

BigFix Inventory 10.0.3.0 Release Notes

This document provides information about the BigFix Inventory application update 10.0.3.0. The update is cumulative and contains changes that were provided in the previous updates.

Name of the component	Version	Updated in this Release
BigFix Inventory Content Site	138	Yes
BigFix Inventory Software Catalog (main version)	10.0.3.0	Yes
BigFix Inventory Software Catalog (version on endpoint)	2638564	Yes
BigFix Inventory Server	10.0.3.0	Yes
BigFix Inventory Server: ILMT Core library	9.2.21	Yes
BigFix Inventory Server: ILMT Catalog	9.2.21	Yes
BigFix Inventory Scanner	9.2.21.1000 (Windows) 9.2.21.0000 (other platforms)	Yes Yes
BigFix Inventory Disconnected Scanner	10.0.3.0 9.2.21.0 (for IBM i)	Yes Yes
BigFix Inventory VM Manager Tool	10.0.3.0	Yes
SAP Metric Data Collector	10.0.3.0	Yes

Changes to supported systems and upgrade paths

BigFix Inventory v10.0.3 supports direct upgrade from version 9.2.14 and later. Older version requires two upgrade steps - first upgrade to BigFix v10.0.2 then to the recent BigFix Inventory version.

IBM catalog – additional space characters

In IBM software catalog 9.2.21, two issues were identified:

1. Multiple (~80) items have unnecessary space characters at the end of their names, e.g. "IBM InfoSphere Business Glossary "
2. All items have their modification date changed, even those in fact unmodified.

Issue nr 1 has been accumulating since several releases. It has not been visible in upgraded BigFix Inventory, till modification dates were updated in 9.2.21. Now all the items will be re-imported and refreshed according to the current IBM catalog content.

Important: Potential impact on API integration scenarios (if white characters are not ignored), and on some types of filtering on UI. This issue has been submitted to IBM and solution is in plan for LMT core/catalog 9.2.22.

Changes to user interface

"HCL" is now displayed as the software catalog provider. User interface icons are updated in line with HCL brand.

Included Software Catalog

This release includes Software Catalog version 10.0.3.0 containing:

- Added capability to discover 228 software versions including Red Hat JBoss Enterprise Application Platform

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_2020_12.pdf

Modified content

The version included in the fixlet names is: 10.0.3.0

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

- Upgrade to the latest version of BigFix Inventory 10.x
- Software Catalog Update
- Install or Upgrade Scanner
- Install or Upgrade Scanner in private mode on Windows
- Update SAP Metric Data Collector
- Update VM Manager Tool
- Download the Disconnected Scanner Package for IBM i
- Download the Disconnected Scanner Package

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:

- Run Capacity Scan and Upload Results (10.0.3.0)
- Initiate Software Scan (10.0.3.0)
- Get Oracle Features (10.0.3.0)
- Get Oracle Concurrent Sessions Number (10.0.3.0)
- Discover Remote Shared Disks (10.0.3.0)

The following fixlets were updated but it does not require any additional action:

- Uninstall Scanner (10.0.3.0)
- Download BigFix Inventory (10.0.3.0)
- Identify Computers on Public Clouds (10.0.3.0)
- Install Additional VM Manager Tool (OPTIONAL) (10.0.3.0)
- Update VM Manager Tool to version (10.0.3.0)
- Download BigFix Inventory (10.0.3.0)

Enhancements and important changes

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

Abstract	Description	Available since
Support for Alibaba Cloud	Installed IBM software on Alibaba cloud can be audited	10.0.3.0
Notifications of failed data and catalog imports	TODO list is extended with information about failed catalog import. Ability to set up email notifications of data and catalog import failures is introduced.	10.0.3.0
IBM Virtualization Capacity reporting equivalent	BigFix Inventory 10.0.3.0 is equivalent to IBM License Metric Tool (ILMT) 9.2.21 for IBM Virtualization Capacity reporting For current status of IBM validated releases see BFI HCL FAQ	10.0.3.0
Certification of License Activation Process for BigFix	Ability to setup automatically product association by scanner for more details please see Activating the license counting process for BigFix and Assign components to active BigFix products for BFI	10.0.3.0
Catalog updates		
New discovery for Red Hat JBoss Enterprise Application Platform	Discovery of Red Hat JBoss Enterprise Application Platform for versions 6.0 – 6.4 has been updated, now detailed version is reported, and quality has been improved.	10.0.3.0
New discovery for Dropbox	New template signature for Dropbox based on the executable file and its version.	10.0.3.0

Defect fixes

For the list of known defects please refer to [HCL Knowledge Base](#).

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

ID	Symptoms	Behavior after you install the update	Available since
Server updates			
KB0082269	BigFix Inventory production.log file does not rotate	Configuration has been updated and production.log is no longer produced to avoid duplicated logging	10.0.3.0
KB0084887	While running data imports after upgrading to BFI 10.0.2, there is error in import log as below: Cannot insert duplicate key row in object 'sam.file_facts_scd' with unique index 'sam_file_facts_scd_computer_id_full_path_sha1_valid_to_index'	The problem does not occur.	10.0.3.0
KB0085129	New dashboard config will not show up after upgrade to 10.0.2 in case a saved report was deleted before upgrade	The problem does not occur.	10.0.3.0
KB0085155	Data Import step UsageManager fails on Null value insert into non null column.	The problem does not occur.	10.0.3.0
KB0084825	Metric Quantity field is not displaying proper value formatting for following languages CS, DE, ES, NL, pt-BR,SL, HR, HU, RU, PL	Metric Quantity field is proper value formatting for given languages <ul style="list-style-type: none"> • CS:100,000,99 => 100 000,99 • DE,ES,NL,pt-BR,SL:100,000.99 => 100.000,99 • HR,HU,RU:100,000.99 => 100 000,99 • PL: • 100.000,99 => 100 000,99 	10.0.3.0
KB0085226	API request returns unexpected character '\n' for IP addresses and discovery paths. IP address list is a single text string instead of a table.	The problem does not occur. The previous format (used before BFI v10.0.2) is restored.	10.0.3.0

KB0085446	Get Oracle Features fixlet in some cases does not detect Advanced Compression feature	The problem does not occur.	10.0.3.0
KB0085384	File Facts scan with unicode character in payload is imported partially when also file checksums are collected. Furthermore, there were kept only records processed. The Import log file shows the following errors: WARN: Exception Encoding::CompatibilityError while processing data in file itsitsearch_0_1.xml on computer 30. Message: incompatible character encodings: UTF-8 and ASCII-8BIT	The problem does not occur.	10.03.0
KB0085027	During installation of BFI 10.0.2 on a clean system, default installation directory contains a typo: "C:\Program Files\BigFix Enterprise\BFI", where the word "Enterprise" is spelled "Enterpise" (missing a "r" letter). and resulting in an unexpected location after installation.	Typo is corrected and default path is: "C:\Program Files\BigFix Enterprise\BFI". This applies to new installations only	10.0.3.0
KB0085442	Capacity scans not uploading leading to Outdated or No VM Manager status	The problem does not occur.	10.0.3.0
BI-1207	Empty 'File path' displayed on Scanned File Data when file is placed in the root (/) directory	When file is placed in root directory then Scanned File Data report displays path to this file correctly	10.0.3.0
BI-1104	When BESClient id has changed and there are old scanned files with old BESClient ids these files are causing warning generation during import process	Before files upload old, scanned files are removed	10.0.3.0
BI-2184	When BFI loses connection to database server contract management will display strange message	Message has been corrected to display information that connection to database has been lost	10.0.3.0
IJ25637	Installation of the BigFix Inventory server fails because the password for the default KeyStore was not set up	The problem does not occur.	10.0.3.0

	<p>correctly. The following error is written in the logs.</p> <pre>com.ibm.license.mgmt.install.ia.actions.EnableEncryption.execute - securityUtility execution failed with return code: 1, stdout: , stderr: JVMJ9VM015W Initialization error for library j9jit29(11): cannot initialize JIT</pre>		
IJ25638	Multiple selection for monthly and weekly schedule of exporting reports does not work correctly.	The selection is now intuitive and information about the current setting is displayed.	10.0.3.0
IJ26396	License usage is displayed on the All Metrics report for a product on a computer where no component of that product is installed. It happens on computers where IBM DB2 Advanced Workgroup Server Edition OEM Limited Use 11.1 component was previously bundled to that product (as a charged assignment).	The problem does not occur.	10.0.3.0
IJ26514	<p>Import of data fails after manual modification of the etl_settings.yml and the following error is written in the team.log file.</p> <pre>ERROR (Default Executor-thread-3) loadSystemProperties java.lang.IllegalArgumentException: No enum constant com.ibm.license.mgmt.dao.system.EtLSettings</pre>	The problem does not occur.	10.0.3.0
IJ26522	Scheduling capacity scan with a disconnected scanner fails on SUSE Linux Enterprise Server 11.	The problem does not occur.	10.0.3.0
IJ26708	When more than one-dollar sign (\$) is used for any parameter in the installation response file, the value is incorrectly interpreted. Installation of the BigFix Inventory server might fail. If it does not fail, the value of the parameter that is used is not the same as the one that was provided in	The problem does not occur.	10.0.3.0

	the response file. It might result in unexpected behavior.		
IJ26973	In general, the No Host Scan Data status means that the VM is not considered in PVU calculations. To correctly calculate PVU utilization on such a VM, its host must report to BigFix Inventory. However, HP-UX computers with the No Host Scan Data status are contributing to calculation of PVU based on default PVU values.	The problem does not occur.	10.0.3.0
197915	Some errors occurring during schema update are not properly handled. Thus, BigFix Inventory upgrade may be shown as successful in case it failed.	The problem does not occur.	10.0.3.0
197966	Disconnected scanner can use up to 100% CPU for a long period of time on Windows 2008.	The problem does not occur.	10.0.3.0
198084	In case a VM Manager tool configuration file is invalid because the password is blank, “vmman.bat -reloadconfig” command returns error code 0 despite it failed.	The problem does not occur.	10.0.3.0
198085	“vmman.bat -stop” command fails on timeout.	The problem does not occur.	10.0.3.0
Documentation updates			
BI-2346	Added information about switching user permission to allow user access the BigFix Platform database.	Managing data sources- Lowering user permission	10.0.3.0
BI-3050	Added more information about the “resync_imports” in the Advanced Server Parameters section based on the information available on the UI.	Advanced Server Parameters	10.0.3.0
BI-3049	In the description of “resync_mode”, added the information about Catalog Scan Only (2).	Advanced Server Parameters	10.0.3.0

Security enhancements

To maintain security, the following selected components and libraries were updated.

- Rails upgraded to version 5.2.4.4 - CVE-2020-15169
- WebSphere Liberty upgraded to 20.0.0.11 - CVE-2020-10693, CVE-2020-4590
- Changed WebSphere configuration to always use TLS 1.2 and secure ciphers for the fresh BigFix inventory installations. Manual configuration is required for the existing and upgraded BigFix Inventory installations. [Details can be found in documentation.](#)
- Log4j upgraded to version 2.13.3 - CVE-2019-17571, CVE-2020-9488

VM Manager Tool version and changes

The VM Manager Tool version used with this update is 10.0.3.0.

Scanner version and changes

The scanner version used with this update is 9.2.21.1000 for Windows and 9.2.21.0000 for other platforms. The disconnected scanner version used with this update is 10.0.3.0.

Support for new systems

The following table lists new supported systems:

Supported systems and hypervisors
RED HAT ENTERPRISE LINUX 8.2

Documentation

For more information about how to install, maintain, and use this application refer to BigFix Inventory user documentation:

https://help.hcltechsw.com/bigfix/10.0/inventory/welcome/BigFix_Inventory_welcome.html