

**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 11 and to all subsequent releases and modifications until otherwise indicated in new editions.

Contents

- Special notice..... ii
- Edition notice..... iii
- Chapter 1. SCAP Release Notes..... 5**
 - SCAP 1.2..... 5
 - SCAP 1.3..... 6
- Chapter 2. SCA Release Notes..... 8**
- Appendix A. Support..... 17**
- Notices..... xviii
- Index.....**

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

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
KB0128136	BigFix Compliance failing on Entra ID SSO.
KB0128604	BigFix Compliance data import is continuously failing on the server.
KB0127704	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
KB0124591	Import fails with the error "The query processor ran out of internal resources".
KB0124469	SCA SSL Certificate Automation.
KB0122461	Recurring issues with error "originally defined computers have been deleted".
KB0123758	"Download NVD CVE Data Files" Fixlet not working.
KB0123594	BigFix Compliance - Management: Computer Groups - Stuck on Loading but other pages are loading fine.
KB0124202	Tem_Analytics DB consuming huge space on DB server and import failing.
KB0127024 ; KB0127405	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
KB0122461	BSU-17671	Compliance error <code>Error: 1 of the originally defined computers has been deleted.</code>
KB0121387	BSU-17611	Saved Report Configure view issue.
KB0121747	BSU-17584	Compliance report <code>savesas</code> default view.
KB0120746	BSU-17449	BigFix Compliance LDAP configuration issue.
KB0120156	BSU-17279	Compliance Vulnerability Data.
KB0116163	BSU-16201	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: CVE-2024-10917 .
NA	IBM WebSphere Liberty package version updated to 25.0.0.2 to address vulnerabilities: CVE-2024-40094 .
BSU-16676	Incomplete compliance import still running but not processing if server restarts.
BSU-16409	Issue with the formatting of the CSV report from BigFix Compliance.
BSU-15585	SCA import performance.
BSU-17005	Compliance exceptions error.
BSU-16899	Update Fixlet # 1005 - Download NVD CVE Data Files and include <code>nvdCVE-1.1-2025.json.gz</code> .
BSU-16557	BigFix Compliance does not log out user when session timeout expires.
BFC-7733	SCM Exceptions API to create or update an Exception.
BFC-7692	Request to enhance subject line in Report Subscriptions.
BFC-7691	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: CVE-2024-21147 , CVE-2024-21140 , CVE-2024-21144 , and CVE-2024-27267 .
NA	IBM WebSphere Liberty package version updated to 24.0.0.8 to address vulnerabilities: CVE-2024-22354 , CVE-2024-22353 , CVE-2024-27268 , CVE-2024-22353 , CVE-2023-50314 , CVE-2023-51775 , CVE-2024-21147 , CVE-2024-21145 , CVE-2024-21140 , CVE-2024-21144 , CVE-2024-21138 , and CVE-2024-21131 .
BSU-15745	Vulnerabilities in SCA reported by federal customer (Security Assessment Team).
KB0116355 / BSU-16355	Compliance Report PDF Export issue.
BSU-16101	Update Fixlet # 1005 - Download NVD CVE Data Files to include relevance for Win2022.
BSU-15898	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>
BSU-15031	Improved Java Heap Size memory usage during import of Patch and Vulnerabilities.
KB0110113 / BSU-14603	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](#)

Notices

This information was developed for products and services offered in the US.

HCL may not offer the products, services, or features discussed in this document in other countries. Consult your local HCL representative for information on the products and services currently available in your area. Any reference to an HCL product, program, or service is not intended to state or imply that only that HCL product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any HCL intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any non-HCL product, program, or service.

HCL may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not grant you any license to these patents. You can send license inquiries, in writing, to:

HCL

330 Potrero Ave.

Sunnyvale, CA 94085

USA

Attention: Office of the General Counsel

For license inquiries regarding double-byte character set (DBCS) information, contact the HCL Intellectual Property Department in your country or send inquiries, in writing, to:

HCL

330 Potrero Ave.

Sunnyvale, CA 94085

USA

Attention: Office of the General Counsel

HCL TECHNOLOGIES LTD. PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some jurisdictions do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. HCL may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

Any references in this information to non-HCL websites are provided for convenience only and do not in any manner serve as an endorsement of those websites. The materials at those websites are not part of the materials for this HCL product and use of those websites is at your own risk.

HCL may use or distribute any of the information you provide in any way it believes appropriate without incurring any obligation to you.

Licensees of this program who wish to have information about it for the purpose of enabling: (i) the exchange of information between independently created programs and other programs (including this one) and (ii) the mutual use of the information which has been exchanged, should contact:

HCL

330 Potrero Ave.

Sunnyvale, CA 94085

USA

Attention: Office of the General Counsel

Such information may be available, subject to appropriate terms and conditions, including in some cases, payment of a fee.

The licensed program described in this document and all licensed material available for it are provided by HCL under terms of the HCL Customer Agreement, HCL International Program License Agreement or any equivalent agreement between us.

The performance data discussed herein is presented as derived under specific operating conditions. Actual results may vary.

Information concerning non-HCL products was obtained from the suppliers of those products, their published announcements or other publicly available sources. HCL has not tested those products and cannot confirm the accuracy of performance, compatibility or any other claims related to non-HCL products. Questions on the capabilities of non-HCL products should be addressed to the suppliers of those products.

Statements regarding HCL's future direction or intent are subject to change or withdrawal without notice, and represent goals and objectives only.

This information contains examples of data and reports used in daily business operations. To illustrate them as completely as possible, the examples include the names of individuals, companies, brands, and products. All of these names are fictitious and any similarity to actual people or business enterprises is entirely coincidental.

COPYRIGHT LICENSE:

This information contains sample application programs in source language, which illustrate programming techniques on various operating platforms. You may copy, modify, and distribute these sample programs in any form without payment to HCL, for the purposes of developing, using, marketing or distributing application programs conforming to the application programming interface for the operating platform for which the sample programs are written. These examples have not been thoroughly tested under all conditions. HCL, therefore, cannot guarantee or imply reliability, serviceability, or function of these programs. The sample programs are provided "AS IS," without warranty of any kind. HCL shall not be liable for any damages arising out of your use of the sample programs.

Each copy or any portion of these sample programs or any derivative work must include a copyright notice as follows:

© (your company name) (year).

Portions of this code are derived from HCL Ltd. Sample Programs.

Trademarks

HCL Technologies Ltd. and HCL Technologies Ltd. logo, and hcl.com are trademarks or registered trademarks of HCL Technologies Ltd., registered in many jurisdictions worldwide.

Adobe, the Adobe logo, PostScript, and the PostScript logo are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States, and/or other countries.

Java and all Java-based trademarks and logos are trademarks or registered trademarks of Oracle and/or its affiliates.

Microsoft, Windows, Windows NT, and the Windows logo are trademarks of Microsoft Corporation in the United States, other countries, or both.

Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.

UNIX is a registered trademark of The Open Group in the United States and other countries.

Other product and service names might be trademarks of HCL or other companies.

Terms and conditions for product documentation

Permissions for the use of these publications are granted subject to the following terms and conditions.

Applicability

These terms and conditions are in addition to any terms of use for the HCL website.

Personal use

You may reproduce these publications for your personal, noncommercial use provided that all proprietary notices are preserved. You may not distribute, display or make derivative work of these publications, or any portion thereof, without the express consent of HCL.

Commercial use

You may reproduce, distribute and display these publications solely within your enterprise provided that all proprietary notices are preserved. You may not make derivative works of these publications, or reproduce, distribute or display these publications or any portion thereof outside your enterprise, without the express consent of HCL.

Rights

Except as expressly granted in this permission, no other permissions, licenses or rights are granted, either express or implied, to the publications or any information, data, software or other intellectual property contained therein.

HCL reserves the right to withdraw the permissions granted herein whenever, in its discretion, the use of the publications is detrimental to its interest or, as determined by HCL, the above instructions are not being properly followed.

You may not download, export or re-export this information except in full compliance with all applicable laws and regulations, including all United States export laws and regulations.

HCL MAKES NO GUARANTEE ABOUT THE CONTENT OF THESE PUBLICATIONS. THE PUBLICATIONS ARE PROVIDED "AS-IS" AND WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY, NON-INFRINGEMENT, AND FITNESS FOR A PARTICULAR PURPOSE.