

## BigFix Inventory 10.0.0.0 Release Notes

This document provides information about the BigFix Inventory application update 10.0.0.0. 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	132	Yes
BigFix Inventory Software Catalog	10.0.0.0	Yes
BigFix Inventory Server	10.0.0.0	Yes
BigFix Inventory Scanner	9.2.18.0000	Yes
BigFix Inventory Disconnected Scanner	10.0.0.0 9.2.18.0 (for IBM I)	Yes
BigFix Inventory VM Manager Tool	10.0.0.0	Yes
SAP Metric Data Collector	10.0.0.0	Yes

### Included Software Catalog

This release includes Software Catalog version 10.0.0.0 containing:

- IBM License Metric Tool Software Catalog version 9.2.18.0
- Added discovery capability for 400+ software versions for number of titles including BMC, Citrix, EMC, Hewlett-Packard, Microsoft, Red Hat, Oracle, SAP, VMware, OpenJDK software

For more information please refer to:

Catalog Release Notes:

[https://software.bigfix.com/download/tema/catalog/BFI\\_catalog\\_release\\_notes.pdf](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\\_03.pdf](https://software.bigfix.com/download/tema/catalog/changelist/BFI_catalog_changelist_2020_03.pdf)

### Modified content

The version included in Fixlet name is: 10.0.0.0

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 10.x
- Software Catalog Update
- Install or Upgrade Scanner
- 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.

- Initiate Software Scan
- Initiate Software Scan on Shared Disks
- Collect Detailed Hardware Information
- Schedule VM Manager Tool Scan Results Upload

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

- Install VM Manager Tool
- Install Additional VM Manager Tool (OPTIONAL)
- Run Capacity Scan and Upload Results
- Force Reupload of Software Scan Results
- Download IBM BigFix Inventory
- Install SAP Metric Data Collector
- Get Microsoft Exchange Edition
- Get SAP Components
- Get Oracle Concurrent Sessions Number

## Enhancements and important changes

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

Abstract	Description	Available since
Detailed Component Version discovery for Oracle Java and Oracle Weblogic	<p>Starting from this release new mechanism is available for Patch level reporting. Detailed Component Version discovery is supported now by the Extended Signature feature and the recent catalog content.</p> <p>This functionality is available out of the box for:</p> <ul style="list-style-type: none"> <li>• Oracle Java Runtime Environment</li> <li>• Oracle Java JDK/SDK</li> <li>• Oracle Weblogic</li> <li>• Oracle Weblogic Enterprise Edition</li> <li>• Oracle Weblogic Suite</li> </ul>	10.0.0.0
Extension of the computer_hardware API association and related Computers report	You can retrieve information about parent layer hostname.	10.0.0.0

IBM Virtualization Capacity reporting equivalent	BigFix Inventory 10.0.0.0 is equivalent to IBM License Metric Tool (ILMT) 9.2.18 for IBM Virtualization Capacity reporting For current status of IBM validated releases see <a href="http://public.dhe.ibm.com/software/passportadvantage/SubCapacity/BFI_and_HCL_FAQ.pdf">http://public.dhe.ibm.com/software/passportadvantage/SubCapacity/BFI_and_HCL_FAQ.pdf</a>	10.0.0.0
User interface visual changes	User interface visual changes in line with HCL brand	10.0.0.0
Update of the end of support dates for IBM software	Information about the end of support dates is refreshed for the IBM software basing on the IBM Lifecycle data	10.0.0.0
Usability improvement to the user interface	To improve user experience, the following name changes are applied. <ul style="list-style-type: none"> <li>• Scan Health is renamed to Software Scan Health</li> <li>• Missing Software Scan is renamed to Missing Scan</li> <li>• IBM Capacity Data Completeness is renamed to Capacity Scan Health</li> <li>• IBM Software Classification is renamed to Software Classification</li> <li>• The Latest Software Scan column is renamed to Last Software Change</li> </ul>	10.0.0.0

### Defect fixes

For the 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
<a href="#">KB0076873</a>	Hyper-V VM Managers go "Invalid credentials - suspended" even though the credentials work fine.	VM Managers behavior corrected and issue resolved.	10.0.0.0
<a href="#">KB0076850</a>	Wrong format for the Metric Quantity column in All Metric Report	Number format for the Metric Quantity column is in line with other number formats	10.0.0.0
<a href="#">KB0076241</a>	App error while trying to suppress multiple rows of software	Suppress option for multiple rows working properly and no error is displayed.	10.0.0.0
<a href="#">KB0075708</a>	Incorrect date time zones produced by Collect Detailed Hardware Information fixlet	Date stamp collection corrected for the Collect Detailed Hardware Information fixlet	10.0.0.0

<a href="#">KB0075619</a>	Import failing at ETL step related to UsageManager - on Linux	Import runs successfully for this step and configuration	10.0.0.0
<a href="#">KB0075451</a>	Out of Memory issues may occur	IBM WebSphere Application Server Liberty was upgraded to higher version and issue is addressed	10.0.0.0
<a href="#">KB0074869</a>	Large amount of Registered User metric causes slow data import time	Improved import time for large amount of Registered User metric	10.0.0.0
<a href="#">KB0074818</a>	Duplicated entries when a template signature is updated	Issue with duplicated entries resolved	10.0.0.0
<a href="#">KB0074707</a>	Adobe Animate CC discovered due to incorrect signature definition.	Signature for other component was corrected to not discover Adobe Animate CC	10.0.0.0
<a href="#">KB0074700</a>	Microsoft System Center Configuration Manager 2012 is reported using scclient.exe	Discovery method corrected to exclude client	10.0.0.0
<a href="#">KB0074748</a>	Incorrect MySQL Server version detected	Correct MySQL Server version discovery	10.0.0.0
<a href="#">KB0074686</a>	Old edition still reported after Microsoft SQL Server reinstallation	Old edition of Microsoft SQL Server 2016 is not reported after it is replaced with new edition	10.0.0.0
<a href="#">KB0074643</a>	CIT installation files permissions issue	CIT installation files have correct permissions	10.0.0.0
BI-79	Error when sending email may crash scheduler	Scheduler working properly	10.0.0.0
BI-142	Icon for CIT signatures in Catalog Customizations is misleading	Updated icon in Catalog Customizations for Extended Signature	10.0.0.0
BI-174	Non admins cannot get Support Data despite it is documented in Doc	Non-admin user with proper permission has this option available now	10.0.0.0
BI-386	Supplementary fix for to KB0073588 - change the processors view to handle incorrect data	Incorrect data is properly handled	10.0.0.0
BI-456	Incorrect Logs during FileFact Import - all the time Processed 0% of files	Logs are corrected	10.0.0.0
BI-367	Remove bzip2 from Install Scanner	Install Scanner fixlet does not include bzip2	10.0.0.0
BI-384	Disconnected Scanner for IBMi fixlet description contains incorrect build version	Correct build version in Disconnected Scanner for IBMi fixlet description	10.0.0.0

BI-60	Template signatures based on package version are incorrectly generated when package version is like '9.0 (6028)'	Correct template signatures are generated	10.0.0.0
BI-27	Sybase Adaptive Server Enterprise 15.7 - existing signature expect "SAP" in name of product, whereas name does not contain it	Signature updated to assure correct discovery	10.0.0.0
BI-104	Wrong file name in the CIT signature for SQL Data Compare component	Signature updated to assure correct discovery	10.0.0.0
BI-281	Disk2Vhd 2.1 should have version 2.01	Component Version is 2.01 Detailed Component Version stays in line with file version 2.1.	10.0.0.0
IJ21245	After upgrading to 9.2.17, the server cannot be accessed with the following message: We are sorry, but something went wrong.	<a href="#">IJ21245</a>	10.0.0.0
IJ21162	Incorrect end of support date for IBM MQ 9.0.	<a href="#">IJ21162</a>	10.0.0.0
IJ21140	The partition cores reported on the Hardware Inventory report do not match the CPU Core Subcapacity Limit on the IBM PVU Subcapacity report for machines on Amazon public cloud.	<a href="#">IJ21140</a>	10.0.0.0
IJ21123	Schema update fails with compatibility level check error reported in tema.log.	<a href="#">IJ21123</a>	10.0.0.0
IJ21002	When importing capacity scan with the future date, the import of current scans fails.	<a href="#">IJ21002</a>	10.0.0.0
IJ20158	When config.sso.debug is enabled, a clear text password is shown in team.log.	<a href="#">IJ20158</a>	10.0.0.0
IJ19979	Import of data fails with the following error: INFO: ETL from Data Source - SAM::ScanFile ERROR: Sequel::CheckConstraintViolation: The UPDATE statement conflicted with the CHECK constraint "ckt_sam__scan_files_scd".	<a href="#">IJ19979</a>	10.0.0.0
IJ19901	Central VM Manager Tool is incorrectly determined when using the BigFix disaster recovery model with the DSA server as a backup existing in the environment.	<a href="#">IJ19901</a>	10.0.0.0
IJ21042	Software scan based on package data fails on Solaris servers due to missing implementation of IPS repository for package data collection.	<a href="#">IJ21042</a>	10.0.0.0

IJ20419	Fixlets related to VM managers are not relevant on Debian OS.	<a href="#">IJ20419</a>	10.0.0.0
IJ17980	The Run Capacity Scan and Upload Results (9.2.15.0) fixlet shows the -1 exit code. The fixlet action script shows the following information:--- Completed wait sh -c "' {parameter "homefolder" as string}/runcit_tlm_hw.sh' > '{parameter "logfilepath" as string}' 2>&1" Failed continue if {exit code of action = 0}	<a href="#">IJ17980</a>	10.0.0.0
IJ20761, IJ20776	The vendor information is not collected by the capacity scan because the newer version of BIOS is available on the physical server.	<a href="#">IJ20761</a> <a href="#">IJ20776</a>	10.0.0.0
IJ20098	Capacity scan does not collect information about BIOS.	<a href="#">IJ20098</a>	10.0.0.0
196556	Scanner upgrade on Windows 2019 fails with the following message: Can't execute command "'C:\Program Files\tivoli\cit\bin\wscanfg.exe" -enable all', result was: 0 Exec "'C:\Program Files\tivoli\cit\bin\wscanfg.exe" -enable all' returned -1 *** Error: could not restart CIT. Installation failed, rolling back Done.	Scanner upgrade successful	10.0.0.0
196412	The capping values of CPU pool, LPAR group and tenant resource group are not converted or are incorrect.	Capping values corrected	10.0.0.0
196379	The disconnected scanner scans the paths defined as \$DOCKER_EXCLUDED_PATHS.	Paths corrected	10.0.0.0
196332	Using the disconnected scanner on a machine with locale suffix set to @euro causes the scan failure with a 255 error and the following message:COULD NOT LOAD A TRANSCODING SERVICE	No scan failure in the described scenario	10.0.0.0
196207	The warning that is displayed during import is not clear: WARN: Can't find component : #<SAM::ComponentLifecycleEntry:0x43f7cf2>	Warning message corrected	10.0.0.0

## Security enhancements

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

- WebSphere Liberty updated to v. 19.0.0.11 - CVE-2019-4304, CVE-2019-4305, CVE-2019-4441, CVE-2014-3603

- IBM Java JRE updated to v. 8.0.6 (in all relevant components and tools) - CVE-2019-2989, CVE-2019-2958, CVE-2019-2975
- Updated Ruby on Rails libraries:
  - rubyzip to v. 1.3.0 - CVE-2019-16892
  - nokogiri (internal fix) - CVE-2019-5477
  - loofah to v. 2.3.1 - CVE-2019-15587
- unboundid-ldapsdk JAR updated to v. 4.0.14 - CVE-2018-1000134
- bcprov-jdk15on, bcprov-jdk15on JARs updated to v. 1.62 - CVE-2018-1000180, CVE-2018-1000613
- excon updated to v. 0.71 - CVE-2019-16779
- rack updated to v. 2.0.8 - CVE-2019-16782
- rake updated to v. 12.3.3 - CVE-2020-8130
- crass updated to v. 1.0.5 (dependencies)
- jackson-databind vulnerable JAR library removed - CVE-2019-12086, CVE-2019-12384, CVE-2019-12814, CVE-2019-14379, CVE-2019-14439, CVE-2019-14540, CVE-2019-16335, CVE-2019-16942, CVE-2019-16943, CVE-2019-17267, CVE-2019-17531

### VM Manager Tool version and changes

The version of the VM Manager Tool that is used with this application update is 10.0.0.0.

### Scanner version and changes

The version of the scanner that is used with this update is 9.2.18.0000.

The version of the disconnected scanner that is used with this update is 10.0.0.0 with one exception for disconnected scanner for IBM I version is 9.2.18.0.

### Support for new systems and hypervisors

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

Supported systems and hypervisors	Requirements
DB2 11.5	Supported as BigFix Inventory server database. Upgrade considerations: it is required to upgrade BigFix Inventory server to v10 first, and then upgrade DB2
Disconnected scanner on CentOS 8 Disconnected scanner on Oracle Enterprise Linux 8 with Red Hat Compatible Kernel Disconnected scanner on Debian 10 x86 and x64	

Disconnected scanner on SLES 15 on zSystems	
IBM z15	
AMD Epyc processor	
zCX (System Z Container Extensions)	
Nutanix on x86 with AHV	

## 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](https://help.hcltechsw.com/bigfix/10.0/inventory/welcome/BigFix_Inventory_welcome.html)