-recorder-share, SUNWgnome-spell, SUNWgnome-spell-share, SUNWgnome-sys-suspend, SUNWgnome-sys-suspend-share, SUNWgnome-terminal, SUNWgnome-terminal-devel, SUNWgnome-terminal-devel-share, SUNWgnome-terminal-root, SUNWgnome-terminal-share, SUNWgnome-text-editor, SUNWgnome-text-editor-devel, SUNWgnome-text-editor-root, SUNWgnome-text-editor-share, SUNWgnome-themes, SUNWgnome-themes-share, SUNWgnome-ui-designer, SUNWgnome-ui-designer-share, SUNWgnome-user-docs, SUNWgnome-utility-applets, SUNWgnome-utility-applets-root, SUNWgnome-utility-applets-share, SUNWgnome-vfs, SUNWgnome-vfs-devel, SUNWgnome-vfs-devel-share, SUNWgnome-vfs-root, SUNWgnome-vfs-share, SUNWgnome-wm, SUNWgnome-wm-devel, SUNWgnome-wm-root, SUNWgnome-wm-share, SUNWgnome-xml-root, SUNWgnome-xml-share, SUNWgnu-gettext, SUNWgnu-idn, SUNWgnutls, SUNWgnutls-devel, SUNWgpch, SUNWgrub, SUNWgscr, SUNWgsfot, SUNWgsfst, SUNWgss, SUNWgssc, SUNWgssdh, SUNWgssk, SUNWgtar, SUNWgzip, SUNWhea, SUNWhermon, SUNWhiu8, SUNWhpijs, SUNWhxge, SUNWi13rf, SUNWi15cs, SUNWi15rf, SUNWi1cs, SUNWi1of, SUNWi2rf, SUNWi4rf, SUNWi5rf, SUNWi7rf, SUNWi8rf, SUNWi9rf, SUNWib, SUNWibsdp, SUNWibsdpib, SUNWibsdpu, SUNWicu, SUNWicud, SUNWidnd, SUNWidnl, SUNWidnu, SUNWigb, SUNWimagick, SUNWimraidsas, SUNWiniu8, SUNWinst, SUNWinstall-patch-utils-root, SUNWintgige, SUNWio-tools, SUNWipc, SUNWipfh, SUNWipfr, SUNWipfu, SUNWipmi, SUNWipmir, SUNWipoib, SUNWippcore, SUNWipplr, SUNWipplu, SUNWiscsir, SUNWiscsitgr, SUNWiscsitgtu, SUNWiscsiu, SUNWislcc, SUNWisolc, SUNWixgb, SUNWixgbe, SUNWj3cfg, SUNWj3dev, SUNWj3dmo, SUNWj3irt, SUNWj3man, SUNWj3rt, SUNWj5cfg, SUNWj5dev, SUNWj5dmo, SUNWj5dmx, SUNWj5dvx, SUNWj5man, SUNWj5rt, SUNWj5rtx, SUNWj6cfg, SUNWj6dev, SUNWj6dmo, SUNWj6dmx, SUNWj6dvx, SUNWj6man, SUNWj6rt, SUNWj6rtx, SUNWjai, SUNWjai-imageio, SUNWjato, SUNWjatodmo, SUNWjatodoc, SUNWjavaapps, SUNWjdic, ion, SUNWjdmk-base, SUNWjds-registration, SUNWjdsmr, SUNWjdsver, ion, SUNWjhdm, ion, SUNWjhdev, ion, SUNWjhdoc, ion, SUNWjhrt, SUNWjiu8, SUNWjmf, SUNWjmfmp3, SUNWjpg, SUNWjpg-devel, SUNWjpg-devel-share, SUNWjre-config, SUNWjre-config-plugin, SUNWjsnmp, SUNWjss, SUNWjxmft, SUNWkdcr, SUNWkdcu, SUNWkey, SUNWkiu8, SUNWkoi8f, SUNWkrbr, SUNWkrbu, SUNWkvm, SUNWkxmft, SUNWladm, SUNWlccom, SUNWlcl, SUNWless, SUNWlexpt, SUNWlibC, SUNWlibCf, SUNWlibexif, SUNWlibexif-devel, SUNWlibcrypt, SUNWlibcrypt-devel, SUNWlibm, SUNWlibmr, SUNWlibms, SUNWlibmsr, SUNWlibpopt, SUNWlibpopt-devel, SUNWlibpopt-devel-share, SUNWlibsasl, SUNWlibstdcxx4, SUNWlibusb, SUNWlibusbgen, SUNWllc, SUNWllcr, SUNWlldap, SUNWloc, SUNWlocalecreator, SUNWlpmmsg, SUNWlsimega, ion, SUNWlucfg, ion,

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SUNWrsm, SUNWrsmo, SUNWrsync, SUNWrtls, SUNWsacom, SUNWsadmi, SUNWsadml, ion, SUNWsam, ion, SUNWsamr, SUNWsasnm, SUNWsbp2, SUNWscgui, SUNWscn-base, SUNWscn-base-r, ion, SUNWscnprm, ion, SUNWscnprmr, SUNWscnsom, SUNWscnsomr, SUNWscplp, SUNWscpr, SUNWscpu, SUNWscsa1394, SUNWscsip, SUNWscusas, ion, SUNWsensor, ion, SUNWsensorr, SUNWserr, SUNWseru, SUNWservicetagr, SUNWservicetagu, SUNWserweb, SUNWses, SUNWsfdoc, SUNWsfinf, SUNWsfman, SUNWsfwdemo, SUNWsfwhea, SUNWsi3124, SUNWslpr, SUNWslpu, SUNWsmagt, SUNWsmapi, SUNWsmbac, SUNWsmbar, SUNWsmbau, SUNWsmcmd, SUNWsmdoc, SUNWsmmgr, SUNWsmpd, SUNWsndmr, SUNWsndmu, SUNWsolnm, SUNWspl, SUNWspnego, SUNWsprot, SUNWsqlite3, SUNWsqlite3-devel, SUNWsqlite3docs, SUNWsra, SUNWsrh, SUNWsshcu, SUNWsshdr, SUNWsshdu, SUNWsshr, SUNWsshu, SUNWstosreg, SUNWstsf, SUNWstsf, SUNWswmt, ion, SUNWswupcl, ion, SUNWswupclr, SUNWsxge, SUNWtavor, SUNWtatr, SUNWtatu, SUNWtcpd, SUNWtcsh, SUNWtecla, SUNWter, SUNWtexi, SUNWtftp, SUNWtftpr, SUNWtgnome-docs, SUNWtgnome-tsol-libs, SUNWtgnome-tsol-libs-devel, SUNWtgnome-tsoljdsdevmgr, SUNWtgnome-tsoljdslabel, SUNWtgnome-tsoljdsselfmgr, SUNWtgnome-tstripe, SUNWtgnome-xagent, IRD, SUNWthunderbird, IRD, SUNWthunderbird-calendar, SUNWtiu8, SUNWtls, SUNWtlsd, SUNWtisu, SUNWtitk, SUNWtitkd, SUNWtitkm, SUNWtnamd, SUNWtnamr, SUNWtnetc, SUNWtnetd, SUNWtnetr, SUNWtnfc, SUNWtnfd, SUNWtoo, SUNWtsg, ion, SUNWtsmc, SUNWtsr, SUNWtsu, SUNWtxfnt, SUNWuacm, SUNWucbt, SUNWudapl, SUNWudapltr, SUNWudapltu, SUNWudaplu, SUNWudf, SUNWudfr, SUNWuecm, SUNWuedg, SUNWugen, SUNWugenu, SUNWuiu8, SUNWuium, SUNWuksp, SUNWukspfw, SUNWulcf, SUNWupdatemgr, SUNWupdatemgru, SUNWuprl, SUNWusb, SUNWusbccid, SUNWusbs, SUNWusbu, SUNWuxlcf, SUNWvia823x, SUNWvid, SUNWvidu, SUNWvncviewer, SUNWvolr, SUNWvolu, SUNWvts, SUNWvtsmn, SUNWvtstr, SUNWvtss, SUNWvtsts, ion, SUNWwbapi, SUNWwbcor, SUNWwbcou, ion, SUNWwbdev, ion, SUNWwbdoc, ion, SUNWwbmc, SUNWwbpro, SUNWwbsup, SUNWwebminr, SUNWwebminu, SUNWwgetr, SUNWwgetu, SUNWwsr2, SUNWwsrv, SUNWwxwidgets, SUNWwxwidgets-devel, SUNWxcu4, SUNWxcu4t, SUNWxcu6, SUNWxcursor-themes, SUNWxf86, SUNWxge, SUNWxi18n, ion, SUNWxildh, ion, SUNWxilh, ion, SUNWxilow, ion, SUNWxilr, SUNWxim, SUNWxorg-cfg, SUNWxorg-client-docs, SUNWxorg-client-programs, SUNWxorg-clientlibs, SUNWxorg-compatlinks, SUNWxorg-devel-docs, SUNWxorg-doc, SUNWxorg-graphics-ddx, SUNWxorg-headers, SUNWxorg-mesa, SUNWxorg-server, SUNWxorg-tsol-module, SUNWxorg-xkb, SUNWxscreensaver-hacks, SUNWxscreensaver-hacks-gl, SUNWxsvc, SUNWxvmpv, SUNWxvnc, SUNWxwacx, SUNWxwcft, SUNWxwcsl, SUNWxwdem, SUNWxwdim, SUNWxwdv, SUNWxwdxm, SUNWxwfa, SUNWxwfnt, SUNWxwfs, SUNWxwhl, SUNWxwice, SUNWxwinc, SUNWxwman, SUNWxwmod, SUNWxwoft, SUNWxwopt, SUNWxwpft, SUNWxwplr, SUNWxwpls, SUNWxwplf, SUNWxwpmn, SUNWxwrtl, SUNWxwscf, SUNWxwslb, SUNWxwsrc, SUNWxwsrv, SUNWxwssu, SUNWxwsvr, SUNWxwts, SUNWxwxt, SUNWxwxst, SUNWypr, SUNWypu, SUNWzebrar, SUNWzebrau, ion, SUNWzfsgr, ion, SUNWzfsgr, SUNWzfskr, SUNWzfsr, SUNWzfsu, SUNWzip, SUNWzlib, SUNWzoner, SUNWzoneu, SUNWzsh, SYMhisl.

RedHat Linux database server

Red Hat Enterprise Linux Server Release 6.2 , Kernel Linux 2.6.32-220.el6.x86_64, Gnome 2.28.2

Packages:

ConsoleKit.x86_64, ConsoleKit-libs.x86_64, ConsoleKit-x11.x86_64, DeviceKit-power.x86_64, GConf2.x86_64, GConf2-gtk.x86_64, MAKEDEV.x86_64, ModemManager.x86_64, NetworkManager.x86_64, NetworkManager-glib.x86_64, NetworkManager-gnome.x86_64, ORBit2.x86_64, PackageKit.x86_64, PackageKit-device-rebind.x86_64, PackageKit-glib.x86_64, PackageKit-gstreamer-plugin.x86_64, PackageKit-gtk-module.x86_64, PackageKit-yum.x86_64, PackageKit-yum-plugin.x86_64, PyXML.x86_64

Citrix Server (XenApp Server 7.6 Enterprise)

Windows Server 2008 R2 SP1 64-bit, Enterprise Edition

Citrix latest Hotfix: ICATS760WX64043

Windows Hotfixes:

KB981391,KB981392,KB977236,KB981111,KB977238,KB977239,KB2670838,KB2830477,KB2592687,KB981390,KB2386667,KB2446710,KB2506014,KB2506212,KB2506928,KB2509553,KB2511455,KB2515325,KB2533552,KB2536275,KB2536276,KB2544893,KB2545698,KB2547666,KB2552343,KB2560656,KB2563227,KB2564958,KB2570947,KB2574819,KB2585542,KB2603229,KB2607047,KB2608658,KB2620704,KB2621440,KB2636573,KB2640148,KB2643719,KB2647753,KB2654428,KB2660075,KB2667402,KB2676562,KB2685811,KB2685813,KB2690533,KB2698365,KB2705219,KB2712808,KB2719857,KB2726535,KB2729094,KB2732059,KB2742599,KB2750841,KB2761217,KB2763523,KB2765809,KB2770660,KB2786081,KB2791765,KB2800095,KB2807986,KB2808679,KB2813347,KB2813430,KB2820331,KB2834140,KB2835361,KB2839894,KB2843630,KB2852386,KB2853952,KB2857650,KB2862152,KB2862330,KB2862335,KB2862973,KB2864058,KB2864202,KB2868038,KB2868116,KB2871997,KB2872339,KB2882822,KB2884256,KB2887069,KB2888049,KB2891804,KB2892074,KB2893294,KB2893519,KB2894844,KB2900986,KB2908783,KB2911501,KB2912390,KB2918614,KB2919469,KB2922229,KB2923545,KB2928562,KB2929733,KB2931356,KB2937610,KB2939576,KB2957189,KB2957503,KB2957509,KB2961072,KB2966583,KB2968294,KB2970228,KB2972100,KB2972211,KB2973201,KB2973351,KB2976897,KB2977292,KB2977728,KB2978092,KB2978120,KB2978668,KB2979570,KB2984972,KB2984981,KB2985461,KB2990214,KB2991963,KB2992611,KB2993651,KB2993958,KB2994023,KB3002657,KB3003743,KB3004361,KB3004375,KB3006137,KB3006625,KB3008627,KB3010788,KB3011780,KB3013410,KB3014029,KB3014406,KB3018238,KB3019978,KB3020338,KB3020369,KB3020370,KB3020388,KB3021674,KB3022777,KB3023215,KB3030377,KB3032323,KB3032655,KB3033889,KB3033929,KB3034344,KB3035126,KB3035132,KB3037574,KB3039066,KB3040272,KB3042553,KB3045171,KB3045645,KB3045685,KB3045999,KB3046049,KB3046269,KB3046306,KB3046482,KB3048761,KB3050265,KB3054205,KB3054476,KB3055642,KB3057839,KB3059317,KB3061518,KB3063858,KB3064209,KB3065979,KB3068708,KB976902,KB982018

Windows Server 2012 R2 64-bit, Standard Edition

Citrix latest Hotfix: ICATS760WX64043

Windows Hotfixes:

KB2868626,KB2883200,KB2887595,KB2900986,KB2903939,KB2911106,KB2919355,KB2919394,KB2920189,KB2928680,KB2934520,KB2938066,KB2954879,KB2961072,KB2961908,KB2962806,KB2967917,KB2973351,KB2975061,KB2977765,KB2978041,KB2978126,KB2979576,KB2989930,KB2998097,KB3000850,KB3002657,KB3003057,KB3004361,KB3004365,KB3004394,KB3004545,KB3006137,KB3012199,KB3012702,KB3013172,KB3013410,KB3013769,KB3013791,KB3013816,KB3014029,KB3014442,KB3018467,KB3019978,KB3020338,KB3021910,KB3022777,KB3023222,KB3023266,KB3024751,KB3024755,KB3029438,KB3029603,KB3029803,KB3030377,KB3030947,KB3032323,KB3032663,KB3033446,KB3034348,KB3035017,KB3035126,KB3035132,KB3035527,KB3035553,KB3036612,KB3037579,KB3037924,KB3038002,KB3038314,KB3038562,KB3041857,KB3042085,KB3042553,KB3043812,KB3044374,KB3044673,KB3045171,KB3045634,KB3045685,KB3045717,KB3045719,KB3045755,KB3045992,KB3045999,KB3046737,KB3047255,KB3048043,KB3048778,KB3049989,KB3050267,KB3050514,KB3054169,KB3054203,KB3054256,KB3054464,KB3055323,KB3055642,KB3057839,KB3058168,KB3058515,KB3059316,KB3059317,KB3060383,KB3060681,KB3060793,KB3061468,KB3061518,KB3063843,KB3064209,KB3068708

Citrix Server (XenApp Server 6.5 Enterprise)

Windows Server 2008 R2 SP1 64-bit, Enterprise Edition

Citrix latest hotfix: XA650W2K8R2X64R04

Windows hotfixes:

KB981391,KB981392,KB977236,KB981111,KB977238,KB2849697,KB2849696,KB2841134,KB977239,KB2670838,KB2830477,KB2592687,KB981390,KB2386667,KB2479943,KB2492386,KB2506014,KB2506212,KB2506928,KB2509553,KB2511455,KB2515325,KB2533552,KB2536275,KB2536276,KB2544893,KB2545698,KB2547666,KB2552343,KB2560656,KB2563227,KB2564958,KB2570947,KB2574819,KB2585542,KB2603229,KB2604115,KB2607047,KB2608658,KB2620704,KB2621440,KB2631813,KB2636573,KB2640148,KB2643719,KB2644615,KB2647753,KB2654428,KB2660075,KB2661254,KB2667402,KB2676562,KB2685811,KB2685813,KB2690533,KB2698365,KB2705219,KB2709630,KB2709981,KB2712808,KB2718704,KB2719033,KB2719857,KB2724197,KB2726535,KB2727528,KB2729094,KB2732059,KB2736422,KB2742599,KB2750841,KB2761217,KB2763523,KB2765809,KB2770660,KB2786081,KB2791765,KB2800095,KB2803821,KB2807986,KB2808679,KB2813347,KB2813430,KB2820331,KB2832414,KB2834140,KB2839894,KB2840631,KB2843630,KB2846960,KB2847077,KB2847311,KB2847927,KB2852386,KB2853952,KB2857650,KB2861191,KB2861698,KB2862152,KB2862330,KB2862335,KB2862966,KB2862973,KB2864058,KB2864202,KB2868038,KB2868116,KB2868626,KB2871997,KB2872339,KB2882822,KB2884256,KB2887069,KB2888049,KB2891804,KB2892074,KB2893294,KB2893519,KB2894844,KB2900986,KB2908783,KB2911501,KB2912390,KB2913152,KB2918614,KB291

9469,KB2922229,KB2923545,KB2928562,KB2929437,KB2929733,KB2929755,KB2931356,KB2937610,KB2939576,KB2943357,KB2957189,KB2957503,KB2957509,KB2961072,KB2966583,KB2968294,KB2971850,KB2972100,KB2972211,KB2972280,KB2973112,KB2973201,KB2973337,KB2973351,KB2976627,KB2976897,KB2977292,KB2977728,KB2978092,KB2978120,KB2978668,KB2979570,KB2980245,KB2984972,KB2985461,KB2987107,KB2991963,KB2992611,KB2993651,KB2994023,KB2998527,KB3000061,KB3000483,KB3000869,KB3000988,KB3003743,KB3004361,KB3004375,KB3005607,KB3006226,KB3010788,KB3011780,KB3014029,KB3018238,KB3019215,KB3020369,KB3020388,KB3021674,KB3022777,KB3023215,KB3030377,KB3031432,KB3032655,KB3033889,KB3033890,KB3033929,KB3035126,KB3035132,KB3037574,KB3039066,KB3042553,KB3045171,KB3045685,KB3045999,KB3046002,KB3046269,KB3046482,KB3048070,KB3055642,KB3057154,KB3059317,KB3061518,KB3063858,KB3065822,KB3065979,KB3067505,KB3067903,KB3068457,KB3069392,KB3070102,KB3070738,KB3072630,KB3072633,KB3074886,KB3075516,KB3079904,KB976902,KB982018

Client

Windows 7 SP1 64-bit, Enterprise Edition, IE10

Windows Hotfixes:

KB2764913,KB2764916,KB2718695,KB2670838,KB2830477,KB2592687,KB971033,KB2479943,KB2491683,KB2506014,KB2506212,KB2506928,KB2509553,KB2511455,KB2515325,KB2532531,KB2533552,KB2533623,KB2534111,KB2536275,KB2544893,KB2545698,KB2547666,KB2552343,KB2560656,KB2563227,KB2564958,KB2570947,KB2574819,KB2579686,KB2585542,KB2603229,KB2604115,KB2619339,KB2620704,KB2621440,KB2631813,KB2639308,KB2640148,KB2647753,KB2653956,KB2654428,KB2656356,KB2660075,KB2667402,KB2676562,KB2685811,KB2685813,KB2685939,KB2690533,KB2698365,KB2705219,KB2706045,KB2712808,KB2718704,KB2719857,KB2726535,KB2727528,KB2729094,KB2729452,KB2731771,KB2732059,KB2732487,KB2736422,KB2742599,KB2750841,KB2758857,KB2761217,KB2763523,KB2770660,KB2773072,KB2786081,KB2789645,KB2791765,KB2798162,KB2799926,KB2800095,KB2803821,KB2807986,KB2808679,KB2813347,KB2813430,KB2820331,KB2832414,KB2834140,KB2836942,KB2836943,KB2839894,KB2840149,KB2840631,KB2843630,KB2846960,KB2847927,KB2852386,KB2853952,KB2855844,KB2857650,KB2861191,KB2861698,KB2862152,KB2862330,KB2862335,KB2862973,KB2864058,KB2864202,KB2868038,KB2868116,KB2868626,KB2871997,KB2882822,KB2884256,KB2887069,KB2888049,KB2891804,KB2892074,KB2893294,KB2893519,KB2894844,KB2900986,KB2908783,KB2911501,KB2912390,KB2918077,KB2918614,KB2919469,KB2923545,KB2928562,KB2929733,KB2931356,KB2937610,KB2939576,KB2943357,KB2952664,KB2957189,KB2957503,KB2957509,KB2961072,KB2965788,KB2966583,KB2968294,KB2970228,KB2971850,KB2972100,KB2972211,KB2972280,KB2973112,KB2973201,KB2973351,KB2976897,KB2977292,KB2977728,KB2978092,KB2978120,KB2978668,KB2978742,KB2979570,KB2984972,KB2984976,KB2984981,KB2985461,KB2990214,KB2991963,KB2992611,KB2993651,KB2994023,KB2999226,KB3000483,KB3003743,KB3004361,KB3004375,KB3005607,KB3005788,KB3006121,KB3006137,KB3006226,KB3006625,KB3008627,KB3010788,KB3011780,KB3013410,KB3013531,KB3014406,KB3019215,KB3019978,KB3020338,KB3020369,KB3020370,K

B3020388,KB3021674,KB3021917,KB3022777,KB3023215,KB3030377,KB3031432,KB3032323,KB3032655,KB3033889,KB3033890,KB3033929,KB3034344,KB3035126,KB3035132,KB3035583,KB3036493,KB3037574,KB3038314,KB3039066,KB3040272,KB3042058,KB3042553,KB3045171,KB3045645,KB3045685,KB3045999,KB3046002,KB3046017,KB3046269,KB3046306,KB3046482,KB3048070,KB3048761,KB3054476,KB3055642,KB3057154,KB3059317,KB3060716,KB3061518,KB3063858,KB3064209,KB3065822,KB3065979,KB3065987,KB3067505,KB3067903,KB3068708,KB3069114,KB3069392,KB3069762,KB3070102,KB3070738,KB3071756,KB3072305,KB3072630,KB3072633,KB3074543,KB3074886,KB3075226,KB3075249,KB3075516,KB3076895,KB3076949,KB3077715,KB3078071,KB3078601,KB3078667,KB3079757,KB3079904,KB3080149,KB3080446,KB3083324,KB3083710,KB3083992,KB3084135,KB3086255,KB3087038,KB3087039,KB3087918,KB3088195,KB3092601,KB3092627,KB3093513,KB3093983,KB3097966,KB3097989,KB3099862,KB3100213,KB3101722,KB3107998,KB3108371,KB3108381,KB3108664,KB3108669,KB3108670,KB3109094,KB3109103,KB3109560,KB3110329,KB3112148,KB3112343,KB3115858,KB3121212,KB3121461,KB3121918,KB3122648,KB3123479,KB3123862,KB3124000,KB3124001,KB3124275,KB3124280,KB3126446,KB3126587,KB3126593,KB3127220,KB3134214,KB3135445,KB976902,KB982018

Windows 7 SP1 64-bit, Professional Edition, IE10

Windows Hotfixes:

KB2764913, KB2764916, KB2718695, KB2670838, KB2830477, KB2592687, KB971033, KB2479943, KB2491683, KB2506014, KB2506212, KB2506928, KB2509553, KB2511455, KB2515325, KB2532531, KB2533552, KB2533623, KB2534111, KB2536275, KB2544893, KB2545698, KB2547666, KB2552343, KB2560656, KB2563227, KB2564958, KB2570947, KB2574819, KB2579686, KB2585542, KB2603229, KB2604115, KB2619339, KB2620704, KB2621440, KB2631813, KB2639308, KB2640148, KB2647753, KB2653956, KB2654428, KB2656356, KB2660075, KB2667402, KB2676562, KB2685811, KB2685813, KB2685939, KB2690533, KB2698365, KB2705219, KB2706045, KB2712808, KB2718704, KB2719857, KB2726535, KB2727528, KB2729094, KB2729452, KB2731771, KB2732059, KB2732487, KB2736422, KB2742599, KB2750841, KB2758857, KB2761217, KB2763523, KB2770660, KB2773072, KB2786081, KB2789645, KB2791765, KB2798162, KB2799926, KB2800095, KB2803821, KB2807986, KB2808679, KB2813347, KB2813430, KB2820331, KB2832414, KB2834140, KB2836942, KB2836943, KB2839894, KB2840149, KB2840631, KB2843630, KB2846960, KB2847927, KB2852386, KB2853952, KB2855844, KB2857650, KB2861191, KB2861698, KB2862152, KB2862330, KB2862335, KB2862973, KB2864058, KB2864202, KB2868038, KB2868116, KB2868626, KB2871997, KB2882822, KB2884256, KB2887069, KB2888049, KB2891804, KB2892074, KB2893294, KB2893519, KB2894844, KB2900986, KB2908783, KB2911501, KB2912390, KB2918077, KB2918614, KB2919469, KB2923545, KB2928562, KB2929733, KB2931356, KB2937610, KB2939576, KB2943357, KB2952664, KB2957189, KB2957503, KB2957509, KB2961072, KB2965788, KB2966583, KB2968294, KB2970228, KB2971850, KB2972100, KB2972211, KB2972280, KB2973112, KB2973201, KB2973351, KB2976897, KB2977292, KB2977728, KB2978092, KB2978120, KB2978668, KB2978742, KB2979570, KB2984972, KB2984976, KB2984981, KB2985461, KB2990214, KB2991963, KB2992611, KB2993651, KB2994023, KB2999226, KB3000483, KB3003743, KB3004361, KB3004375, KB3005607, KB3005788, KB3006121, KB3006137, KB3006226,

KB3006625, KB3008627, KB3010788, KB3011780, KB3013410, KB3013531, KB3014406, KB3019215, KB3019978, KB3020338, KB3020369, KB3020370, KB3020388, KB3021674, KB3021917, KB3022777, KB3023215, KB3030377, KB3031432, KB3032323, KB3032655, KB3033889, KB3033890, KB3033929, KB3034344, KB3035126, KB3035132, KB3035583, KB3036493, KB3037574, KB3038314, KB3039066, KB3040272, KB3042058, KB3042553, KB3045171, KB3045645, KB3045685, KB3045999, KB3046002, KB3046017, KB3046269, KB3046306, KB3046482, KB3048070, KB3048761, KB3054476, KB3055642, KB3057154, KB3059317, KB3060716, KB3061518, KB3063858, KB3064209, KB3065822, KB3065979, KB3065987, KB3067505, KB3067903, KB3068708, KB3069114, KB3069392, KB3069762, KB3070102, KB3070738, KB3071756, KB3072305, KB3072630, KB3072633, KB3074543, KB3074886, KB3075226, KB3075249, KB3075516, KB3076895, KB3076949, KB3077715, KB3078071, KB3078601, KB3078667, KB3079757, KB3079904, KB3080149, KB3080446, KB3083324, KB3083710, KB3083992, KB3084135, KB3086255, KB3087038, KB3087039, KB3087918, KB3088195, KB3092601, KB3092627, KB3093513, KB3093983, KB3097966, KB3097989, KB3099862, KB3100213, KB3101722, KB3107998, KB3108371, KB3108381, KB3108664, KB3108669, KB3108670, KB3109094, KB3109103, KB3109560, KB3110329, KB3112148, KB3112343, KB3115858, KB3121212, KB3121461, KB3121918, KB3122648, KB3123479, KB3123862, KB3124000, KB3124001, KB3124275, KB3124280, KB3126446, KB3126587, KB3126593, KB3127220, KB3134214, KB3135445, KB976902, KB982018

Standalone/Personal Workstation

Windows 7.0 SP1 64-bit, Enterprise Edition, IE11

Windows Hotfixes:

KB2849697, KB2849696, KB2841134, KB2841134, KB2670838, KB2830477, KB2592687, KB971033, KB2479943, KB2491683, KB2506014, KB2506212, KB2506928, KB2509553, KB2511455, KB2515325, KB2533552, KB2534111, KB2536275, KB2536276, KB2544893, KB2545698, KB2547666, KB2552343, KB2560656, KB2563227, KB2564958, KB2570947, KB2574819, KB2579686, KB2585542, KB2603229, KB2604115, KB2619339, KB2620704, KB2621440, KB2631813, KB2640148, KB2644615, KB2647753, KB2654428, KB2660075, KB2667402, KB2676562, KB2685811, KB2685813, KB2690533, KB2698365, KB2705219, KB2712808, KB2719857, KB2726535, KB2727528, KB2729094, KB2732059, KB2732487, KB2736422, KB2742599, KB2750841, KB2761217, KB2763523, KB2770660, KB2773072, KB2786081, KB2791765, KB2799926, KB2800095, KB2803821, KB2807986, KB2808679, KB2813170, KB2813347, KB2813430, KB2820331, KB2834140, KB2839894, KB2840631, KB2843630, KB2846960, KB2847927, KB2852386, KB2853952, KB2857650, KB2861698, KB2862152, KB2862330, KB2862335, KB2862973, KB2864202, KB2868038, KB2868116, KB2871997, KB2884256, KB2887069, KB2888049, KB2891804, KB2892074, KB2893294, KB2893519, KB2894844, KB2900986, KB2908783, KB2911501, KB2912390, KB2913431, KB2918077, KB2918614, KB2919469, KB2923545, KB2928562, KB2929733, KB2931356, KB2937610, KB2939576, KB2943357, KB2952664, KB2957189, KB2957509, KB2961072, KB2966583, KB2968294, KB2970228, KB2972100, KB2972211, KB2972280, KB2973112,

KB2973201, KB2973351, KB2976627, KB2976897, KB2977292, KB2977728, KB2978092, KB2978120, KB2978668, KB2978742, KB2979570, KB2984972, KB2985461, KB2990214, KB2991963, KB2992611, KB2994023, KB3003743, KB3004361, KB3004375, KB3006121, KB3006137, KB3006625, KB3008627, KB3008923, KB3010788, KB3011780, KB3013410, KB3013531, KB3014406, KB3019215, KB3020338, KB3020369, KB3020370, KB3020388, KB3021674, KB3021917, KB3022777, KB3023215, KB3025390, KB3030377, KB3032323, KB3032655, KB3033889, KB3033890, KB3033929, KB3035126, KB3035132, KB3036493, KB3037574, KB3039066, KB3042553, KB3045171, KB3045645, KB3045685, KB3046002, KB3046017, KB3046269, KB3046306, KB3046482, KB3048070, KB3048761, KB3050265, KB3054476, KB3055642, KB3057154, KB3057839, KB3058515, KB3059317, KB3060716, KB3061518, KB3065822, KB3065979, KB3067505, KB3067903, KB3068708, KB3069392, KB3069762, KB3070102, KB3070738, KB3071756, KB3072305, KB3072630, KB3072633, KB3074886, KB3075226, KB3075516, KB3075851, KB3076895, KB3076949, KB3078071, KB3078601, KB3079757, KB3079904, KB976902, KB982018

Windows 7.0 SP1 64-bit, Professional Edition, IE11

Windows hotfixes:

KB2841134, KB2841134, KB2670838, KB2830477, KB2592687, KB971033, KB2479943, KB2491683, KB2506014, KB2506212, KB2506928, KB2509553, KB2511455, KB2515325, KB2533552, KB2534111, KB2536275, KB2536276, KB2544893, KB2545698, KB2547666, KB2552343, KB2560656, KB2563227, KB2564958, KB2570947, KB2574819, KB2579686, KB2585542, KB2603229, KB2604115, KB2619339, KB2620704, KB2621440, KB2631813, KB2639308, KB2640148, KB2647753, KB2654428, KB2660075, KB2667402, KB2676562, KB2685811, KB2685813, KB2690533, KB2698365, KB2705219, KB2712808, KB2719857, KB2726535, KB2727528, KB2729094, KB2732059, KB2732487, KB2736422, KB2742599, KB2750841, KB2761217, KB2763523, KB2770660, KB2773072, KB2786081, KB2791765, KB2799926, KB2800095, KB2803821, KB2807986, KB2808679, KB2813347, KB2813430, KB2820331, KB2834140, KB2839894, KB2840631, KB2843630, KB2846960, KB2847927, KB2852386, KB2853952, KB2857650, KB2861698, KB2862152, KB2862330, KB2862335, KB2862973, KB2864202, KB2868038, KB2868116, KB2871997, KB2884256, KB2887069, KB2888049, KB2891804, KB2892074, KB2893294, KB2893519, KB2894844, KB2900986, KB2908783, KB2911501, KB2912390, KB2918077, KB2918614, KB2919469, KB2923545, KB2928562, KB2929733, KB2931356, KB2937610, KB2939576, KB2943357, KB2952664, KB2957189, KB2957509, KB2961072, KB2966583, KB2968294, KB2970228, KB2972100, KB2972211, KB2972280, KB2973112, KB2973201, KB2973351, KB2976627, KB2976897, KB2977292, KB2977728, KB2978092, KB2978120, KB2978668, KB2978742, KB2979570, KB2984972, KB2985461, KB2990214, KB2991963, KB2992611, KB2994023, KB3003743, KB3004361, KB3004375, KB3006121, KB3006137, KB3006625, KB3008627, KB3010788, KB3011780, KB3013410, KB3013531, KB3014406, KB3019215, KB3020338, KB3020369, KB3020370, KB3020388, KB3021674, KB3021917, KB3021952, KB3022777, KB3023215, KB3030377, KB3032323, KB3032359, KB3032655, KB3033889, KB3033890, KB3033929, KB3035126, KB3035132, KB3035583, KB3036493, KB3037574, KB3039066, KB3042058, KB3042553, KB3045171, KB3045645, KB3045685, KB3046002, KB3046017, KB3046269, KB3046306, KB3046482, KB3048070, KB3048761, KB3050265, KB3054476, KB3055642,

KB3057839, KB3058515, KB3059317, KB3060716, KB3061518, KB3067903, KB3068708, KB3069762, KB3071756, KB3072630, KB3072633, KB3074543, KB3075226, KB3076895, KB3076949, KB3078601, KB3080446, KB3084135, KB3086255, KB3087039, KB3092601, KB3093513, KB3097966, KB3097989, KB3099862, KB3100213, KB3101722, KB3108371, KB3108381, KB3108664, KB3108669, KB3108670, KB3109094, KB3109103, KB3109560, KB3110329, KB3112343, KB3121212, KB3121461, KB3121918, KB3123479, KB3124000, KB3124001, KB3124275, KB976902, KB982018

Windows 8.1 64-bit, Enterprise Edition, IE11

Windows hotfixes:

KB2899189, KB2959936, KB2894852, KB2894856, KB2919355, KB2920189, KB2931358, KB2931366, KB2934520, KB2938772, KB2939153, KB2949621, KB2954879, KB2958262, KB2958263, KB2961072, KB2962140, KB2962806, KB2965142, KB2965500, KB2966407, KB2966826, KB2966828, KB2967917, KB2968296, KB2968599, KB2971203, KB2972103, KB2972213, KB2973114, KB2973351, KB2975061, KB2976627, KB2976978, KB2977629, KB2977765, KB2978002, KB2978041, KB2978122, KB2978126, KB2979573, KB2979576, KB2981580, KB2987107, KB2989647, KB2989930, KB2990967, KB2994290, KB2998527, KB3000850, KB3001237, KB3003057, KB3003667, KB3004361, KB3004365, KB3004394, KB3004545, KB3006137, KB3011780, KB3012199, KB3012235, KB3012702, KB3013172, KB3013410, KB3013538, KB3013769, KB3013791, KB3013816, KB3014442, KB3015696, KB3016074, KB3018133, KB3018467, KB3019215, KB3019978, KB3020338, KB3020370, KB3021910, KB3022345, KB3022777, KB3023219, KB3023222, KB3024751, KB3024755, KB3025417, KB3027209, KB3029432, KB3029438, KB3029603, KB3029606, KB3029803, KB3030377, KB3030947, KB3031044, KB3032323, KB3032663, KB3033446, KB3034348, KB3035017, KB3035126, KB3035132, KB3035487, KB3035527, KB3035553, KB3036612, KB3037576, KB3037579, KB3037924, KB3038002, KB3038314, KB3038562, KB3038701, KB3038936, KB3039066, KB3041857, KB3042085, KB3042553, KB3043812, KB3044374, KB3044673, KB3045171, KB3045634, KB3045685, KB3045717, KB3045719, KB3045746, KB3045755, KB3045992, KB3045999, KB3046002, KB3046017, KB3046359, KB3046480, KB3046737, KB3047254, KB3047255, KB3048043, KB3048072, KB3048097, KB3048778, KB3049563, KB3049989, KB3050514, KB3053863, KB3054169, KB3054256, KB3054464, KB3055323, KB3055343, KB3055642, KB3055999, KB3056347, KB3057839, KB3058515, KB3059316, KB3059317, KB3060383, KB3060716, KB3060746, KB3060793, KB3061468, KB3061493, KB3061512, KB3061518, KB3062760, KB3063843, KB3064059, KB3065013, KB3065820, KB3066441, KB3067505, KB3068708, KB3069114, KB3069392, KB3070071, KB3071663, KB3071756, KB3072307, KB3072630, KB3072633, KB3074228, KB3074545, KB3074548, KB3075220, KB3075249, KB3075853, KB3076895, KB3076949, KB3077715, KB3078071, KB3078601, KB3078676, KB3079318, KB3079850, KB3080149, KB3082089, KB3083325, KB3083992, KB3084135, KB3086255, KB3087038, KB3087039, KB3087088, KB3087916, KB3089023, KB3092627

Windows 8.1 64-bit, Professional Edition, IE11

Windows hotfixes:

KB2899189, KB2959936, KB2894852, KB2894856, KB2919355, KB2920189, KB2931358, KB2931366, KB2934520, KB2937220, KB2938772, KB2939153, KB2949621, KB2954879, KB2958262, KB2958263, KB2961072, KB2962140, KB2962806, KB2965142, KB2965500, KB2966407, KB2966826, KB2966828, KB2967917, KB2968296, KB2968599, KB2971203, KB2972103, KB2972213, KB2973114, KB2973351, KB2975061, KB2976627, KB2976978, KB2977629, KB2977765, KB2978002, KB2978041, KB2978122, KB2978126, KB2979573, KB2979576, KB2981580, KB2987107, KB2989647, KB2989930, KB2990967, KB2994290, KB2998527, KB3000850, KB3001237, KB3003057, KB3003667, KB3004361, KB3004365, KB3004394, KB3004545, KB3006137, KB3012235, KB3012702, KB3013172, KB3013410, KB3013538, KB3013769, KB3013791, KB3013816, KB3014442, KB3015696, KB3016074, KB3018133, KB3018467, KB3019215, KB3019978, KB3020338, KB3020370, KB3021910, KB3022777, KB3023219, KB3023222, KB3024751, KB3024755, KB3029432, KB3029438, KB3029603, KB3029606, KB3030377, KB3030947, KB3031044, KB3032663, KB3033446, KB3034348, KB3035017, KB3035126, KB3035132, KB3035487, KB3035527, KB3035583, KB3036612, KB3037576, KB3037579, KB3037924, KB3038002, KB3038562, KB3038936, KB3041857, KB3042085, KB3042553, KB3043812, KB3044374, KB3044673, KB3045634, KB3045685, KB3045717, KB3045719, KB3045755, KB3045992, KB3045999, KB3046002, KB3046017, KB3046359, KB3046480, KB3046737, KB3047254, KB3047255, KB3048043, KB3048778, KB3049989, KB3050267, KB3053863, KB3054169, KB3054256, KB3054464, KB3055323, KB3055343, KB3055642, KB3056347, KB3058515, KB3059316, KB3059317, KB3060383, KB3060716, KB3060746, KB3060793, KB3061468, KB3061493, KB3061512, KB3061518, KB3062760, KB3063843, KB3064059, KB3064209, KB3065013, KB3065822, KB3065988, KB3066441, KB3067505, KB3068708, KB3069114, KB3069392, KB3070071, KB3071663, KB3071756, KB3072307, KB3072630, KB3072633, KB3074228, KB3074545, KB3074548, KB3075220, KB3075249, KB3075853, KB3076895, KB3076949, KB3077715, KB3078071, KB3078601, KB3078676, KB3079318, KB3079850, KB3080149, KB3082089, KB3083325, KB3083992, KB3084135, KB3086255, KB3087038, KB3087039, KB3087040, KB3087088, KB3087916, KB3092627

LAC/E³² module

Windows 7.0 SP1 64-bit, Professional Edition, IE11

Windows Hotfixes:

KB2849697 KB2849696 KB2841134 KB2670838 KB2830477 KB2592687 KB2425227
KB2479943 KB2491683 KB2503665 KB2506014 KB2506212 KB2506928 KB2507618
KB2509553 KB2510531 KB2511455 KB2518869 KB2532531 KB2533552 KB2536275
KB2536276 KB2539635 KB2544893 KB2545698 KB2547666 KB2552343 KB2556532
KB2560656 KB2563227 KB2564958 KB2567680 KB2570947 KB2572077 KB2574819

KB2579686 KB2585542 KB2588516 KB2603229 KB2604115 KB2618444 KB2618451
KB2619339 KB2620704 KB2620712 KB2621440 KB2631813 KB2633952 KB2639417
KB2640148 KB2641690 KB2653956 KB2654428 KB2660075 KB2667402 KB2676562
KB2685811 KB2685813 KB2685939 KB2690533 KB2698365 KB2705219 KB2706045
KB2712808 KB2718704 KB2719857 KB2726535 KB2727528 KB2729094 KB2729452
KB2732059 KB2732487 KB2736422 KB2742599 KB2750841 KB2758857 KB2761217
KB2763523 KB2770660 KB2773072 KB2786081 KB2791765 KB2799926 KB2800095
KB2803821 KB2807986 KB2808679 KB2813347 KB2813430 KB2820331 KB2834140
KB2836943 KB2839894 KB2840149 KB2840631 KB2843630 KB2846960 KB2847927
KB2852386 KB2853952 KB2857650 KB2861698 KB2862152 KB2862330 KB2862335
KB2862973 KB2864202 KB2868038 KB2868116 KB2871997 KB2882822 KB2884256
KB2887069 KB2888049 KB2891804 KB2892074 KB2893294 KB2893519 KB2894844
KB2900986 KB2908783 KB2911501 KB2912390 KB2918077 KB2919469 KB2928562
KB2929733 KB2931356 KB2937610 KB2943357 KB2952664 KB2957189 KB2957509
KB2961072 KB2965788 KB2966583 KB2968294 KB2970228 KB2972100 KB2972211
KB2972280 KB2973112 KB2973201 KB2973351 KB2976897 KB2977292 KB2977728
KB2978120 KB2979570 KB2984972 KB2984976 KB2985461 KB2991963 KB2992611
KB2993651 KB2999226 KB3000483 KB3003743 KB3004361 KB3004375 KB3005607
KB3006121 KB3006137 KB3006226 KB3006625 KB3010788 KB3011780 KB3013531
KB3014406 KB3019215 KB3020338 KB3020369 KB3020370 KB3020387 KB3021674
KB3021917 KB3022777 KB3023215 KB3030377 KB3031432 KB3032655 KB3033889
KB3033929 KB3035126 KB3035132 KB3037574 KB3040272 KB3042553 KB3045645
KB3045685 KB3046017 KB3046269 KB3054476 KB3055642 KB3057154 KB3059317
KB3060716 KB3061518 KB3067903 KB3068708 KB3069114 KB3069392 KB3069762
KB3071756 KB3072305 KB3072630 KB3072633 KB3074543 KB3075222 KB3075249
KB3076895 KB3076949 KB3077715 KB3078601 KB3078667 KB3079757 KB3080079
KB3083710 KB3083992 KB3084135 KB3086255 KB3087038 KB3087039 KB3092627
KB958488 KB976902 KB982018

Windows 8.1 64-bit, Professional Edition, IE11

Windows Hotfixes:

KB2899189KB2959936 KB2894852 KB2894856 KB2919355 KB2920189 KB2931358
KB2931366 KB2934520 KB2937220 KB2938772 KB2939153 KB2949621 KB2954879
KB2958262 KB2958263 KB2961072 KB2962140 KB2962806 KB2965142 KB2965500
KB2966407 KB2966826 KB2966828 KB2967917 KB2968296 KB2968599 KB2971203
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KB2998527 KB2999226 KB3000850 KB3001237 KB3003057 KB3003667 KB3004361
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KB3013410 KB3013538 KB3013769 KB3013791 KB3013816 KB3014442 KB3015696
KB3016074 KB3018133 KB3018467 KB3019215 KB3019978 KB3020338 KB3020370
KB3021910 KB3022777 KB3023219 KB3023222 KB3024751 KB3024755 KB3029432
KB3029438 KB3029603 KB3029606 KB3030377 KB3030947 KB3031044 KB3032663

KB3033446 KB3034348 KB3035017 KB3035126 KB3035132 KB3035487 KB3035527
KB3035583 KB3036612 KB3037576 KB3037579 KB3037924 KB3038002 KB3038562
KB3038936 KB3041857 KB3042085 KB3042553 KB3043812 KB3044374 KB3044673
KB3045634 KB3045685 KB3045717 KB3045719 KB3045755 KB3045992 KB3045999
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KB3048043 KB3048778 KB3049989 KB3050267 KB3053863 KB3054169 KB3054256
KB3054464 KB3055323 KB3055343 KB3055642 KB3056347 KB3058168 KB3058515
KB3059316 KB3059317 KB3060383 KB3060716 KB3060746 KB3060793 KB3061468
KB3061493 KB3061512 KB3061518 KB3062760 KB3063843 KB3064059 KB3064209
KB3065013 KB3065822 KB3065988 KB3066441 KB3067505 KB3068708 KB3069114
KB3069392 KB3070071 KB3071663 KB3071756 KB3072307 KB3072630 KB3072633
KB3073874 KB3074228 KB3074545 KB3074548 KB3075220 KB3075249 KB3075853
KB3076895 KB3076949 KB3077715 KB3078071 KB3078601 KB3078676 KB3079318
KB3079850 KB3080042 KB3080149 KB3080800 KB3082089 KB3083325 KB3083992
KB3084135 KB3086255 KB3087038 KB3087039 KB3087040 KB3087088 KB3087916
KB3092627

Empower 3 FR3 Clients virtual machines

Windows 8.1 64-bit, Enterprise Edition, IE11

Windows Hotfixes:

KB2868626, KB2883200, KB2887595, KB2889543, KB2894029, KB2894179, KB2894856,
KB2900986, KB2903939, KB2911106, KB2919355, KB2919394, KB2920189, KB2928680,
KB2934520, KB2954879, KB2955164, KB2959626, KB2961072, KB2961908, KB2962409,
KB2962806, KB2965142, KB2965500, KB296791, KB2971203, KB2973351, KB2975061,
KB2975719, KB2976627, KB2976978, KB2977765, KB2978041, KB2978126, KB2979576,
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KB2995004, KB2995388, KB2996799, KB2998174, KB2999226, KB3000850, KB3003057,
KB3003667, KB3004361, KB3004365, KB3004394, KB3004545, KB3006137, KB3008923,
KB3012199, KB3012235, KB3012702, KB3013172, KB3013531, KB3013538, KB3013769,
KB3013791, KB3013816, KB3014442, KB3015696, KB3018133, KB3018467, KB3019215,
KB3019978, KB3020338, KB3020370, KB3021910, KB3022777, KB3023222, KB3024751,
KB3024755, KB3029432, KB3029603, KB3029606, KB3030377, KB3030947, KB3032663,
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KB3042085, KB3042553, KB3043812, KB3044374, KB3044673, KB3045634, KB3045685,
KB3045717, KB3045719, KB3045755, KB3045992, KB3045999, KB3046002, KB3046017,
KB3046359, KB3046480, KB3046737, KB3047254, KB3047255, KB3048043, KB3048778,
KB3049989, KB3053863, KB3054169, KB3054256, KB3054464, KB3055323, KB3055343,
KB3055642, KB3056347, KB3058168, KB3059316, KB3059317, KB3060383, KB3060716,
KB3060746, KB3060793, KB3061468, KB3061493, KB3061512, KB3061518, KB3062760,
KB3063843, KB3064059, KB3065013, KB3066441, KB3067505, KB3068708, KB3069114,

KB3071663, KB3071756, KB3072019, KB3072630, KB3072633, KB3074228, KB3074548, KB3075220, KB3075249, KB3075853, KB3076895, KB3076949, KB3077715, KB3078071, KB3078405, KB3078601, KB3078676, KB3079318, KB3079850, KB3080042, KB3080149, KB3080446, KB3080800, KB3081320, KB3082089, KB3083800, KB3083992, KB3084135, KB3084905, KB3086255, KB3087039, KB3087041, KB3087088, KB3087137, KB3087390, KB3087418, KB3087916, KB3087985, KB3088195, KB3089023, KB3091297, KB3092601, KB3092627, KB3095108, KB3095701, KB3096433, KB3097877, KB3097966, KB3097997, KB3098779, KB3099834, KB3100773, KB3100919, KB3100956, KB3101183, KB3101246, KB3101746, KB3102429, KB3102812, KB3102939, KB3103688, KB3103696, KB3107998, KB976002

Windows 8.1 64-bit, Professional Edition, IE11

Windows Hotfixes:

KB2899189 KB2959936, KB2894852, KB2894856, KB2919355, KB2920189, KB2931358, KB2931366, KB2934520, KB2937220, KB2938772, KB2939153, KB2949621, KB2954879, KB2958262, KB2958263, KB2961072, KB2962140, KB2962806, KB2965142, KB2965500, KB2966407, KB2966826, KB2966828, KB2967917, KB2968296, KB2968599, KB2971203, KB2972103, KB2972213, KB2973114, KB2973351, KB2975061, KB2976627, KB2976978, KB2977629, KB2977765, KB2978002, KB2978041, KB2978122, KB2978126, KB2979573, KB2979576, KB2981580, KB2987107, KB2989647, KB2989930, KB2990967, KB2994290, KB2998527, KB2999226, KB3000483, KB3000850, KB3001237, KB3003057, KB3003667, KB3004361, KB3004365, KB3004394, KB3004545, KB3006137, KB3012235, KB3012702, KB3013172, KB3013531, KB3013538, KB3013769, KB3013791, KB3013816, KB3014442, KB3015696, KB3018133, KB3018467, KB3019215, KB3019978, KB3020338, KB3020370, KB3021910, KB3022777, KB3023219, KB3023222, KB3024751, KB3024755, KB3029432, KB3029603, KB3029606, KB3030377, KB3030947, KB3031044, KB3032663, KB3033446, KB3034348, KB3035017, KB3035126, KB3035132, KB3035487, KB3035527, KB3035583, KB3036612, KB3037576, KB3037579, KB3037924, KB3038002, KB3038562, KB3038936, KB3041857, KB3042058, KB3042085, KB3042553, KB3043812, KB3044374, KB3044673, KB3045634, KB3045685, KB3045717, KB3045719, KB3045755, KB3045992, KB3045999, KB3046017, KB3046359, KB3046480, KB3046737, KB3047254, KB3047255, KB3048043, KB3048778, KB3049989, KB3053863, KB3054169, KB3054256, KB3054464, KB3055323, KB3055343, KB3055642, KB3056347, KB3058168, KB3059316, KB3059317, KB3060383, KB3060716, KB3060746, KB3060793, KB3061468, KB3061493, KB3061512, KB3061518, KB3062760, KB3063843, KB3064059, KB3065013, KB3066441, KB3067505, KB3068708, KB3069114, KB3071663, KB3071756, KB3072019, KB3072307, KB3072630, KB3072633, KB3073874, KB3074228, KB3074545, KB3074548, KB3075220, KB3075249, KB3075853, KB3076949, KB3077715, KB3078071, KB3078601, KB3078676, KB3079318, KB3079850, KB3080042, KB3080149, KB3080446, KB3080800, KB3082089, KB3083325, KB3083711, KB3083992, KB3084135, KB3086255, KB3087038, KB3087039, KB3087040, KB3087041, KB3087088, KB3087137, KB3087390, KB3087916, KB3088195, KB3089023, KB3092627, KB3093983, KB3097966, KB3099406

VMware vSphere v5.5 Environment

VM Storage

3 x Dell PowerVault 6110x/6120x
24 x 600GB 10Gb iSCSI drives per shelf (3)

VMware vCenter Server 5.5

Windows Server 2008 R2 SP1 64-bit, Enterprise Edition

Windows Hotfixes:

KB981391 KB981392 KB977236 KB981111 KB977238 KB2764913 KB2764916 KB2718695
KB977239 KB2670838 KB2830477 KB2592687 KB981390 KB2386667 KB2425227 KB2506014
KB2506212 KB2506928 KB2509553 KB2511455 KB2515325 KB2529073 KB2533552
KB2536275 KB2536276 KB2541014 KB2544893 KB2545698 KB2547666 KB2552343
KB2560656 KB2563227 KB2564958 KB2570947 KB2574819 KB2584146 KB2585542
KB2603229 KB2604115 KB2607047 KB2608658 KB2620704 KB2621440 KB2631813
KB2636573 KB2640148 KB2643719 KB2647753 KB2653956 KB2654428 KB2655992
KB2656356 KB2660075 KB2667402 KB2676562 KB2685811 KB2685813 KB2685939
KB2690533 KB2691442 KB2698365 KB2699779 KB2705219 KB2706045 KB2709630
KB2709981 KB2712808 KB2718704 KB2719033 KB2719857 KB2726535 KB2729094
KB2729452 KB2732059 KB2736422 KB2742599 KB2743555 KB2750841 KB2756921
KB2757638 KB2758857 KB2761217 KB2763523 KB2765809 KB2770660 KB2772930
KB2785220 KB2786081 KB2786400 KB2789645 KB2791765 KB2798162 KB2800095
KB2806748 KB2807986 KB2808679 KB2813347 KB2813430 KB2820331 KB2832414
KB2833946 KB2834140 KB2834886 KB2836502 KB2836943 KB2839894 KB2840149
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KB2853952 KB2855844 KB2857650 KB2861191 KB2861698 KB2861855 KB2862152
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KB2868038 KB2868116 KB2868623 KB2868626 KB2868725 KB2871997 KB2872339
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KB2888049 KB2888505 KB2891804 KB2892074 KB2893294 KB2893519 KB2893984
KB2894844 KB2898785 KB2900986 KB2904266 KB2908783 KB2911501 KB2912390
KB2913152 KB2913431 KB2913602 KB2919469 KB2923545 KB2928562 KB2929733
KB2931356 KB2937610 KB2943357 KB2957189 KB2966583 KB2968294 KB2970228
KB2972100 KB2972211 KB2973112 KB2973201 KB2973351 KB2976897 KB2977292
KB2977728 KB2978120 KB2984972 KB2985461 KB2991963 KB2992611 KB2999226
KB3000483 KB3003743 KB3004361 KB3004375 KB3006137 KB3006625 KB3010788
KB3011780 KB3014029 KB3018238 KB3020338 KB3020369 KB3020370 KB3020388
KB3021674 KB3022777 KB3023215 KB3030377 KB3032655 KB3033889 KB3033929
KB3035126 KB3035132 KB3037574 KB3040272 KB3042058 KB3042553 KB3045685
KB3046017 KB3046269 KB3054205 KB3054476 KB3055642 KB3059317 KB3060716

KB3061518 KB3068457 KB3068708 KB3069392 KB3071756 KB3072595 KB3072630
KB3072633 KB3074543 KB3075226 KB3075249 KB3077715 KB3078601 KB3078667
KB3080079 KB3080149 KB3080446 KB3081320 KB3084135 KB3086255 KB3087039
KB3092601 KB3092627 KB3097877 KB3097966 KB3097989 KB3099862 KB3100773
KB3101246 KB3101722 KB3101746 KB3102429 KB3102810 KB3107998 KB3108371
KB3108381 KB3108664 KB3108670 KB3109094 KB3109103 KB3109560 KB3110329
KB3112148 KB3112343 KB3121212 KB3121918 KB3123479 KB3124000 KB3124001
KB3124275 KB976902 KB982018

SQL Server 2008 R2

Windows Server 2012 64-bit, Standard Edition

Windows Hotfixes:

KB2736693 KB2742616 KB2756872 KB2756923 KB2757638 KB2758246 KB2761094
KB2764870 KB2769034 KB2769165 KB2769166 KB2770660 KB2770917 KB2771431
KB2777166 KB2779768 KB2780342 KB2784160 KB2785094 KB2785220 KB2789650
KB2795944 KB2798162 KB2800033 KB2800088 KB2802618 KB2805966 KB2807986
KB2808679 KB2811660 KB2812829 KB2813430 KB2822241 KB2823516 KB2829254
KB2832418 KB2833959 KB2835361 KB2836946 KB2836988 KB2839894 KB2840633
KB2843630 KB2844289 KB2845533 KB2847311 KB2849470 KB2849568 KB2850674
KB2851234 KB2855336 KB2856758 KB2861194 KB2861704 KB2862073 KB2862152
KB2862330 KB2862335 KB2862768 KB2862966 KB2862973 KB2863243 KB2863725
KB2864058 KB2864202 KB2866029 KB2868038 KB2868626 KB2868725 KB2869628
KB2871389 KB2871690 KB2871777 KB2871997 KB2875783 KB2876331 KB2876415
KB2877211 KB2877213 KB2881468 KB2882780 KB2883201 KB2884256 KB2887069
KB2887535 KB2887536 KB2887537 KB2889784 KB2891804 KB2892074 KB2893294
KB2893519 KB2893984 KB2894851 KB2894855 KB2896496 KB2898785 KB2898870
KB2900986 KB2903938 KB2904266 KB2911101 KB2912390 KB2913152 KB2920189
KB2922229 KB2928678 KB2934016 KB2938066 KB2955163 KB2957189 KB2960837
KB2962407 KB2966825 KB2966827 KB2967916 KB2968295 KB2972101 KB2972212
KB2973113 KB2973201 KB2973351 KB2973501 KB2975331 KB2976897 KB2977174
KB2977292 KB2977766 KB2978042 KB2978121 KB2978127 KB2979577 KB2981685
KB2984005 KB2985485 KB2992611 KB2995387 KB2996928 KB2999226 KB2999323
KB3000483 KB3000853 KB3003743 KB3004361 KB3004365 KB3004375 KB3004394
KB3006137 KB3010788 KB3011780 KB3012702 KB3013767 KB3014029 KB3018238
KB3019978 KB3020338 KB3022777 KB3023217 KB3023223 KB3030377 KB3031432
KB3035126 KB3035132 KB3035486 KB3035489 KB3037575 KB3037580 KB3038701
KB3040272 KB3042058 KB3042553 KB3043812 KB3044673 KB3045685 KB3045992
KB3046017 KB3048778 KB3054204 KB3055642 KB3058163 KB3058168 KB3059317
KB3060383 KB3060716 KB3063858 KB3066441 KB3067505 KB3067904 KB3068457
KB3071756 KB3072306 KB3072595 KB3072630 KB3072633 KB3074229 KB3074544
KB3074549 KB3075220 KB3077715 KB3078601 KB3080446 KB3081320 KB3082089
KB3083992 KB3084135 KB3086255 KB3087039 KB3088195 KB3092601 KB3092627

KB3096053 KB3097877 KB3097966 KB3097991 KB3097995 KB3098780 KB3100773
KB3101246 KB3101746 KB3102429 KB3102939 KB3107998

VMware vSphere 5.0 Environment

VM Storage

3 x Dell PowerVault 6110x/6120x
24 x 600GB 10Gb iSCSI drives per shelf (3)

VMware vCenter Server 5.0

Windows Server 2008 R2 SP1 64-bit, Enterprise Edition

Windows Hotfixes:

KB981391 KB981392 KB977236 KB981111 KB977238 KB2849697 KB2849696 KB2841134
KB977239 KB2670838 KB2830477 KB2592687 KB981390 KB2386667 KB2425227 KB2506014
KB2506212 KB2506928 KB2509553 KB2511455 KB2515325 KB2529073 KB2533552
KB2536275 KB2536276 KB2541014 KB2544893 KB2545698 KB2547666 KB2552343
KB2560656 KB2563227 KB2564958 KB2570947 KB2574819 KB2584146 KB2585542
KB2603229 KB2604115 KB2607047 KB2608658 KB2618451 KB2620704 KB2620712
KB2621146 KB2621440 KB2631813 KB2636573 KB2640148 KB2643719 KB2644615
KB2645640 KB2647753 KB2653956 KB2654428 KB2655992 KB2656356 KB2656411
KB2658846 KB2659262 KB2660075 KB2661254 KB2667402 KB2676562 KB2685811
KB2685813 KB2685939 KB2688338 KB2690533 KB2691442 KB2698365 KB2699779
KB2705219 KB2706045 KB2709630 KB2709981 KB2712808 KB2718704 KB2719857
KB2724197 KB2726535 KB2729094 KB2729452 KB2732059 KB2735855 KB2736233
KB2736422 KB2742599 KB2743555 KB2749655 KB2750841 KB2753842 KB2756921
KB2757638 KB2758857 KB2761217 KB2763523 KB2765809 KB2769369 KB2770660
KB2772930 KB2778930 KB2779562 KB2785220 KB2786081 KB2786400 KB2789645
KB2791765 KB2798162 KB2800095 KB2806748 KB2807986 KB2808679 KB2813347
KB2813430 KB2820331 KB2832414 KB2833946 KB2834140 KB2834886 KB2836943
KB2839894 KB2840149 KB2840631 KB2843630 KB2844286 KB2847311 KB2849470
KB2852386 KB2853587 KB2853952 KB2855844 KB2857650 KB2861191 KB2861698
KB2861855 KB2862152 KB2862330 KB2862335 KB2862966 KB2862973 KB2863240
KB2864058 KB2864202 KB2868038 KB2868116 KB2868623 KB2868626 KB2868725
KB2871997 KB2872339 KB2875783 KB2876284 KB2876331 KB2882822 KB2883150
KB2884256 KB2887069 KB2888049 KB2891804 KB2892074 KB2893294 KB2893519
KB2893984 KB2894844 KB2900986 KB2904266 KB2908783 KB2911501 KB2912390
KB2919469 KB2923545 KB2928562 KB2929733 KB2931356 KB2937610 KB2943357
KB2957189 KB2957509 KB2966583 KB2968294 KB2970228 KB2972100 KB2972211
KB2973112 KB2973201 KB2973351 KB2976897 KB2977292 KB2977728 KB2978120

KB2984972 KB2985461 KB2991963 KB2992611 KB2993651 KB2999226 KB3000483
KB3003743 KB3004361 KB3004375 KB3005607 KB3006137 KB3006625 KB3010788
KB3011780 KB3014029 KB3018238 KB3020338 KB3020369 KB3020370 KB3020388
KB3021674 KB3022777 KB3023215 KB3030377 KB3032655 KB3033889 KB3033929
KB3035126 KB3035132 KB3037574 KB3040272 KB3042058 KB3042553 KB3045685
KB3046017 KB3046269 KB3054205 KB3054476 KB3055642 KB3059317 KB3060716
KB3061518 KB3068457 KB3068708 KB3069392 KB3071756 KB3072305 KB3072595
KB3072630 KB3072633 KB3074543 KB3075226 KB3075249 KB3077715 KB3078601
KB3078667 KB3080079 KB3080149 KB3080446 KB3081320 KB3084135 KB3086255
KB3087039 KB3092601 KB3092627 KB3097877 KB3097966 KB3097989 KB3100773
KB3101246 KB3101722 KB3101746 KB3102429 KB3102810 KB3107998 KB3112343
KB976902 KB982018

SQL Server 2008

Windows Server 2008 SP2 64-bit, Enterprise Edition

Windows Hotfixes:

KB971513 KB971512 KB944036 KB982861 KB940518 KB960362 KB2761494 KB2079403
KB2117917 KB2141007 KB2158563 KB2160329 KB2183461 KB2207566 KB2286198
KB2296011 KB2296199 KB2305420 KB2345886 KB2347290 KB2360131 KB2362765
KB2387149 KB2388210 KB2393802 KB2416400 KB2416470 KB2419640 KB2423089
KB2436673 KB2442962 KB2443685 KB2447568 KB2467659 KB2481109 KB2483185
KB2492386 KB2505189 KB2506014 KB2506212 KB2507618 KB2507938 KB2508429
KB2509553 KB2510531 KB2511455 KB2522422 KB2530548 KB2533623 KB2535512
KB2536275 KB2536276 KB2544521 KB2544893 KB2545698 KB2563227 KB2564958
KB2570947 KB2584146 KB2585542 KB2598479 KB2598845 KB2604094 KB2604105
KB2618451 KB2620704 KB2620712 KB2621440 KB2631813 KB2632503 KB2633952
KB2643719 KB2644615 KB2645640 KB2646524 KB2653956 KB2654428 KB2655992
KB2656362 KB2656374 KB2656409 KB2658846 KB2659262 KB2676562 KB2677070
KB2679255 KB2685939 KB2686833 KB2688338 KB2690533 KB2691442 KB2695962
KB2698365 KB2699988 KB2705219 KB2706045 KB2712808 KB2718523 KB2718704
KB2719985 KB2726535 KB2729453 KB2731847 KB2742601 KB2748349 KB2756919
KB2757638 KB2758857 KB2762895 KB2763674 KB2770660 KB2780091 KB2785220
KB2789646 KB2798162 KB2807986 KB2808679 KB2813345 KB2813430 KB2820917
KB2832412 KB2833947 KB2834886 KB2836945 KB2839894 KB2840149 KB2844287
KB2847311 KB2849470 KB2855844 KB2859537 KB2861190 KB2861855 KB2862152
KB2862330 KB2862335 KB2862966 KB2862973 KB2863058 KB2863253 KB2864058
KB2864063 KB2864202 KB2868038 KB2868116 KB2868623 KB2868626 KB2875783
KB2876284 KB2876331 KB2883150 KB2884256 KB2887069 KB2888505 KB2891804
KB2892075 KB2893294 KB2900986 KB2929733 KB2957189 KB2957509 KB2976897
KB2991963 KB2993651 KB2998579 KB2999226 KB3000483 KB3003743 KB3004361
KB3005607 KB3006137 KB3010788 KB3014029 KB3020338 KB3021674 KB3022777
KB3033889 KB3035126 KB3035132 KB3045685 KB3046017 KB3054206 KB3055642

KB3059317 KB3060716 KB3063858 KB3067505 KB3068457 KB3069392 KB3071756
KB3072595 KB3072630 KB3072633 KB3073921 KB3075220 KB3077715 KB3078601
KB3080446 KB3081320 KB3084135 KB3086255 KB3087039 KB3092601 KB3092627
KB3097877 KB3097966 KB3100773 KB3101246 KB3101722 KB3101746 KB942288 KB948609
KB948610 KB949189 KB950050 KB950762 KB950974 KB951066 KB951698 KB951978
KB952004 KB952287 KB953733 KB954155 KB954459 KB955020 KB955069 KB955302
KB955430 KB956250 KB956572 KB956744 KB956802 KB957097 KB957200 KB957321
KB958481 KB958483 KB958623 KB958624 KB958644 KB958687 KB958869 KB959130
KB959426 KB960225 KB960803 KB961371 KB961501 KB967190 KB967723 KB968389
KB969058 KB969947 KB970238 KB970430 KB970653 KB971029 KB971468 KB971486
KB971557 KB971657 KB971737 KB971961 KB972036 KB972270 KB973507 KB973525
KB973565 KB973687 KB973917 KB974145 KB974291 KB974318 KB974455 KB974469
KB974470 KB974571 KB975467 KB975517 KB975560 KB975929 KB976098 KB976264
KB976325 KB976470 KB976662 KB976749 KB976768 KB976772 KB978207 KB978251
KB978262 KB978338 KB978542 KB978601 KB978886 KB979099 KB979306 KB979309
KB979482 KB979559 KB979683 KB979687 KB979688 KB979899 KB979910 KB980182
KB980182 KB980195 KB980218 KB980232 KB980248 KB980302 KB980436 KB980842
KB981322 KB981332 KB981349 KB981793 KB981852 KB981957 KB982132 KB982214
KB982381 KB982519 KB982632 KB982799 KB983589 KB948465 KB968930