

## BigFix Scanner 11.0.42.1 Release Notes

This document provides information about the BigFix Scanner update 11.0.42.1.

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!) | 11                                   | Yes                     |
| BigFix Scanner                  | 11.0.42.1 on all supported platforms | Yes                     |

### BigFix Scanner includes BigFix Scanner Service by default

Deploying default BigFix Scanner means installation of additional Windows service. Please consult and agree within wider IT teams rollout of this across the environment. Some systems might monitor introducing new service on Windows endpoints and trigger alerts.

To continue upgrading or conducting the installation of the Wscan only part of the BigFix Scanner use the already existing *Fixlet 1 Install or Upgrade Scanner - Wscan Only (11.0.42.1) (Superseded)*. Its title is adjusted to manifest its scope.

This is superseded by Fixlet 103: Install or Upgrade Scanner (11.0.42.1), which installs or upgrades both the Service and Wscan components simultaneously.

Consequently, devices running either the 11.0.39.0 Preview Feature or versions 11.0.40.0 through 11.0.42.0 (with both components enabled) are not relevant for the older *Fixlet 1: Install or Upgrade Scanner - Wscan Only (11.0.42.1) (Superseded)*. Once Fixlet 103 is deployed, the endpoint is no longer eligible for Fixlet 1, and all future component upgrades must be performed together.

To revert back to Wscan Only deployment:

- If exclusions customization was made use the Excluded Directories analysis to copy the exclusions set currently applied
- Uninstall both the Scanner components with Fixlet 4 “Uninstall Scanner”
- Install Scanner with Fixlet 1 “Install or Upgrade Scanner - Wscan Only”
- Apply the exclusions again

Upgrade process is extended with creation of backup of Service executable and databases, and ability to restore it with the use of a dedicated *Fixlet 1011 BigFix Scanner Service restore from backup (Windows)* in case of failure. This requires additional disk space for storing backup of Service executable and databases located in `C:\Program Files (x86)\BigFix Enterprise\BES Client\tools\scanner\db`. The “*Fixlet 103 Install or Upgrade Scanner (11.0.42.1)*” contains relevance to ensure sufficient disk space for upgrade operation.

Re-activated the Preview Feature fixlets for the installation and uninstallation of the Scanner Service on macOS. This update provides administrators with streamlined, automated control over scanner deployment and removal specifically for macOS endpoints.

## First time use of the 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.'

## Modified content

The version number of the Fixlet is 11.0.42.1.

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

### Fixlets

- Install or Upgrade Scanner
- BigFix Scanner Service restore from backup (Windows) **[Updated]**
- BigFix Scanner Service Restart/Stop/Start
- Install or Upgrade Scanner - Wscan Only (Superseded)
- Install or Upgrade Scanner - Wscan Only (9.2.35.0) (Superseded)
- Configure Scanner Service
- Wscan CPU Threshold Setting
- Activate Preview Features
- Add Excluded Directories
- Remove Excluded Directories
- Uninstall Scanner
- Create Scanner Wrapper for Scanner 11.0.0.0 or lower
- Cleanup Scanner Installations 11.0.0 (9.2.35) or lower
- (Deprecated) Change Scanner Cache Folder
- Deactivate Preview Features
- Edit Scanner Trace Settings
- Configure Scan Cache
- Collect Logs from Endpoints
- Analyze the Relevance of a Fixlet or Task

### Analyses

- File Scan Statistics – Scanner Service
- Scanner Information
- Excluded Directories
- Scanner Trace Settings

## Enhancements and important changes

This release does not include any enhancements.

## Defect fixes

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

|                           | Symptoms   | Behavior after you install the update  | Available since |
|---------------------------|--|--|-----------------|
| <a href="#">KB0130507</a> | Cache2 scanner fails to scan subfolders on secfs2 filesystems mounted under a parent xfs filesystem.   | Scans now correctly include secfs2 overlay files that share a path with an underlying mount.                                       | 11.0.42.1       |
| BI-38752                  | Wscan could inspect JAR archive with maximum size of 1 MB  | Wscan can now inspect JAR with maximum size of 200 MB and read file inside archive with size limit of 2 MB                         | 11.0.42.1       |
| BI-39827                  | Restore from backup fails if the /scanner/bin directory is missing. Uninstallation may delete this folder, causing the restore to fail.          | The restore from backup procedure correctly re-creates the /scanner/bin directory if missing, allowing successful restoration.     | 11.0.42.1       |
| BI-39427                  | Upload Module deletes the file after failed upload   | The Upload Module no longer deletes files after a failed upload; it only reports the failure to the requester.                     | 11.0.42.1       |
| BI-39267                  | FreeSpacePercent is collected for the wrong partition when a mount point is re-used by a different partition within the DevMon refresh interval. | FreeSpacePercent is accurately collected for each unique partition even when mount points change during the refresh interval.      | 11.0.42.1       |
| BI-39050                  | Partition size is reported incorrectly on macOS if another partition has reserved space within the same APFS container.                          | Partition size is now correctly calculated by accounting for reserved space of all partitions in the APFS container.               | 11.0.42.1       |
| BI-39040                  | Subfolders matching patterns like ?:/aaa/bbb/* configured in FSMon ExcludeDirectories are not excluded from the dir info table.                  | Subdirectories matching wildcard exclusion patterns are now correctly excluded from the file system scan cache.                    | 11.0.42.1       |
| BI-38981                  | Excessive noise in scanner logs with non-critical error messages   | Non-critical error messages are filtered out, and logs only display essential errors that require attention, reducing log clutter. | 11.0.42.1       |

|          |  |   |           |
|----------|--|---|-----------|
| BI-38968 | The "Configure Scan Service" fixlet is incorrectly listed in the Installation fixlet table (Table 1) with a shorter/wrong name.  | The fixlet is corrected to "Configure Scanner Service" and moved to the appropriate table (Table 3 – Other Fixlets).                | 11.0.42.1 |
| BI-38967 | Documentation for the Real Time File scan configuration section incorrectly states "Supported via CLI only", even though the "Configure Scanner Service" fixlet supports this configuration since 11.0.42.0. | Documentation updated to reflect "Supported via CLI and fixlet (Configure Scanner Service)" with corrected example headings.        | 11.0.42.1 |
| BI-38621 | Scanner version and date are not accessible from the database, making version checking impossible when Wscan is not available.   | Scanner version and date are now exposed in a database view, accessible via relevance statements.                                   | 11.0.42.1 |
| BI-38615 | External disks connected via USB hub on macOS are not detected by the bf-scanner service, even though they are visible to the OS via diskutil and system_profiler.   | The scanner's macOS disk detection logic is updated to discover and report disks connected via USB hubs.                            | 11.0.42.1 |
| BI-38328 | The drive type for external USB removable disks on macOS is incorrectly shown as "SSD" due to hard-coded logic, even when device properties do not indicate SSD.   | Drive type is now correctly derived from actual macOS device properties instead of hard-coded rules.                                | 11.0.42.1 |
| BI-38262 | Negative values are reported for Disk.TransfersPerSec on Mac.  | Negative values for Disk.TransfersPerSec are no longer reported; the metric correctly reflects non-negative transfer rates.         | 11.0.42.1 |
| BI-38073 | Improve robustness to memory handling  | Memory handling is improved with defensive handle validity checks, fixed handle leaks on error paths, and resolved race conditions. | 11.0.42.1 |
| BI-33433 | When changing a partition's drive letter while the scanner is running, the metrics table stops reporting the partition (though dev_partition is updated).  | The metrics table is now correctly updated when a partition drive letter changes, maintaining continuous metric reporting.          | 11.0.42.1 |

## Security enhancements

zLib library upgraded to version v1.3.2 to mitigate vulnerabilities.  
Upgraded Golang to version 1.25

## Scanner version and changes

The scanner version that is used with this update is 11.0.42.1 for all supported platforms.

## Changes to supported systems

This release does not introduce any changes to supported systems.

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](https://help.hcl-software.com/bigfix/11.0/BigFix_Scanner/BigFix_Scanner/Installation/supported_managed_devices.html).

## 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](https://help.hcl-software.com/bigfix/11.0/BigFix_Scanner/index.html).