

**BigFix  
Technical References**



## Special notice

Before using this information and the product it supports, read the information in [Notices \(on page xviii\)](#).

## Edition notice

This edition applies to BigFix version 10 and to all subsequent releases and modifications until otherwise indicated in new editions.

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# Chapter 1. SCAP Release Notes

Use this page to find information about the releases of BigFix® Compliance Security Configuration Automation Protocol (SCAP) tools, including certification details, new features, bug fixes, and SHA256 checksums for released files.

## Overview & Certification

**!** **Important:** BigFix® Compliance has successfully achieved SCAP 1.3 certification under the NIST SCAP Validation Program (Validation Number 148). This certification aligns BigFix with the latest NIST specifications and ensures continued compliance with federal and industry security automation standards. For more information, see the [NIST SCAP Validation Program](#).

**!** **Important:** Configure your anti-virus software and firewall to allow the executable files that are used by the SCAP tools. These files start processes when you import checklists or generate reports. Blocking these files causes the import and report operations to fail.

The SCAP tool files are located at the following path on the console:

```
[Path_to_Console]/Sites/SCM Reporting
```

## SCAP 1.2

Use this page to find information about the releases of BigFix® Compliance Security Configuration Automation Protocol (SCAP) 1.2 tools, including certification details, supported platforms, and SHA256 checksums for released files.

### SCAP Release date: 15 June, 2016

**Published site:** SCM Reporting, version 100

BigFix® Compliance Security Configuration received SCAP 1.2 certification for the following platforms:

- Red Hat Enterprise Linux 5 Desktop, 32-bit edition (x86)
- Red Hat Enterprise Linux 5 Desktop, 64-bit edition (x86\_64)

### SHA256 checksums for SCAP tool files

Use the SHA256 checksum values in the following table to verify the integrity of the SCAP tool files after you download them.

File name	SHA256 checksum
<code>ruby.exe</code>	62a02cd27eccc8f16e9396459ecb3bdec6dff9ee4bad20fa6b251c908dc74840

File name	SHA256 checksum
<code>scap2.exe</code>	cf4f3ae7e675be16b93494ccaf1b1730d90fccb02bba57f66f312242a2dc1187
<code>scap2results.exe</code>	dcb8436dad1b2fb9dc67c3872df5150c68d9f152f0897c44a177140e505b4d5
<code>scap_results.exe</code>	4f47d9943422371c7b4b16d4e853ad7f03810f9bf274836f8735222fbde2fe4c



**Note:** The checksum values in this table apply to a specific release version of the SCAP tools. The values change with each new published release.

## SCAP 1.3

Use this page to find information about the releases of BigFix® Compliance Security Configuration Automation Protocol (SCAP) 1.3 tools, including certification details, new features, resolved issues, and SHA256 checksums for released files.

### SCAP Release date: 12 May, 2026

**Published site:** SCM Reporting, version 168

#### Bug Fixes

- Reduced excessive Applicability Fixlet generation.
- Disabled the inline relevance comments.
- Fixed recurring UI script errors in Fixlets.
- Added error handling for all required command-line arguments.
- Fixed parameterization functionality in the Windows checklist.
- Incorporated source severity and category details.
- Fixed the Relevance logic associated with the applicability Fixlet.

### SHA256 Checksums for SCAP 1.3 Tool Files (May, 2026)

File name	SHA256 checksum
<code>main.exe</code>	8396883912cdf00e7be02e25b23cfae1e21c9dd9de02fe9cdc4ff4b2873f4172

### SCAP Release date: 2 Oct, 2025

**Published site:** SCM Reporting, version 162

#### New Components and Features

#### SCAP 1.3 Tool

- Built on a modernized Python-based architecture for faster and more reliable parsing of XCCDF, OVAL, and CPE files.
- Supports importing both CIS and DISA STIG benchmarks for Windows 10, Windows 11, Red Hat Enterprise Linux 8, and Red Hat Enterprise Linux 9 operating systems.
- Integrated Relevance Library and Relevance Generator for dynamic Fixlet creation.
- Produces standardized ARF (Asset Reporting Format) outputs for certification and reporting compliance.
- Provides complete accuracy and validation against SCAP 1.3 schemas and NIST benchmarks.

**SCAP 1.3 Wizard**

- Enhanced wizard interface now supports importing and executing SCAP 1.3 content directly from the BigFix Console.
- Processes CIS and DISA content structures.
- Streamlined benchmark and datastream selection workflow.

**ARF Reporting Integration**

- Generates SCAP-compliant ARF XML reports summarizing compliance results across multiple systems.
- Enables centralized compliance visibility by aggregating rule results per asset.
- Ensures interoperability with NIST tools, compliance dashboards, and external validation frameworks.
- Improves traceability and auditing through embedded benchmark metadata, evaluator details, and timestamps.
- Seamlessly integrates with BigFix Web Reports for SCAP result visualization.

**SHA256 Checksums for SCAP 1.3 Tool Files (Oct, 2025)**

File name	SHA256 checksum
main.exe	e93229dd3bce33599b86ca7fce59f3cb9f5ad90fbeb1ee23f0094f860f8bc66

# Chapter 2. SCA Release Notes

Use this page to find information about the releases of BigFix® Compliance Security Compliance Analytics (SCA), including new features, enhancements, fixed issues, and upgrade instructions.

## Overview

BigFix® Compliance Security Compliance Analytics (SCA), formerly known as BigFix® Compliance Analytics, is a web-based analytics and reporting component of BigFix® Compliance that aggregates check results, exceptions, and vulnerability data from endpoints across your deployment. The following sections list the new features, enhancements, and fixed issues for each release.

### BigFix Compliance Analytics version 2.0 Patch 18

Product	Release Version	Published Site
BigFix Compliance	BigFix Compliance Analytics version 2.0 Patch 18	SCM Reporting 170

*BigFix Compliance Analytics version 2.0 Patch 18 includes enhancement and fixes.*

### Highlights for Analytics version 2.0 Patch 18

- Upgrade to Sumeru Java 21.0.10\_7
- Upgrade to jRuby 10.0.5.0
- Upgrade to Rails 8.1.3
- Upgrade to WLP 26.0.0.3

### Enhancements Implemented

Defect Article	Issue Description
NA	Email notification to intimate Admin of SSL certificate Expiry

### Actions needed

Upgrade BigFix Compliance Analytics to version 2.0.18 to take advantage of the fixes. See [Installation and upgrade instructions \(on page 15\)](#).

### BigFix Compliance Analytics version 2.0 Patch 17

Product	Release Version	Published Site
BigFix Compliance	BigFix Compliance Analytics version 2.0 Patch 17	SCM Reporting 169

This release includes fixes for the following issues.

**Resolved issues**

Defect Article	Issue Description
<a href="#">KB0130358</a>	The import fails to manage the <code>display_name</code> values.
<a href="#">KB0130344</a>	BigFix Compliance Import Job fails with errors: <ol style="list-style-type: none"> <li>1. <code>Sequel::UniqueConstraintViolation: Java::Com-MicrosoftSqlServerJdbc::SQLException: Violation of PRIMARY KEY</code></li> <li>2. <code>RuntimeException: Unable to find Subscribed Sites analysis</code></li> </ol>

**Actions needed**

Upgrade BigFix Compliance Analytics to version 2.0.17 to take advantage of the fixes. See [Installation and upgrade instructions \(on page 15\)](#).

**BigFix Compliance Analytics version 2.0 Patch 16**

Product	Release Version	Published Site
BigFix Compliance	BigFix Compliance Analytics version 2.0 Patch 16	SCM Reporting 167

BigFix Compliance Analytics version 2.0 Patch 16 includes enhancement and fixes.

**Highlights for Analytics version 2.0 Patch 16**

- HotFixes
- PSIRTs
- Updated to Semeru Java v17.0.16.

This release includes fixes for the following issues.

**Resolved issues**

Defect Article	Issue Description
<a href="#">KB0128136</a>	BigFix Compliance failing on Entra ID SSO.
<a href="#">KB0128604</a>	BigFix Compliance data import is continuously failing on the server.
<a href="#">KB0127704</a>	User Provisioning Error.

Defect Article	Issue Description
NA	Logout button missing in Compliance while logged in through SSO.
NA	SCA computer group logic not working.
NA	Compliance server import fails after BigFix server is patched and rebooted.

**Actions needed**

Upgrade BigFix Compliance Analytics to version 2.0.16 to take advantage of the fixes. See [Installation and upgrade instructions \(on page 15\)](#).

**BigFix Compliance Analytics version 2.0 Patch 15**

Product	Release Version	Published Site
BigFix Compliance	BigFix Compliance Analytics <i>version 2.0 Patch 15</i>	SCM Reporting 165

*BigFix Compliance Analytics version 2.0 Patch 15 includes enhancements and fixes.*

**Highlights for Analytics version 2.0 Patch 15**

- Hotfixes
- PSIRTs.

*This release includes fixes for the following issues.*

**Resolved Issues**

Defect Article	Issue Description
<a href="#">KB0124591</a>	Import fails with the error "The query processor ran out of internal resources".
<a href="#">KB0124469</a>	SCA SSL Certificate Automation.
<a href="#">KB0122461</a>	Recurring issues with error "originally defined computers have been deleted".
<a href="#">KB0123758</a>	"Download NVD CVE Data Files" Fixlet not working.
<a href="#">KB0123594</a>	BigFix Compliance - Management: Computer Groups - Stuck on Loading but other pages are loading fine.
<a href="#">KB0124202</a>	Tem_Analytics DB consuming huge space on DB server and import failing.
<a href="#">KB0127024</a> ; <a href="#">KB0127405</a>	SCA Server not sending reports by mail.

**Actions needed**

Upgrade BigFix Compliance Analytics to version 2.0.15 to take advantage of the fixes. See [Installation and upgrade instructions \(on page 15\)](#).

### BigFix Compliance Analytics version 2.0 Patch 14

Product	Release Version	Published Site
BigFix Compliance	BigFix Compliance Analytics version 2.0 Patch 14	SCM Reporting 159

*BigFix Compliance Analytics version 2.0 Patch 14 includes enhancements and fixes.*

#### Highlights for Analytics version 2.0 Patch 14

- Upgrade Rails to 7.2.2.1
- Update JRE version to 8.0.8.45
- Update IBM WebSphere Application Server Liberty version to 25.0.0.7
- Mobile (Android, iOS) and ESXi support
- NVD source change for vulnerability data.

*This release includes fixes for the following issues.*

#### Resolved Issues

Defect Article	Issue key	Summary
<a href="#">KB0122461</a>	<a href="#">BSU-17671</a>	Compliance error <code>Error: 1 of the originally defined computers has been deleted.</code>
<a href="#">KB0121387</a>	<a href="#">BSU-17611</a>	Saved Report Configure view issue.
<a href="#">KB0121747</a>	<a href="#">BSU-17584</a>	Compliance report <code>savesas</code> default view.
<a href="#">KB0120746</a>	<a href="#">BSU-17449</a>	BigFix Compliance LDAP configuration issue.
<a href="#">KB0120156</a>	<a href="#">BSU-17279</a>	Compliance Vulnerability Data.
<a href="#">KB0116163</a>	<a href="#">BSU-16201</a>	Unexpected behaviour of Vulnerable Computers in Vulnerability Report.

#### Actions needed

Upgrade BigFix Compliance Analytics to version 2.0.14 to take advantage of the fixes. See [Installation and upgrade instructions \(on page 15\)](#).

## BigFix Compliance Analytics version 2.0 Patch 13

Product	Release Version	Published Site
BigFix Compliance	BigFix Compliance Analytics version 2.0 Patch 13	SCM Reporting 159

BigFix Compliance Analytics version 2.0 Patch 13 includes enhancements and fixes.

### Highlights for Analytics version 2.0 Patch 13

- Upgrade Rails to 6.1.7.9
- Update JRE version to 8.0.8.40
- Update IBM WebSphere Application Server Liberty version to 25.0.0.2.

This release includes fixes for the following issues.

### Resolved Issues

Defect Article	Issue Description
NA	IBM SDK Java Technology Edition version updated to 8.0.8.40 to address vulnerabilities: <a href="#">CVE-2024-10917</a> .
NA	IBM WebSphere Liberty package version updated to 25.0.0.2 to address vulnerabilities: <a href="#">CVE-2024-40094</a> .
<a href="#">BSU-16676</a>	Incomplete compliance import still running but not processing if server restarts.
<a href="#">BSU-16409</a>	Issue with the formatting of the CSV report from BigFix Compliance.
<a href="#">BSU-15585</a>	SCA import performance.
<a href="#">BSU-17005</a>	Compliance exceptions error.
<a href="#">BSU-16899</a>	Update Fixlet # 1005 - Download NVD CVE Data Files and include <code>nvdCVE-1.1-2025.json.gz</code> .
<a href="#">BSU-16557</a>	BigFix Compliance does not log out user when session timeout expires.
<a href="#">BFC-7733</a>	SCM Exceptions API to create or update an Exception.
<a href="#">BFC-7692</a>	Request to enhance subject line in Report Subscriptions.
<a href="#">BFC-7691</a>	Compliance Audit Logging.
NA	Updated CSP headers and missing anti-clickjacking headers.

### Actions needed

Upgrade BigFix Compliance Analytics to version 2.0.13 to take advantage of the fixes. See [Installation and upgrade instructions \(on page 15\)](#).

## BigFix Compliance Analytics version 2.0 Patch 12

Product	Release Version	Published Site
BigFix Compliance	BigFix Compliance Analytics version 2.0 Patch 12	SCM Reporting 180

BigFix Compliance Analytics version 2.0 Patch 12 includes enhancements and fixes.

### Highlights for Analytics version 2.0 Patch 12

- Upgrade Rails to 6.1.7.8
- Update JRE version to 8.0.8.30
- Update IBM WebSphere Application Server Liberty version to 24.0.0.8.

This release includes fixes for the following issues.

### Resolved Issues

Defect Article	Issue Description
NA	IBM SDK Java Technology Edition version updated to 8.0.8.30 to address vulnerabilities: <a href="#">CVE-2024-21147</a> , <a href="#">CVE-2024-21140</a> , <a href="#">CVE-2024-21144</a> , and <a href="#">CVE-2024-27267</a> .
NA	IBM WebSphere Liberty package version updated to 24.0.0.8 to address vulnerabilities: <a href="#">CVE-2024-22354</a> , <a href="#">CVE-2024-22353</a> , <a href="#">CVE-2024-27268</a> , <a href="#">CVE-2024-22353</a> , <a href="#">CVE-2023-50314</a> , <a href="#">CVE-2023-51775</a> , <a href="#">CVE-2024-21147</a> , <a href="#">CVE-2024-21145</a> , <a href="#">CVE-2024-21140</a> , <a href="#">CVE-2024-21144</a> , <a href="#">CVE-2024-21138</a> , and <a href="#">CVE-2024-21131</a> .
<a href="#">BSU-15745</a>	Vulnerabilities in SCA reported by federal customer (Security Assessment Team).
<a href="#">KB0116355</a> / <a href="#">BSU-16355</a>	Compliance Report PDF Export issue.
<a href="#">BSU-16101</a>	Update Fixlet # 1005 - Download NVD CVE Data Files to include relevance for Win2022.
<a href="#">BSU-15898</a>	BigFix Compliance REST API documentation lacking details on <code>scoped_historical</code> methods.
NA	Fixed the computer group listing issue in Firefox.
NA	Added support for KEV Content Pack in SCA.
NA	Added note to track deleted Exceptions in SCA.

### Actions needed

Upgrade BigFix Compliance Analytics to version 2.0.12 to take advantage of the fixes. See [Installation and upgrade instructions \(on page 15\)](#).

## BigFix Compliance Analytics version 2.0 Patch 11

Product	Release Version	Published Site
BigFix Compliance	BigFix Compliance Analytics version 2.0 Patch 11	SCM Reporting 157

BigFix Compliance Analytics version 2.0 Patch 11 includes enhancements and fixes.

### Highlights for Analytics version 2.0 Patch 11

- Upgrade Rails to 6.1.7.7
- Update JRE version to 8.0.8.20
- Update IBM WebSphere Application Server Liberty version to 23.0.0.12
- Scan issues are fixed in this release.

This release includes fixes for the following issues.

### Resolved Issues

Defect Article	Issue Description
NA	IBM SDK Java Technology Edition version updated to 8.0.8.20 to address vulnerabilities: <i>CVE-2023-44487, CVE-2024-20918, CVE-2024-20952, CVE-2023-33850, CVE-2023-50312, CVE-2023-46158, CVE-2024-27270, CVE-2023-44483, CVE-2023-33850, CVE-2024-30125, CVE-2024-30126, and CVE-2024-30127.</i>
<a href="#">BSU-15031</a>	Improved Java Heap Size memory usage during import of Patch and Vulnerabilities.
<a href="#">KB0110113</a> / <a href="#">BSU-14603</a>	Updated code to check the <code>SCA/Config/cacerts</code> folder for certificates; if the folder is not present, it will check <code>Java/lib/security/cacerts</code> during the upgrade.
NA	Pen testing (Security): Added <code>object-src 'none'</code> for response headers.
NA	The vulnerability report CSV export for a same-day issue is fixed.
NA	Added <code>X-Frame-Options SameOrigin</code> to the response header.
NA	Added code to disable HTTP endpoint to mark cookie secure.
NA	Added new patch sites to SCM Reporting.
NA	The last 2 column display issues are fixed in this release.

### Actions needed

Upgrade BigFix Compliance Analytics to version 2.0.11 to take advantage of the fixes. See [Installation and upgrade instructions \(on page 15\)](#).

## Installation and upgrade instructions

The following instructions apply to all BigFix Compliance Analytics 2.0 patch releases.

### First-time installation

1. In the License Overview Dashboard in the BigFix console (BigFix Management domain), enable the **SCM Reporting** site.
2. In the Security Configuration domain in the console, open the **Configuration Management** navigation tree.
3. Select the Fixlet named **BigFix Compliance Server 2.0 - First-time Install Fixlet** under the **BigFix Compliance Install/Upgrade** menu tree node.
4. Follow the Fixlet instructions and take the associated action to install your BigFix Compliance deployment.

### Upgrade installation

Refer to the prescribed upgrade steps for the BigFix Compliance version that you are using.



**Important:** Before you start any upgrade process, perform a server and database backup.

#### **For BigFix Compliance Analytics versions 1.9.x, 1.10.x and 2.0.x:**

1. Make sure that you complete the server and database backup.
2. It is recommended to stop the BigFix Compliance Server or at least disable scheduled Data Imports to ensure that Data Import is not in progress during the upgrade.
3. In the Security Configuration domain in the console, open the **Configuration Management** navigation tree.
4. Under the **BigFix Compliance Install/Upgrade** menu tree item, select the **BigFix Compliance Server 2.0 - Upgrade Fixlet**, which automatically installs and upgrades to the new version.
5. Follow the Fixlet instructions and take the associated action to upgrade your BigFix Compliance deployment.
6. Update the data schema. To do this, log in to the BigFix Compliance web interface from the host server and proceed with configuration. Upgrading the data schema is expected and it will take some time to complete.



**Note:** Automatic upgrade installation only affects installations running under the LocalSystem account. Follow the Fixlet instructions to install the update manually if this fix cannot be applied.

#### **For BigFix Compliance Analytics versions earlier than 1.9:**

1. Manually upgrade to version 1.10.1.48. The 1.10.1.48 installer can be found at <http://software.bigfix.com/download/bfc/server/1.10/bfc-server-1.10.1.48.exe>.
2. After manually upgrading to version 1.10.1.48, use the **BigFix Compliance Server 2.0 Upgrade Fixlet** to upgrade to version 2.0 (see step [BigFix Compliance Analytics versions 1.9.x, 1.10.x and 2.0.x \(on page 15\)](#)).

## More information

- BigFix Compliance Guides: [Compliance Setup Guide and User Guide](#).
- BigFix Forums - Release Announcements Channel: [Compliance Forum \(Release announcement\)](#).

# Appendix A. Support

For more information about this product, see the following resources:

- [BigFix Support Portal](#)
- [BigFix Developer](#)
- [BigFix Playlist on YouTube](#)
- [BigFix Tech Advisors channel on YouTube](#)
- [BigFix Forum](#)

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