BigFix Inventory 9.2.16 Release Notes

This page provides information about BigFix Inventory application update 9.2.16. The update is cumulative and contains changes that were provided in previous updates.

Note: After you install this update, the version of BigFix Inventory that is displayed in the Help > About panel will be 9.2.16.

Published site version

BigFix® Inventory - version 127.

Included Software Catalog

Release includes Software Catalog 9.2.15.3 containing:

- Updated IBM License Metric Tool Software Catalog to version 9.2.16.0
- Added discovery capability for selected Symantec products: Altiris Deployment Solution Agent, Deployment Solution TaskServer Handler, Netbackup for DB2, Symantec Protection Engine, Veritas NetBackup
- Added discovery capability for selected Oracle products: MySQL Server, MySQL Workbench CE, Oracle Database Gateway for DRDA, Oracle Developer, Oracle Enterprise Manager, Oracle Reports Server, Oracle Transparent Gateway for DRDA, Siebel Sync, Tuxedo Jolt
- Added discovery capability for selected SAP products: SAP Crystal Reports for .NET Framework, SAP Crystal Reports for Visual Studio

For more information please refer to:

Catalog Release Notes:
https://software.bigfix.com/download/tema/catalog/BFI_catalog_release_notes.pdf

Catalog Change List:
https://software.bigfix.com//download/tema/catalog/changelist/BFI_catalog_changelist_2019_08.pdf

Modified content

Updated Fixlets

The following fixlets were updated and should be run to install newer versions of the specific components.

- • Upgrade to the latest version of BigFix Inventory 9.x

- • The following fixlets were updated and require that actions created by their previous versions are stopped and then started by using the updated fixlets. Restarting actions is necessary to ensure that new features work properly.

  - • Initiate Software Scan
  - • Initiate Software Scan on Shared Disks
  - • Run Capacity Scan and Upload Results

- • The following fixlets were updated but do not require any additional actions.

  - • Update VM Manager Tool to version (9.2.16.0)
  - • Software Catalog Update
  - • Install VM Manager Tool
  - • Install or Upgrade Scanner
  - • Install Additional VM Manager Tool (OPTIONAL)
  - • Force Reupload of Software Scan Results
  - • Download the Disconnected Scanner Package for IBM i
  - • Download the Disconnected Scanner Package
  - • Download IBM BigFix Inventory

Installing the update

To upgrade the BigFix Inventory server to application update 9.2.16, run the **Upgrade to the latest version of BigFix Inventory** fixlet from the BigFix console. For detailed upgrade steps, see: Upgrading to BigFix Inventory 9.2.16.

The length of upgrade depends on the number of computers that are connected to the BigFix server and the amount of data that has already been imported into the product database. Some upgrades might have included the transformation of data and the length of upgrade will be proportional to the size of the database.

Transaction log considerations

If you are upgrading from version earlier than 9.2.0, triple the size of transaction log. For more information, see: Configuring the transaction logs size.

Enhancements

The following table lists enhancements that are introduced in this update.

Abstract	Description	Available since
Preview feature: Software Summary (Preview) report extended with links to usage data	The initial version of report delivered in 9.2.15 has been extended to provide links to the Software Classification report for usage data.	9.2.16
Improved reporting of IBM FlexPoints	• BigFix Inventory reports information about the highest license consumption of FlexPoints over a specified reporting period for an entire FlexPoint bundle as well as the contributing products. • You can view the license metric utilization trends for the entire bundle, as well as its components on the Metric Quantity History graph. The graph presents information about the values calculated by the system and the values that are declared by the user. • Two new columns are now available on metric reports: Peak Date and Metric Quantity. • The All IBM Metrics report shows only license consumption on a bundle level. To see the detailed information about license consumption for the contributing products, drill down by clicking the name of the bundle. • Audit snapshot is extended with an additional file that outlines the usage of FlexPoints in your environment. The flexpoints.csv file contains information about the FlexPoint bundles and the underlying products.	9.2.16
Setting metric quantity for license metrics that are not calculated by BigFix Inventory	You can manually declare the metric quantity for selected license types for which BigFix Inventory does not calculate license metric utilization out of the box.	9.2.16
Extension of the `computer_hardware` API association	You can retrieve information about additional hardware parameters, such as the serial number, vendor, model, or type of the physical server.	9.2.16
Custom rules for automatically suppressing components that meet specified criteria	By specifying the relevant criteria you can create the custom rule which automatically suppresses the matching components in the future.	9.2.16
Extended support	Support for new platforms • Certified support for the newest BigFix platform updates: 9.2.18 and 9.5.13 • Debian 9 x86 and x64	9.2.16

	• SUSE Linux Enterprise Server 15 x86-64 • SMBIOS3 on Linux • BigFix Inventory server on Windows 2019 • BigFix Inventory server on MS SQL 2017 version 14.0.3162.1 for fresh installations	
Security enhancements	• Update of the Xerces library to version 3.2.1 on AIX to keep the scanner secure and reliable.	9.2.16

Defect fixes

For list of known defects please refer to HCL Knowledge Base.

The following table lists APARs that are fixed in this update.

ID	Symptoms	Behavior after you install the update	Available since
KB0069003	Groups are not visible in BigFix inventory console due to IJ16910 DATA IMPOR FAILED DUE TO WRONG DBINFO	Missing BigFix Computer Groups are imported in first import after upgrade.	9.2.16
IJ16580	Initiate Software Scan fails on the step when total time of scan is generated.	Initiate Software Scan works correctly.	9.2.16
IJ16496	On Software Summary (Preview) panel the Count column shows different number than the number of rows that are displayed when you click the target link.	Software Summary (Preview) panel displays the correct values.	9.2.16
IJ16429	When you suppress all components that are bundled to a product with the UNKNOWN metric, the product does not disappear from the All Metrics report panel. The product remains listed in the panel and its link leads to an empty page.	The issue does not occur.	9.2.16
IJ17333	In Japanese environment when you export Software Installations, Software Classifications or All IBM Metrics report to csv or pdf file, the exported file name is garbled.	The exported file name is correct.	9.2.16
IJ17382	The Initiate Software Scan depends on pkgdb, which is not correct.	The Initiate Software Scan does not depend on pkgdb.	9.2.16
IJ15942	The connection with VM Manager fails because of an authentication issue.	It is possible to connect to VM Manager.	9.2.16
IJ15887	-/var/opt/BESClient/LMT/CIT/citinstall directory is created by UID/GID "1002 user when installing CIT scanner.	The issue does not occur.	9.2.16
IJ15875	When there are many Hyper-V VM Managers defined (WinRM connection method), VM Manager tool might not be able to correctly establish the connection to them simultaneously in multiple threads. If it frequently fails to connect, it might be required to lower the number of connection threads to one (set vmm_thread_pool_size to 1) or to add more VM Manager tools to distribute the load.	The product documentation is updated.	9.2.16

IJ15842	Entries related to MAC OSX in Computers report cause that the export of the report to csv file fails.	The export of the report to csv file is successful.	9.2.16
IJ15794	In the report that is exported from Resource Utilization panel to a CSV file the End Time column is empty, despite the fact that the values are properly specified and the slmtag file is correct.	The exported report is correct and contains all the data.	9.2.16
IJ15773	The <NOT SET> value that is displayed on the Software Classification panel is unclear.	The product documentation is updated.	9.2.16
IJ15680	The import of data fails with the following error message: `SAM::AppUsage step: java.lang.NullPointerException ,  Error converting data type datetime2 to datetime, Duplicate key com.ibm.license.mgmt.usage.bea n.UsePathBean, java.lang.StringIndexOutOfBoun dsException exception`	The import of data is successful.	9.2.16
IJ15612	The PVU sub-capacity values that are displayed on the reports in the UI are not correct, despite the fact that the application calculates the values correctly.	The report displays the correct PVU sub-capacity values.	9.2.16
IJ15582	In certain conditions and during short period of data import process, Software Installation panel may display the data from all computers, not only from the computer group that the user is assigned to.	Software Installation panel is properly filtered.	9.2.16
IJ15355	The Software Summary (Preview) panel does not work on MS SQL 2008 and 2008 R2. The minimal MS SQL Server version where panel operates is MS SQL 2012. It works on all supported DB2 versions.	The product documentation is updated.	9.2.16
IJ14303	You cannot save the custom report after you sort the data by non-selected column on the Hardware Inventory panel.	You can save the custom report.	9.2.16
IJ15238	Disconnected Scanner consumes up to 10 jobs. If there are no sufficient resources available, the job might not be invoked.	Documentation updated to list requirement of number of available jobs.	9.2.16
IJ15143	The import of data fails when capacity scan results from Solaris servers are retrieved.	The import of data is successful.	9.2.16

IJ15118	Customer receives the following warning message: `Warning WARN: SAM::RawComputerHealthValue: Skipping record dueto exception: 'undefined method ´rpartition' for #<Array:0xab19735a> .`	The warning message is suppressed.	9.2.16
IJ15107	Hardware capacity scan on Solaris fails with the error code 8.	Hardware capacity scan runs successfully.	9.2.16
IJ14919	The product documentation is missing an explicit requirement informing that the Windows script host has to be enabled on Windows endpoints.	The product documentation is updated.	9.2.16
IJ14072	Several Informix 4GL products are not discovered correctly.	Software catalog is improved.	9.2.16
IJ11917	After successful application upgrade to version 9.2.13 some panels, including Overview panel is not accessible.	All panels are accessible.	9.2.16

Internal defects fixes

The following table lists defects that are fixed in this update.

Defect	Symptoms	Behavior after you install the update	Available since
HCL-195880	Data Import: MS SQL: InventoryBuilder: Fails to complete in timely manner	There has been improved step: "ProductInventoryDAO -> createTemporaryTable: filter facts part" by rewriting executed SQL query	9.2.16
195242	A warning might be displayed while starting and stopping BigFix Inventoryserver on Windows using CLI scripts, despite the fact that everything works fine.	No warning is displayed while starting and stopping BigFix Inventory server on Windows using CLI scripts.	9.2.16
195162	On the Software Classification panel you cannot filter products under Flexpoint bundles.	On the Software Classification panel you can filter products under Flexpoint bundles.	9.2.16
194849	There are duplicated slmtags for Office365. The old slmtag is not removed which is a reason for failing import of data.	The duplicated Slmtag is removed and import of data is successful.	9.2.16
194807	The import of Software Users might fail with Null Pointer Exception.	The import of Software Users is successful.	9.2.16
194580	PEM encoded private key/certificate files that are unicode encoded are not accepted.	PEM encoded private key/certificate files that are unicode encoded are accepted.	9.2.16
194455	Some of the columns, including Server Vendor are displayed only on Hardware Inventory panel.	The issue does not occur.	9.2.16
194289	WLP keystore password is based on TLM_UUID_1 and TLM_UUID_2 values that are generated during each upgrade. Thus, you might have problems to recover the password, if you remove the installation logs.	You can easily recover the password.	9.2.16

VM Manager Tool version and changes

Version of the VM Manager Tool that is used with this application update is 9.2.16.0

Scanner version and changes

Version of the scanner that is used with this patch is 9.2.16.0000. The following table lists defects that are fixed in this update.

ID	Symptoms	Behavior after updating the scanner	Scanner version
194301	Scanner on Solaris x86 exits with error code 8 with no scan results.	The scanner runs correctly and produces scan results.	9.2.16.0000

Support for new platforms and hypervisors

The following table lists new platforms and hypervisors for which support is added starting from this update.

Supported operating systems and hypervisors	Requirements
Certified support for the newest BigFix platform updates: 9.2.18, 9.5.13	
Debian 9 x86 and x64	
SUSE Linux Enterprise Server 15 x86-64	
SMBIOS3 on Linux	
BigFix Inventory server on Windows 2019	
BigFix Inventory server on MS SQL 2017 version 14.0.3162.1 for fresh installations	