

## BigFix Inventory 10.0.6.0 Release Notes

This document provides information about the BigFix Inventory application update 10.0.6.0. 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	145	Yes
BigFix Inventory Software Catalog (main version)	10.0.6.0	Yes
BigFix Inventory Software Catalog (version on endpoint)	2638648	Yes
BigFix Inventory Server	10.0.6.0	Yes
BigFix Inventory Server: ILMT Core library	9.2.24.0	Yes
BigFix Inventory Server: ILMT Catalog	9.2.24.0	Yes
BigFix Inventory Scanner	<u>9.2.24.1000 (Windows)</u> 9.2.24.0000 (other platforms)	Yes Yes
BigFix Inventory Disconnected Scanner	10.0.6.0 9.2.24.0 (for IBM I)	Yes Yes
BigFix Inventory VM Manager Tool	10.0.6.0	Yes
SAP Metric Data Collector	10.0.6.0	Yes

### Allowed upgrade path

Minimal version recommended for direct upgrade path: 9.2.16

For version older than 9.2.16 upgrade first to 10.0.2 through available fixlet.

### Changes to contract management

We continue bringing better contract management experience to our clients. In this release there are several improvements implemented as well as some defects fixed. Including adding ability to create or update contract through Rest API and through CSV file import. There is also a new feature allowing to migrate old contracts to new improved contract management and support for ELA (Enterprise License Agreement). The old contract management has been disabled starting this release.

### Changes to shared disks scan configuration

A mechanism has been added to prevent the misuse of Initiate Software Scan on Shared Disk using the Console.

BigFix Inventory since 9.2.12 version provides automation to manage the status of computers and scans. It is recommended to use this capability where Initiate Software Scan on Shared Disk is managed by BigFix Inventory.

Furthermore, '.snapshot' directory has been added to the default exclusion list for new installations. This directory is special directory on some share disks that should be not scanned as contains time-based copies of the disk.

## Included Software Catalog

This release includes Software Catalog version 10.0.6.0 with capability to discover around 500 new software versions.

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\\_2021\\_09.pdf](https://software.bigfix.com/download/tema/catalog/changelist/BFI_catalog_changelist_2021_09.pdf)

## Modified content

The version number of the fixlet is: 10.0.6.0

*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
- Upgrade to the interim version 10.0.2 of BigFix Inventory if version older than 9.2.14
- Software Catalog Update (if BFI not upgraded)
- Install or Upgrade Scanner
- Install or Upgrade Scanner in private mode on Windows
- Install SAP Metric Data Collector
- Update SAP Metric Data Collector
- Install VM Manager Tool
- Update VM Manager Tool
- Install Additional VM Manager Tool (OPTIONAL)
- Download the Disconnected Scanner Package for IBM I
- Download the Disconnected Scanner Package
- Download BigFix Inventory (10.0.6.0)

*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 on Shared Disks
- Collect Detailed Hardware Information
- Get Microsoft Exchange Edition
- Initiate Collection of SAP Metric Data
- Initiate Software Scan
- Run Capacity Scan and Upload Results
- Upload Software Scan Results
- Get Oracle Concurrent Sessions Number
- Get Oracle Features

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

- Identify Computers on Public Clouds
- Interrupt BigFix Inventory Software Scans

## Enhancements and important changes

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

Abstract	Description	Available since
Products & Metrics – Set Product's Default Metric for Bundling Assistant management	Extended 'Product & Metrics' report UI options for setting product's default metric for bundling assistant. New 'Default Metric' column added to the report.	10.0.6.0
Disabled deprecated Contract Management reports by default.	Deprecated Contract Management reports are disabled by default. Reports such as Software Installations, Software Exploration, Contracts Usage Data and Management Contracts are now hidden by default. To re-enable the deprecated features, change the value of "deprecated_contracts_mgmt_enabled" parameter to "true" in Advanced Server Settings.	10.0.6.0
Calculate current contract value in UTC	The Current Contract Value and Next Entitlement Value of a contract are calculated based on UTC time zone.	10.0.6.0
Contract management via REST API	Added functionality to get, add and update contracts with purchase orders using new REST API: /api/sam/v2/contracts.json. Additionally, support for ELA values in purchase orders is added and unique identifiers for contracts and purchase orders are introduced. The new REST API (PUT operation) does not support non-ASCII characters like national language letters.	10.0.6.0
Contract migration and CSV import	Added functionality to create and update contracts with a data imported from a CSV file.  Added functionality to migrate deprecated contracts to new, improved contracts with one button click.	10.0.6.0
IBM Virtualization Capacity reporting equivalent	BigFix Inventory 10.0.6.0 is equivalent to IBM License Metric Tool (ILMT) 9.2.24 for IBM Virtualization Capacity reporting For status of IBM validated releases see following <a href="#">BFI FAQ Document</a> .	10.0.6.0
Fixlet to search for and terminate all running scan actions	Added Troubleshooting fixlet 114 Interrupt BigFix Inventory Software Scans to interrupt scans (background parts)	10.0.6.0
Warning pop up in share drive scan fixlet in case shared disks are not specified	Protection against unintentional scanning of all mounted share disks	10.0.6.0

Splunk Universal Forwarder versions 7.x and 8.x	New discovery capability on Linux and Windows discovering Splunk Universal Forwarder versions 7.x and 8.x	10.0.6.0
EOS for .Net Core	Added EOS (End of Support) dates for .Net Core software	10.0.6.0
Discovery for Apache TomEE	Discovery of Apache TomEE (1.7, 7.0, 7.1, 8.0, 9.0) was made and Apache Tomcat discovery (from 7.0 to 10.0) got improved to no longer report TomEE as Tomcat	10.0.6.0
Support EOS dates for Template Signatures	EOS dates can now be displayed immediately after Component is generated from Template Signature	10.0.6.0
Updated BFI software scan exclusion list	Updated default exclusion list for software scans to ignore '.snapshot' directories by default for new Linux machines	10.0.6.0
Updated PVU table	Updated Processor Value Unit table to version 9.2.24.0	10.0.6.0

## 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
<b>Server updates</b>			
<a href="#">KB0091385</a>	Exporting tables from "Management > VM Managers" to PDF or CSV lacks translation of status code in the Connection Test Status column: translation missing: en.activemodel.attributes.sam.vm_manager.status.'-102	The issue is fixed.	10.0.6.0
<a href="#">KB0092554</a>	Upgrade to BigFix Inventory 10.0.5 fails if the "All Computers" group has license usage calculations disabled	The issue is fixed. Moreover, the case when license usage calculations are disabled after upgrade is also correctly handled.	10.0.6.0
<a href="#">KB0092588</a>	Truststore location and password parameters requirements are wrongly displayed (in case JavaScript disabled) in Internet Explorer but not in Chrome on database creation and configuration phase.	The issue is caused by disabled JavaScript, no-script error message displayed. JavaScript must be enabled on IE settings as a workaround of the defect.	10.0.6.0
<a href="#">KB0092812</a>	Data Pruning - all records are erased at once instead of done in chunks. This is causing huge transaction logs and long execution time.	Data Pruning is split and committed in chunks.	10.0.6.0
<a href="#">KB0092644</a>	After activation of the MultiCloud Support on the BigFix Platform side for the computer hosting BigFix Platform Server and BigFix Inventory VM Manager Tool following capabilities: Managing VM Manager connection, Test Connections are blocked	The issue is fixed	10.0.6.0
<a href="#">KB0092546</a>	Some details of Extended Hardware REST API are not working	Conditions on which REST API endpoints data are prepared were updated. Now they are looser and are prepared in proper place in application initialization.	10.0.6.0

<a href="#">KB0093047</a>	False detection on duplicated UUID on AIX	Duplicated UUIDs detection is corrected after the first import after upgrade.	10.0.6.0
<a href="#">KB0093108</a>	The installation of BigFix Inventory fails at the "Changing default keystore password" step.	Achived via Java upgrade to 8.0.6.35	10.0.6.0
<a href="#">IJ31178</a>	SLM tag files might be reported as correct files by data import despite containing issues preventing their successful processing.	Reporting was corrected.	10.0.6.0
BI-6875	Upgrade failing when MS SQL database user have no privileged to manage MS SQL Agent Jobs	There is possible to upgrade when current permission of database user is not allowing to create / update MS SQL Agent jobs.	10.0.6.0
BI-7106	EOS Import hit predefined in past dates restriction - 2001 is already 20 years ago. There was constraint during EOS dates import relative to current date. This lead to rejecting EOS more than 20 years ago ( <i>WARN: End of support date out of scope: </i> ).	The issue is fixed	10.0.6.0
BI-6283	In some time zones after selecting a date in New/Edit Contract dialog the date changes to one day before the selected date.	The issue is fixed.	10.0.6.0
BI-6946	Cannot show a list of contracts in All Contracts panel when any contract is assigned to a computer group which was created after last successful data import.	The issue is fixed.	10.0.6.0
BI-6797	Cannot determine hierarchy of deeply nested computer groups in Add/Edit Contract dialog because long and deeply nested computer group names are trimmed.	The issue is fixed. A horizontal scroll bar appears when there is any long or deeply nested computer group in the computer group dropdown.	10.0.6.0
BI-6790	Software picker in Add/Edit Contract dialog trims long software names in the search result list without possibility to see whole software name.	The issue is fixed. A horizontal scroll bar appears when a software name exceeds width of the software search result list.	10.0.6.0

BI-6793	User cannot unset the metric on edit contract modal dialog. The only option is to set different one.	This issue is fixed. Now when metric is already chosen new option is shown in metric dropdown, <not set> which allows to clear/unset metric selection.	10.0.6.0
BI-6794	Cannot set negative number in a custom field on edit contract modal dialog.	This issue is fixed. User can type minus in front of number on integer and float custom fields.	10.0.6.0
BI-5883	0 values in CSV and PDF Usage per Computer reports when there is no usage	The issue is fixed by displaying empty value instead of 0.	10.0.6.0
BI-6499	All Contracts/Purchase Orders - 'Delete' button doesn't get enabled as expected	The issue has fixed	10.0.6.0
BI-5903	Cannot assign a component instance to a product via public API	The issue is fixed.	10.0.6.0
BI-6350	Reimport took hours in ILMT Core 'IBMAggregationHandler' in 'PreInventoryMoveDataStep'	The issue is fixed	10.0.6.0
BI-5177	If the installation or upgrade of the Inventory server fails on a certain post-installation step, some of the server binaries are stored in a temporary server subdirectory of the installation directory. If the upgrade to the newer version of the server is started afterward, new binaries are added to the ones that already exist in the server subdirectory. The upgrade might be successful, but the BigFix Inventory will not be operational.	The issue is fixed	10.0.6.0
BI-6258	500 Internal Server Error for the POST requests containing invalid time zone	The issue is fixed	10.0.6.0
BI-6600	The Computer group filter in All Contracts view did not show hierarchy of the computer groups. Because of that computer groups with the same name could not be distinguished.	The issue is fixed	10.0.6.0
<a href="#">Scanner updates</a>			



<a href="#">IJ32101</a>	Some Intel Hexa-core CPUs, such as i5-8600T, i5-8500, and i7-8850H are assigned 100 PVUs, despite all i3, i5, i7 CPUs being worth 70 PVUs.	The problem does not occur.	10.0.6.0
<a href="#">IJ31903</a>	Not enough information is provided in case when the scanner does not have sufficient rights to collect all required hardware information from the Solaris systems.	An appropriate warning is added in the scanner and the server data import log.	10.0.6.0
199195	The scanner discovers only 4 cores per chip on SPARC T5-2.	The problem does not occur.	10.0.6.0
199011	Installation of the disconnected scanner fails on Windows with following error. Initial hardware scan failed with error -1073740940	The problem does not occur.	10.0.6.0
<a href="#">Content updates</a>			
<a href="#">KB0093463</a>	Software Catalog Update fixlet breaks freshly upgraded BFI instance leading to database corruption	Software Catalog Updates not longer conduct additional cleanup actions, only place the new catalog.	10.0.6.0
<a href="#">Catalog updates</a>			
<a href="#">KB0092760</a>	The Citrix Storefront 1811.0 signature inaccurately matches to the configurationzipmanager.exe file. There are duplicate components for the Citrix StoreFront.	Duplicated components for Citrix StoreFront with worse quality were deleted. Components which provide better discovery were left in the Catalog.	10.0.6.0
<a href="#">KB0092323</a>	The BEA WebLogic Server discovery was catching false positives due to incorrect filter.	BEA WebLogic Server discoveries (from 8.1 up to 10.0) were improved. The filter doesn't use * anymore but more exact wording so only the correct software gets discovered.	10.0.6.0
BI-6619	Discovery of Oracle WebLogic Server only detect standard installations	Oracle WebLogic Server discoveries (12.1.* and 12.2.*) were improved and they currently distinguish between different installation media	10.0.6.0

BI-6329	Oracle WebLogic Server Enterprise Edition discoveries caused an error in customer citlog.xml file	Discovery of the Oracle WebLogic Server Enterprise Edition for versions 10.3, 12.1, 12.2 was improved and doesn't cause any errors in the citlog.xml file.	10.0.6.0
BI-6693	Component for Magic ISO Maker 5.3. had platform set to "ANY" instead of "Windows" which caused warnings in the logs.	Platform for the component was set to "WINDOWS".	10.0.6.0
<a href="#">KB0093614</a>	Detection of the BMC Control-M Agent 9.0 was based on the folder name which can be changed and lead to false positives or lack of detection.	Now discovery is based on CONFIG.dat file which contains version information.	10.0.6.0
<a href="#">KB0093294</a>	Discovery for Oracle Database 19c doesn't work correctly	Fixed discovery capability of Oracle Database 18c , 19c and 21c to support both software with updates installed and without them.	10.0.6.0
<b>Document updates</b>			
BI-5922	Updated the document about support for Hyper-V, Red Hat Virtualization, Citrix Hypervisor 8.x, VMware vSphere Hypervisor ESXi , and Fujitsu.	<a href="#">What's New System Requirements</a>	10.0.6.0
<a href="#">KB0093166</a>	Added a duplicate link <a href="https://help.hcltechsw.com/bigfix/10.0/inventory/Inventory/problem/t_duplicated_uuids.html">https://help.hcltechsw.com/bigfix/10.0/inventory/Inventory/problem/t_duplicated_uuids.html</a> along with <a href="https://help.hcltechsw.com/bigfix/10.0/inventory/Inventory/problem/t_duplicate_uuids.html">https://help.hcltechsw.com/bigfix/10.0/inventory/Inventory/problem/t_duplicate_uuids.html</a> so that users can access both, the application and their bookmark (if they have done so).	<a href="#">Duplicate UUID</a>	10.0.6.0
BI-6715	Added information about BFI reindexing job to be running for version below 10.0.4. Also, added links to configure and start SQL Server Agents for reference.	<a href="#">Database index rebuilding</a>	10.0.6.0

BI-5977	<p>Updated the document for:</p> <ul style="list-style-type: none"> <li>• Add information for analysis and warnings associated with the task when run sub-optimally</li> <li>• Configure NAS shared drives through exclusion</li> <li>• Remind the user to send in UTC or otherwise take into account the system clock on the endpoint when sending actions</li> </ul>	<a href="#">Discovering software on shared disks</a>	10.0.6.0
<a href="#">KB0093153</a>	Removed an empty URL as the same was not required and was a repetition.	<a href="#">Coexistence of BigFix Inventory and License Metric Tool in the same infrastructure</a>	10.0.6.0
<a href="#">KB0091963</a>	Replaced the incorrect IBM link with the correct one that includes a list of all products that deliver .slmtag files.	<a href="#">Other IBM Metrics</a>	10.0.6.0

## Security enhancements

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

- Bouncy Castle to version 1.67 - CVE-2020-15522
- IBM Java Runtime upgraded to version 8.0.6.35
- IBM WebSphere Liberty upgraded to version 21.0.0.8

## VM Manager Tool version and changes

The VM Manager Tool version that is used with this update is 10.0.6.0.

## Scanner version and changes

The scanner version that is used with this update is 9.2.24.1000 for Windows and 9.2.24.0000 for other platforms. The disconnected scanner version that is used with this update is 10.0.6.0 and 9.2.24.0 for IBM I.

## Supported new systems and hypervisors.

Support is introduced for the following platforms and systems:

- Fujitsu Cloud IaaS Instance

Support is also added for BIOS limits on the following hypervisors that are installed on bare metal:

- Hyper-V (all supported versions)
- Red Hat Virtualization (managed by Red Hat Virtualization Manager)
- Citrix Hypervisor 8.x
- VMware vSphere Hypervisor ESXi (all supported versions)

## Discontinued systems and hypervisors.

Support **is dropped** for the following systems and hypervisors.

- CentOS 6
- Debian 8
- VMware vSphere 6.0

Support **is dropped for Internet Explorer 10**. This web browser is no longer supported by Microsoft and BigFix Platform 9.5, 10.0 as well. For more details, see <https://docs.microsoft.com/en-us/lifecycle/announcements/internet-explorer-10-end-of-support>.

## 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)