BigFix Scanner 11.0.38.1 Release Notes

This document provides information about the BigFix Scanner update 11.0.38.1.

The update is cumulative and contains changes provided in the previous updates of the scanner.

Name of the component	Version	Updated in this Release
BigFix Scanner Site (NEW SITE!)	4	Yes
BigFix Inventory Scanner	11.0.38.1 on all supported platforms	Yes

First time use of BigFix Scanner site

If the BigFix Scanner site is not visible, then execute the following steps.

1. Refresh the BigFix license to get access to the new site. Follow the procedure described in [Extending the license entitlements](#).
2. Enable the BigFix Scanner site.
3. Subscribe the site to 'All Computers.'

IMPORTANT! After the BigFix Scanner Site activation, run the <u>one-time</u> action: '*Create Scanner Wrapper for Scanner version 11.0.0.0 (9.2.35) or lower'* for all relevant endpoints. If this action was already run during the previous update, then it can be ignored now. This action enables the use of the new BigFix Scanner site content, <u>including Analysis</u>.

Then follow the standard install and upgrade procedure using the *Install or Upgrade scanner* Fixlet from the BigFix Scanner site.

Changes related to scanner fixlets, tasks, and analyses

The BigFix Scanner package and related fixlets are now available from a new BigFix Scanner site.

With this change, the scanner is prepared to be shared with other BigFix solutions and is enabled for independent delivery in the future.

The BigFix team published a set of articles explaining the change. See the BigFix Scanner 11.0.38.0 release notes for details https://support.bigfix.com/scanner/BigFix-Scanner-11.0.38.0-ReleaseNotes.pdf

Enabling Preview Features for BigFix Scanner

This release includes the preview of the new **Windows File System Cache** to be used by existing BigFix Inventory actions.

The preview feature employs a new cache mechanism (File System Monitoring Cache) designed to keep updated directory, file, path, and size information within the new SQLite cache database through

scheduled refreshes. These refreshes are configured with a default interval of one hour, although the precise execution timing is dependent on system resources like the processor usage and the scale of the file system being monitored.

Applications can then retrieve information relatively quickly about file changes, additions, or deletions without repeatedly querying the file system.

The *Activate Preview Features* fixlet is available to activate the preview feature. This optional task is not applicable for any other previous version of the Scanner.

The Scanner has to be previously installed with the "Install or Upgrade Scanner" Fixlet, then the preview feature can be activated. The activation of the new feature consists of the following actions:

- Deployment of the BigFix Scanner - Service executable for the new additional capabilities (bf-scanner.exe)
- Installation of the BigFix Scanner - Service
- Merging of scanner exclusions with the existing ones on the endpoint
- Starting the bf-scanner service
- Enforce to use new cache mechanism (provider_bfscanner)

After successful activation of the feature, the new cache mechanism is used, and the collected file system scan data can be utilized by existing BigFix Inventory actions and is accessible to any other application that requires it.

The preview feature can be deactivated through the Fixlet "Deactivate Preview Features" which reverts to the default cache mechanism and removes the new executable and related tools previously installed.

The new feature is supported on Windows 10 or higher and Windows Server 2016 or higher only.

For details, refer to the documentation [https://help.hcl-](https://help.hcl-software.com/bigfix/11.0/BigFix_Scanner/BigFix_Scanner/overview/scanner_preview_features.html)

[software.com/bigfix/11.0/BigFix_Scanner/BigFix_Scanner/overview/scanner_preview_features.html](https://help.hcl-software.com/bigfix/11.0/BigFix_Scanner/BigFix_Scanner/overview/scanner_preview_features.html)

Modified content

The version number of the Fixlet is 11.0.38.1.

The following Fixlets and Analyses are available in the BigFix Scanner site:

Fixlets
- Install or Upgrade Scanner **[updated]**
- Uninstall Scanner **[updated]**
- Create Scanner Wrapper for Scanner version 11.0.0.0 or lower
- Cleanup Scanner Installations 11.0.0 (9.2.35) or lower
- (Deprecated) Change Scanner Cache Folder
- Activate Preview Features (Windows only currently) **[NEW]**
- Deactivate Preview Features **[NEW]**
- Edit Scanner Trace Settings **[updated]**
- Configure Scan Cache **[updated]**

- Add Excluded Directories **[updated]**
- Remove Excluded Directories **[updated]**
- Collect Logs from Endpoints **[updated]**
- Install or Upgrade Scanner (9.2.35.0) (Superseded) **[NEW]**
- Analyze the Relevance of a Fixlet or Task

Analyses
- Excluded Directories
- Scanner Information **[updated]**
- Scanner Trace Settings **[updated]**

Enhancements and important changes

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

Abstract	Description	Available since
New Scanner Capabilities - Technical Preview	A new cache mechanism (File System Monitoring Cache) has been introduced. This new mechanism keeps updated directory, file, path and size information periodically in the new SQLite cache database. Selection of the new cache is optional.	11.0.38.1
New and Updated Fixlets and Analysis	New Fixlets are available to enable and disable the Technical Preview feature. Fixlets and Analysis in BigFix Scanner Site have been updated to manage all related functionalities and properties of the new feature (see "Modified content" section in this document).	11.0.38.1
Introduced ability to deploy 9.2.35 on older systems	There has been introduced general availability of deploying Scanner last release of 9.2 line to support Linux systems with older version of libraries: ● glibc.so.6 < 2.17 (Symbol Version 2.17) ● libstdc++ < 6.0.19 (Symbol Version 3.4.19) Fixlet 1 Install or Upgrade Scanner also receives support for BigFix Client setting "_BFScanner_PreventUpgrades" to lock the version of the Scanner per device.	11.0.38.1

Defect fixes

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

	Symptoms	Behavior after you install the update	Available since
KB0115763	Having entry with xfs first and then secfs2 (dummy) on the same mount point discards the mount point from the scan	Dummy file systems entries in mount are always ignored in reduceDriveList method	11.0.38.1

KB0110163	Incomplete scan resulting from an unexpected stop	The scan pre-validates if the available disk space exceeds the configured minimum required space (128 kB by default) and ends the scan with log "Insufficient disk space detected during scan!" if such a problem occurred instead of generic error.	11.0.38.1
KB0120671	Cannot analyze the relevance of fixlets in "BigFix scanner" site	Added "Analyze the Relevance of a Fixlet or Task" fixlet into the BigFix Scanner Site	11.0.38.1
BI-28907	Windows filenames with unpaired surrogates are not representable	Inability to correctly handle Windows filenames. This behavior is documented as Windows OS limitation at: https://help.hcl-software.com/bigfix/11.0/BigFix_Scanner/BigFix_Scanner/overview/limitations.html	11.0.38.1
BI-28745	Software scanner Installation fails with missing GLIBCXX and GLIBC libraries	BigFix Scanner 11.x requires on Linux x86 ● glibc.so.6 >= 2.17 (Symbol Version 2.17) ● libstdc++ >= 6.0.19 (Symbol Version 3.4.19) Dedicated checks have been introduced to Fixlet 1 Install or Upgrade scanner and there has been added Fixlet 200 Install or Upgrade Scanner (9.2.35.0) (Superseded) to allow deployment of the last 9.2 version on older systems.	11.0.38.1
BI-27161	Fixlet Collect Logs from Endpoints fails to collect installation log	The way to find installation log to be included in the gathered information has been improved.	11.0.38.1

Security enhancements
No update

Scanner version and changes
The scanner version that is used with this update is 11.0.38.1 for all supported platforms.

Changes to supported systems

No changes in this release.
For more information about the supported systems, refer to the BigFix Scanner documentation
https://help.hcl-software.com/bigfix/11.0/BigFix_Scanner/BigFix_Scanner/Installation/supported_managed_devices.html
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Documentation

For more information about how to install, maintain, and use the scanner, refer to the new BigFix Scanner user documentation: https://help.hcl-software.com/bigfix/11.0/BigFix_Scanner/index.html.