

BigFix Inventory 11.0.5.0 Release Notes

This document provides information about the BigFix Inventory application update 11.0.5.0. The update is cumulative and contains changes provided in the previous updates.

Name of the component	Version	Updated in this Release
BigFix Inventory Site (NEW SITE!)	10	Yes
BigFix Inventory Server	11.0.5.0	Yes
BigFix Inventory Server: ILMT Core library	9.2.40.0	Yes*
BigFix Inventory Server: ILMT Catalog	9.2.40.7-20250602-1741	Yes*
BigFix Inventory Server Software Catalog	20250908	Yes*
BigFix Inventory Scanner Software Catalog - Major	2638956	Yes*
BigFix Inventory Scanner	11.0.40.0 BigFix Scanner is available under the new BigFix Scanner site.	N/A
BigFix Inventory Disconnected Scanner	11.0.5.0 9.2.40.0 on IBM I	Yes Yes
BigFix Inventory Container Solution Packages	11.0.5.0	Yes
BigFix Inventory VM Manager Tool	11.0.5.0	Yes
SAP Metric Data Collector	11.0.5.0	Yes
BigFix Inventory Image Scanner Script	11.0.5.0	Yes
BigFix Inventory Image Scanning Service (formerly known as BigFix Inventory Scanner Service)	11.0.5.0	Yes
BigFix Inventory Cloud Adapter	11.0.5.0	Yes
Software Data Harvesting Tool for BigFix Inventory	1.1	No
BigFix Inventory Keystore Migration Tool	1.0	No
BigFix Inventory Utility	1.1	No

* Included in the server installation package

Allowed upgrade path

Starting from release 11.0.0.0, server updates are available from a new BigFix Inventory site, and catalog updates are available from a new BigFix Inventory Discovery site.

Starting from release 11.0.2, Scanner is available from a new BigFix Scanner site.

It is recommended to upgrade the BigFix Inventory server and tools frequently to benefit from new features and security fixes. Please plan at least one upgrade per year.

BigFix Inventory Server allows the direct upgrades from a limited number of past releases. For version 11.0.5, the minimal version for direct upgrade path is 10.0.15.0.

For more information about supported systems, refer to the [Detailed System Requirements](#).

Scan Actions Compatibility with BigFix Inventory Server

Initiate Software Scan and Upload Software Scan Results require BigFix Inventory Server 10.0.4 or higher!

For optimized Data Import of file facts, both actions were updated to not collect delta result files that are no longer used since BigFix Inventory Server 10.0.4 (released 2021) and are unnecessarily transferred. Those files were retained for backward compatibility reasons until now.

If the BigFix Inventory server version you are using is lower than 10.0.4, please:

- Plan to upgrade the BigFix Inventory Server to the latest version
- Make a backup of the Initiate Software Scan and Upload Software Scan Results actions you are currently using in your environment to be able to recreate them if necessary.

Computer owner detection

To support effective management of computers, installed software, and license usage, BigFix Inventory introduces a computer owner detection feature for Windows systems.

The feature identifies the primary user by monitoring interactive logins to Windows computers.

In order for this data to be visible in BigFix Inventory:

1. *Run Capacity Scan and Upload Results* and *Upload Software Scan Results* Fixlets need to be updated to version 11.0.5
2. *Upload Software Scan Results* has to be configured to use the *Continuous Discovery Processing* mode.

The detected owner is displayed in the *Detected Computer Owner* column in the following reports:

- Computers (visible by default)
- Software summary
- Software classification, visible by default in predefined reports:
 - Software: Inactive for more than 1 month
 - Software: Inactive for more than 3 months
 - Software: Inactive for more than 6 months
- Unified Software View
- Usage per Computer
- Package Data
- Scanned File Data
- Metering Data
- Oracle Databases
- Resource Utilization
- Software Users
- Hardware Inventory

Continuous Discovery Processing enhancements

The *Continuous Discovery Processing* scope is extended with signatureless Mac Software Discovery and software discovery on shared disks. Those software instances can be explored now on the same day shortly after the scan data is available on the BigFix server.

Additionally, only *Continuous Discovery Processing* mode propagates the *Detected Computer Owner* information for Windows devices.

To benefit from the changes, upgrade the BigFix Inventory server and *Upload Software Scan Results* action to version 11.0.5.

Inactive Software management

To help reduce cost of software licensing, multiple improvements have been introduced to identify inactive software instances which can be candidates for uninstallation.

Improvements include the following new features:

- *Inactive Software Instances* chart in the *Inventory Dashboard*
- *Usage Monitoring Healthy* report column and *is_usage_healthy* API property
- *Usage Actively Monitored* report column and *is_usage_active* API property
- Three dedicated software reports for inactive software instances

***Inactive Software Instances* chart**

The new *Inactive Software Instances* chart presents a number of inactive software instances for three periods: more than 1, 3 and 6 months. Clicking on the chart bars or legend items redirects to one of the corresponding new software reports, which presents details of the inactive software instances.

***Usage Monitoring Healthy* report column**

The column indicates whether monitored usage data have been successfully collected and processed by BigFix Inventory for a computer within 14 days. The value is refreshed during data import. The column is available in *Computers*, *Software Classification* and related software reports as well as in BigFix Inventory API as *is_usage_healthy* property.

***Usage Actively Monitored* report column**

The column indicates whether the usage of the software component version and the operating system of a software component instance is actively monitored. The value is refreshed during data import.

The column is available in *Software Classification* and related software reports as well as in BigFix Inventory API as *is_usage_active* property.

Inactive Software reports

The following new software reports have been created:

- Software: Inactive for more than 1 month
- Software: Inactive for more than 3 months
- Software: Inactive for more than 6 months

These reports contain a set columns and filters dedicated to identifying inactive software instances for the respective period, especially taking advantage of the new report columns: *Usage Monitoring Healthy* and *Usage Actively Monitored*.

The reports present software instances only with actively monitored usage and installed on computers with healthy usage monitoring. Additionally, software instances discovered within the last 14 days prior to the latest data import are excluded.

Included Software Catalog

Catalog updates are available from the BigFix Inventory Discovery site, and BigFix Inventory server version 11.x is required for all subsequent catalog releases.

BigFix Inventory server package includes Software Catalog version 20250908.

For catalog content details, refer to the catalog release notes:

<https://support.bigfix.com/bfi/BigFix-Inventory-Catalog-20250908-ReleaseNotes.pdf>

Modified content

The version number of the Fixlet is: 11.0.5.0

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

- Upgrade to the latest version of BigFix Inventory
- Update the VM Manager Tool
- Update the SAP Metric Data Collector
- Install the VM Manager Tool
- Install the SAP Metric Data Collector
- Install the Additional VM Manager Tool
- Download the Disconnected Scanner Package for IBM i
- Download the Disconnected Scanner Package
- Download the BigFix Inventory Container Solution Packages
- Download BigFix Inventory
- Download the PVU table (*if BigFix Inventory is not upgraded*).

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:

- Get Oracle Database Measurements
- Run Capacity Scan and Upload Results
- Initiate Software Scan
- Upload Software Scan Results
- Force Reupload of Software Scan Results

The following Fixlets were updated:

- Identify Computers on Public Clouds

Enhancements and important changes

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

Abstract	Description	Available since
Idea [BFINV-I-443] Export contracts to CSV for further CSV import	The <i>Export Selected Contracts</i> option is added in the All Contracts panel to generate a CSV file with the contract data, including purchases, software products and custom fields. The file format is compatible with contract CSV import. Note: customizations in Metric Measurement values are not exported. For more details, check Exporting contracts .	11.0.5.0
Idea [BFINV-I-439] Filter Spend dashboard by Publisher, Software Product, Project and Cost Center	You can narrow down data displayed in <i>Spend</i> Dashboard using a filter to choose a software product, a publisher, a cost center or a project, for example to verify expenses for a given publisher or analyze spend trend for a given cost center. For more details, check Spend Overview documentation .	11.0.5.0
Idea [BFINV-I-432] Separate permission for managing contract custom fields and metric custom fields, different from Manage Contracts permission	Now, only users with <i>Manage Custom Fields</i> permission can add and delete contract custom fields and metric custom fields. Manage Contracts permission is still required to edit values of these fields (in a contract or for a license metric). By default, <i>Manage Custom Fields</i> permission is assigned to the Contract Managers role but the configuration may be adjusted if necessary.	11.0.5.0
<i>Reports</i> dashboard widgets unified with <i>Spend</i> dashboard	<i>Reports</i> dashboard was updated to be in line with <i>Spend</i> dashboard while preserving its functionality.	11.0.5.0
Unification of <i>Computers per OS</i> and <i>End of Support Status</i> charts	<i>Inventory Dashboard: Computers per OS</i> and <i>End of Support Status</i> charts have been adjusted for consistency with other dashboard charts.	11.0.5.0
Support for NTT Data OpenCanvas public cloud	Now it is possible to designate VMs in NTT Data OpenCanvas as working on a public cloud to get benefit of IBM Public Cloud licensing. The designation is supported in Disconnected Scanner and in <i>Identify Computers on Public Cloud</i> Fixlet.	11.0.5.0
Support for Windows Server 2025 by BigFix Inventory Server and VM Manager Tool	Now it is possible to install BigFix Inventory Server and VM Manager Tool on Windows Server 2025 based devices.	11.0.5.0
BFI Server support for RHEL 9 with systemd & dropping support for RHEL 6	RHEL 9.2 or a higher 9.x version is fully supported for both installation and upgrade from older versions. BigFix Inventory 11.0.5.0 moved from initd to systemd thus support for RHEL 6 has been dropped, RHEL 7 and 8 are both going to use systemd for BFI from now on. Direct upgrade Fixlet and download BigFix Inventory Fixlet are now both available on the RHEL 9 system.	11.0.5.0

[Continuous Discovery Processing] Updated upload Fixlets and analysis to support Mac packages in a file	Updated <i>Upload Software Scan Results</i> Fixlet so that when <i>Continuous Discovery Processing</i> is enabled it will upload results as file (bfiswfacts.tar.gz zip).	11.0.5.0
[Continuous Discovery Processing] Update upload fixlets to support shared disks scans files	Updated <i>Upload Software Scan Results</i> and <i>Force Reupload of Software Scan Results</i> scan Fixlets so that when <i>Continuous Discovery Processing</i> is enabled it will upload shared disks scans using new files names and format (i.e., shared_1_bfiswfacts.tar.gz zip). One file for each scanned shared disk on a computer.	11.0.5.0
[Continuous Discovery Processing] Filtering the <i>Software Classification</i> report using the <i>Component Evidence</i> column.	It is now possible to filter results on the <i>Software Classification</i> panel using the <i>Component Evidence</i> column.	11.0.5.0
[Continuous Discovery Processing] Source of Discovery for Continuous Discovery processing	Information about the source of discovery (<i>Local Disk</i> or <i>Shared Disk</i>) is presented in the <i>Instance details</i> section in the <i>Details</i> panel.	11.0.5.0
[Continuous Discovery Processing] Filtering of files that repeatedly fail to download	The BigFix Inventory Server does not repeat downloads of bfiswfacts.tar.gz/zip files if the download fails.	11.0.5.0
BigFix Inventory Scanner Service name change	The <i>BigFix Inventory Scanner Service</i> component was renamed to <i>BigFix Inventory Image Scanning Service</i> . The component is part of the BigFix Inventory Software Discovery in Containers solution.	11.0.5.0
Idea[BFINV-I-407]Hostname has been added to mustgather file name	Mustgather files now include the computer's hostname for easier identification.	11.0.5.0
Information about duplicated computers is available in the Computers report in column <i>Duplicated</i>	Duplicated computers are identified by their name and IP address. A duplicated computer that was created most recently is marked with a column value 'Yes - Latest'. Older duplicated computers are marked with a column value 'Yes - Older'. Not duplicated computers are marked with a column value 'No duplicates'.	11.0.5.0
Update of IBM components	Following IBM components have been updated: <ul style="list-style-type: none"> ILMT Core and catalog import libraries to 9.2.40 (released June 2025 by IBM) 	11.0.5.0
IBM Virtualization Capacity reporting equivalent	BigFix Inventory 11.0.5.0 is equivalent to IBM License Metric Tool (ILMT) 9.2.40.0 for IBM Virtualization Capacity reporting. The update covers IBM sub-capacity calculation, IBM Catalog, PVU and Scanner parity. For the status of IBM validated releases, see the following BFI FAQ Document .	11.0.5.0

Unification of terminology related to IBM Cloud Paks, IBM FlexPoints and other IBM product bundles	Terminology used in BigFix Inventory for IBM Cloud Paks, IBM FlexPoints and other IBM product bundles was unified to IBM Product Bundle.	11.0.5.0
Information about IBM product bundle conversion ratio is more prominent on the reports	Column <i>IBM Product Bundle Conversion Ratio</i> was added to the <i>Software Classification</i> report. This column contains information on conversion ratio between an IBM product metric and an IBM Product Bundle to which this product is bundled.	11.0.5.0
The <i>Limiting scope of automated scan</i> mode for discovering software on shared disks was marked as deprecated	The <i>Limiting scope of automated scan</i> mode for discovering software on shared disks was marked as deprecated and may be removed in the future. The preferable mode is <i>Optimized mode - Automatic scanning of remote shared disks</i> .	11.0.5.0
Common Vulnerabilities and Exposures (CVE) - support for NVD JSON 2.0 schema	The supported NVD data feed has been changed to JSON 2.0. The JSON 1.1 schema is no longer accepted and processed by the Inventory server 11.0.5	11.0.5.0
A new <i>Usage Monitoring Healthy</i> report column.	A new <i>Usage Monitoring Healthy</i> report column has been created. The column is available in <i>Computers</i> , <i>Software Classification</i> and related reports. It indicates whether monitored usage data have been successfully collected and processed by BigFix Inventory for a computer within 14 days. It is also available via API.	11.0.5.0
A new <i>Usage Actively Monitored</i> report column.	A new <i>Usage Actively Monitored</i> report column has been created. The column is available in <i>Software Classification</i> and related reports. It indicates whether the usage of the software component version and the operating system of a software component instance is actively monitored. It is also available via API.	11.0.5.0
The <i>Has Usage</i> column has been deprecated.	The <i>Has Usage</i> column which is available in the <i>Software Classification</i> and related reports has been deprecated and will be removed in the future. It is recommended to use the new <i>Usage Actively Monitored</i> and <i>Usage Monitoring Healthy</i> columns instead.	11.0.5.0
New software reports dedicated to identifying inactive software instances.	Three new software reports have been created to help to reduce software license costs by identifying inactive software instances as candidates for uninstallation. The reports are named <i>Software: Inactive for more than 1/3/6 months</i> and present software inactive respectively for more than 1, 3 and 6 months.	11.0.5.0
A new <i>Inactive Software Instances</i> chart added to the <i>Inventory Dashboard</i> .	A new <i>Inactive Software Instances</i> chart added to the <i>Inventory Dashboard</i> . It presents a number of inactive software instances for more than 1, 3 and 6 months and provides links to the respective inactive software reports.	11.0.5.0

Defect fixes

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

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

ID	Symptoms	Behavior after you install the update	Available since
KB0106702	The software discovery details are inaccurate and fail to identify the specific facts and signatures necessary for proper software discovery, particularly in cases involving <code>.swidtag</code> files.	With Continuous Discovery Processing enabled, the details of the discovery's cause can be accurately reviewed in the details panel.	11.0.5.0
KB0122446	Disconnected scan files are not deleted when <code>delete_successfully_imported_scans</code> setting is set to <code>true</code> .	Disconnected scan files are properly deleted.	11.0.5.0
KB0119789	MacOS software data is imported with errors, data is inconsistent.	MacOS software data import has been redesigned and improved. The fix and improvement is available in the <i>Continuous Discovery Processing</i> mode only.	11.0.5.0
BI-31834	Grid header on all contracts or contract reports is misaligned when user does not have edit permissions	The alignment is correct so that the elements do not overlap.	11.0.5.0
BI-32403	Filtering by publisher name on purchase orders works incorrectly.	Filter is fixed to return correct rows and count.	11.0.5.0
KB0123568	Error during user provisioning	Successfully able to provision a new user after the changes	11.0.5.0
KB0119791	Import step ImportCapacity fails with deadlock errors	Import step ImportCapacity no longer fails with deadlock errors	11.0.5.0
KB0123549	There was a null pointer exception when comparing versions in the Continuous Discovery Processing	Null pointer exception is not present in this scenario.	11.0.5.0
BI-32799	Missing CIT Facts discovery on shared disks	CIT Facts discovery on shared disks is calculated properly.	11.0.5.0
KB0123847	Software Missing from Software Classification when there are orphan rows in the <code>sam.signatures</code> Table	Adding cleanup logic before ETL for cleaning up records from <code>sam.isotag_rules</code> for which there are no matching signatures in <code>sam.signatures</code>	11.0.5.0

KB0123989	CIT facts data import fails in the CitRuleMatch step with the CheckConstraintViolation error	The import of CIT data finishes successfully.	11.0.5.0
KB0123599	VM Manager Tool fails to collect data from VMware VM managers with API version below 6.7 when Oracle Measurements Data collection is enabled.	Data from VMware VM managers is successfully collected.	11.0.5.0
KB0123641	Isotag ETL Step running slowly during Isotags cleanup	Cleanup will be executed only if necessary and its performance was improved.	11.0.5.0
KB0113425	Computer Name link on VM Managers panel links to incorrect computer ID in case of ID change	Updated the Computer Name link to be a text and not link in case the computer is deleted or reset in the VM Managers Panel of BFI Server.	11.0.5.0
BI-33593	ISO tags data import fails with "Cannot insert duplicate key" error	The import of ISO tags data finishes successfully.	11.0.5.0

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

ID	Symptoms	Behavior after you install the update	Available since
BI-33304	Internet Explorer entry appears on Package Data even when Disabled	With updated <i>Initiate Software Scan</i> there will be reported entry <i>Internet Explorer - Disabled</i> when either IE is replaced by Edge (iexplorer.exe still on disk) or feature <i>Internet-Explorer-Optional-amd64</i> is known to OS and not installed.	11.0.5.0
BI-33679	"Bad substitution" error for "Initiate Software Scan" when there is not enough disk space on endpoint	The <i>Initiate Software Scan</i> task correctly logs information about insufficient disk space	11.0.5.0

Important! For the BigFix Inventory Scanner APARs and other defects that are fixed *refer to the Scanner Release Notes*

<https://support.bigfix.com/scanner/BigFix-Scanner-11.0.40.0-ReleaseNotes.pdf>

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

ID	Symptoms	Behavior after the update	Available since
KB0119800	Missing info on Ovirt permissions and login format	Updated information about Oracle Linux Virtualization Manager. Doc links: https://help.hcl-software.com/bigfix/11.0/inventory/Inventory/admin/t_adding_new_vm_managers.html https://help.hcl-software.com/bigfix/11.0/inventory/Inventory/admin/oVirt_virtualization.html https://help.hcl-software.com/bigfix/11.0/inventory/Inventory/admin/c_vm_managers.html	11.0.5.0
KB0121897	Update the document with registry path	Added the registry paths. Doc links: https://help.hcl-software.com/bigfix/11.0/inventory/Inventory/planinconf/c_types_software_scans.html https://help.hcl-software.com/bigfix/11.0/BigFix_Scanner/BigFix_Scanner/developer/package_information.html	11.0.5.0
KB0121188	Setting SSO documentation needs update	Corrected the step numbers in the document. Structured the information to provide clear information on the type of configurations. Doc links: https://help.hcl-software.com/bigfix/11.0/inventory/Inventory/security/t_configuring_single_sign-on_settings.html https://help.hcl-software.com/bigfix/11.0/inventory/Inventory/security/t_configuring_sso_adfs.html	11.0.5.0
KB0121940	No info about Cloud Paks not being supported in Contracts panel	Added information about Cloud Paks and FlexPoints not being supported in the Contracts panel. Doc links: https://help.hcl-software.com/bigfix/11.0/inventory/Inventory/softinv/c_improved_contracts.html	11.0.5.0
KB0120772	Incorrect value for field SERVER_URL_SSO in Documentation for Configuring SSO in BFI	Updated the document with the correct format of SERVER_URL_SSO to be configured in the server.env file. Doc link: https://help.hcl-software.com/bigfix/11.0/inventory/Inventory/security/t_configuring_claim_rule.html	11.0.5.0
KB0120445	Correction in BFI product documentation for removing inactive computers from BigFix	The link points to a page where there are details regarding the BES Computer Remover Utility. Doc links: https://help.hcl-software.com/bigfix/11.0/inventory/Inventory/admin/t_removing_inactive_computers.html	11.0.5.0

KB0094410	VM Manager Tool installation requirements	Added the VM Manager Installation Requirement topic, https://help.hcltechsw.com/bigfix/10.0/inventory/Inventory/admin/r_vmm_reqs.html is now updated.	11.0.5.0
KB0122951	Reinstalling with existing database documentation incorrect	Removed the logs. https://help.hcl-software.com/bigfix/11.0/inventory/Inventory/admin/t_reinstall_existing_db.html	11.0.5.0
KB0121756	Missing info about UUID for computers on Public Cloud being deleted from capacity scans	Added information about UUID tag. https://help.hcl-software.com/bigfix/11.0/inventory/Inventory/admin/t_identifying_public_clouds.html https://help.hcl-software.com/bigfix/11.0/inventory/Inventory/planinconf/t_initiating_capacity_scan.html https://help.hcl-software.com/bigfix/11.0/inventory/Inventory/integration/r_get_computer_systems.html?hl=uuid	11.0.5.0
BFP-29712	Broken link "Installing clients on Linux™ and UNIX™ computers"	Corrected the links "Installing clients on Linux™ and UNIX™ computers" on the page, https://help.hcl-software.com/bigfix/10.0/inventory/Inventory/planinconf/c_installing_clients.html	11.0.5.0

Security enhancements

- WebSphere Liberty updated to version 25.0.0.8 with applied IFPH67132 fix
- IBM Java Runtime Environment for BigFix Inventory Server, BigFix Inventory Cloud Adapter, BigFix Inventory Scanner Service and BigFix Inventory SAP Metric Data Collector updated to version IBM Semeru Runtime Open Edition 17.0.16.0
- IBM Java Runtime Environment for BigFix Inventory VM Manager Tool updated to version IBM Semeru Runtime Open Edition 8.0.462.0
- Spring Boot updated to version 3.5.5
- Spring Framework updated to version 6.2.10
- The commons-lang3 library updated to version 3.18.0
- Rails framework updated to version 7.2.2.2

VM Manager Tool version and changes

The VM Manager Tool version that is used with this update is 11.0.5.0.

Scanner version and changes

The scanner version that is used with this update is 11.0.40.0 for scanner supported platforms. For details, refer to the scanner release notes

<https://support.bigfix.com/scanner/BigFix-Scanner-11.0.40.0-ReleaseNotes.pdf>

The disconnected scanner versions that are used with this update are 11.0.5.0 and 9.2.40.0 for IBM i.

Changes to supported systems

Added support for the following platforms and systems for the BigFix Inventory server:

- Red Hat Enterprise Linux (RHEL) Server 9.2 or a higher 9.x version
Initscripts package is no longer required as the server now uses systemd instead of init.d.
- Windows Server 2025 by BigFix Inventory Server and VM Manager tool when WMIC command is disabled (default).

Added support for the following platforms and systems for the managed devices:

- Red Hat Enterprise Linux 10 on IBM Power by using the disconnected scanner
- Red Hat Enterprise Linux 10 on zSystems by using the disconnected scanner
- Red Hat Enterprise Linux 10 on x86_64 by using the disconnected scanner and BigFix agent
- Red Hat Enterprise Linux 9 and 10 as operating systems supported by disconnected VM Manager Tool
- IBM i 7.6 by using the disconnected scanner
- CentOS Stream 10 x86_64 by using the disconnected scanner
- NTT Data OpenCanvas public cloud.

Support for following platforms is discontinued starting from BigFix Inventory v11.0.5:

- Red Hat Enterprise Linux (RHEL) Server 6 for BigFix Inventory server.
- Oracle Enterprise Linux 7 for the managed devices.

For more information about BigFix Inventory supported systems, refer to the [Detailed System Requirements](#).

Documentation

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

https://help.hcl-software.com/bigfix/11.0/inventory/welcome/BigFix_Inventory_welcome.html