

OpenText™ Application Security

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Tools Guide

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Legal Notices

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Documentation updates

The title page of this document contains the following identifying information:

- Software Version number
- Document Release Date, which changes each time the document is updated
- Software Release Date, which indicates the release date of this version of the software

This document was produced for OpenText™ Application Security CE 25.2 on May 28, 2025.

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Preface

Contacting Customer Support

Visit the [Customer Support](#) website to:

- Manage licenses and entitlements
- Create and manage technical assistance requests
- Browse documentation and knowledge articles
- Download software
- Explore the Community

For more information

For more information about OpenText Application Security Testing products, visit [OpenText Application Security](#).

Product feature videos

You can find videos that highlight OpenText Application Security Software products and features on the [Fortify Unplugged YouTube™ channel](#).

Change Log

The following table lists changes made to this document. Revisions to this document are published between software releases only if the changes made affect product functionality.

Software Release / Document Version	Changes
25.2.0	<p>Updated:</p> <ul style="list-style-type: none">• Incorporated product name changes (see "Product name changes" on page 9)• The installer file name and format has changed (see "Installing OpenText Application Security Tools" on page 16 and "Installing OpenText™ Application Security Tools Silently (Unattended)" on page 17)• The uninstaller file name and format has changed (see "Uninstalling OpenText™ Application Security Tools" on page 22, "Uninstalling OpenText™ Application Security Tools Silently" on page 23, and "Uninstalling OpenText™ Application Security Tools in Text-Based Mode on Non-Windows Platforms" on page 23)• The location for the installer log file has changed (see "Installing OpenText™ Application Security Tools Silently (Unattended)" on page 17)• Installer for Linux and macOS on ARM-based systems (see "Installing OpenText Application Security Tools" on page 16)
24.4.0	<p>Updated:</p> <ul style="list-style-type: none">• Removed mention of Fortify Security Assistant Plugin for Eclipse from "About OpenText Application Security Tools" on page 10. This application is available in the Eclipse marketplace and has been removed from the OpenText™ Application Security Tools download package
24.2.0	<p>Updated:</p> <ul style="list-style-type: none">• Added ability to install the Fortify ScanCentral SAST client as a component of the Tools Guide installer (see "About OpenText Application Security Tools" on page 10, "Installing OpenText™

Software Release / Document Version	Changes
	<p>Application Security Tools Silently (Unattended)" on page 17), and "Locating Log Files" on page 24)</p> <ul style="list-style-type: none">• Added options for updated issue report versions (see "BIRTReportGenerator Command-Line Options" on page 33)• Description for the FPRUtility -loc option (see "Displaying Analysis Results Information from an FPR File" on page 40) <p>Removed:</p> <ul style="list-style-type: none">• The <code>com.fortify.model.PersistenceStrategy</code> property from the <code>fortify.properties</code> file was removed because it has only one valid value

Chapter 1: Getting Started

This chapter describes the OpenText™ Static Application Security Testing applications and tools and how to install them.

This section contains the following topics:

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- [About Installing OpenText Application Security Tools](#) 16
- [About Upgrading OpenText Application Security Tools](#) 21
- [About Uninstalling OpenText™ Application Security Tools](#) 22
- [Samples](#) 24
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Product name changes

OpenText is in the process of changing the following product names:

Previous name	New name
Fortify Static Code Analyzer	OpenText™ Static Application Security Testing (OpenText SAST)
Fortify Software Security Center	OpenText™ Application Security
Fortify WebInspect	OpenText™ Dynamic Application Security Testing (OpenText DAST)
Fortify on Demand	OpenText™ Core Application Security
Debricked	OpenText™ Core Software Composition Analysis (OpenText Core SCA)
Fortify Applications and Tools	OpenText™ Application Security Tools

The product names have changed on product splash pages, mastheads, login pages, and other places where the product is identified. The name changes are intended to clarify product functionality and to better align the Fortify Software products with OpenText. In some cases, such as on the documentation title page, the old name might temporarily be included in parenthesis. You can expect to see more changes in future product releases.

About OpenText Application Security Tools

The OpenText™ Application Security Tools installation includes applications and Secure Code Plugins that enable you to scan your code with OpenText SAST and view the analysis results so you can fix vulnerability issues. The command-line tools enable you to generate reports based on the analysis results, work with Fortify Project Results (FPR) files, and securely transfer objects to and from OpenText™ Fortify Software Security Center.

The following table describes the OpenText SAST applications and tools that you can install with the OpenText™ Application Security Tools installer.

Application or Tool	Description	More Information
OpenText™ Fortify Audit Workbench	Provides a graphical user interface for OpenText SAST analysis results that helps you organize, investigate, and prioritize analysis results so that developers can fix security flaws quickly.	<i>OpenText™ Fortify Audit Workbench User Guide</i> in Fortify Static Code Analyzer and Tools Documentation
OpenText™ Fortify Plugin for Eclipse	Adds the ability to run OpenText SAST scans (either locally or remotely using OpenText™ Fortify ScanCentral SAST) on the entire Java codebase of a project from the Eclipse IDE. The analysis results are displayed, along with descriptions of each of the security issues and suggestions for their elimination.	<i>OpenText™ Fortify Plugin for Eclipse User Guide</i> in Fortify Static Code Analyzer and Tools Documentation
OpenText™ Fortify Analysis Plugin for IntelliJ IDEA and Android Studio	Adds the ability to run OpenText SAST scans (either locally or remotely using Fortify ScanCentral SAST) on the entire codebase of a project from IntelliJ IDEA and Android Studio. To view the analysis results, upload them to Fortify Software Security Center or open them in Fortify Audit Workbench.	<i>OpenText™ Fortify Analysis Plugin for IntelliJ IDEA and Android Studio User Guide</i> in Fortify Static Code Analyzer and Tools

Application or Tool	Description	More Information
		Documentation
OpenText™ Fortify Extension for Visual Studio	Adds the ability to run OpenText SAST scan (either locally or remotely using Fortify ScanCentral SAST) on solutions and projects from Visual Studio. The analysis results are displayed, along with descriptions of each of the security issues and suggestions for their elimination. This extension also includes remediation functionality that works with analysis results stored on a Fortify Software Security Center server.	<i>OpenText™ Fortify Extension for Visual Studio User Guide</i> in Fortify Static Code Analyzer and Tools Documentation
OpenText™ Fortify ScanCentral SAST client	Enables you to offload OpenText SAST analysis to Fortify ScanCentral SAST, which can perform remote translation and scan of your applications. Users of Fortify Software Security Center can direct Fortify ScanCentral SAST to upload the analysis results to the server.	<i>OpenText™ Fortify ScanCentral SAST Installation, Configuration, and Usage Guide</i> in Fortify Software Security Center Documentation
Fortify Scan Wizard	Provides a graphical user interface that enables you to prepare a script to scan your code with OpenText SAST (either locally or remotely using Fortify ScanCentral SAST) and then optionally upload the results to Fortify Software Security Center.	"Fortify Scan Wizard" on page 29
Fortify Custom Rules Editor	Provides a graphical user interface to create and edit custom rules.	Not applicable
BIRTReportGenerator ReportGenerator	Command-line tools to generate BIRT reports and legacy reports based on a Fortify Project Results (FPR) file.	"Generating Analysis Reports from the Command Line" on page 32
FPRUtility	Command-line tool that enables you to:	"Working with

Application or Tool	Description	More Information
	<ul style="list-style-type: none"> • Merge audited projects • Verify FPR signatures • Display information from an FPR file including: <ul style="list-style-type: none"> • Any errors associated with the analysis • Number of issues • Filtered lists of issues in different formats • Lines of code for analyzed files • List of analyzed functions • Mappings for a migrated project • Combine or split source code files and audit projects into FPR files • Alter an FPR 	FPR Files from the Command Line" on page 38
fortifyclient	Command-line utility to create Fortify Software Security Center authentication tokens and securely transfer objects to and from Fortify Software Security Center.	OpenText™ Application Security User Guide in Fortify Software Security Center Documentation

System requirements

This section describes the system requirements for OpenText Application Security Tools.

Hardware requirements

OpenText Application Security Tools require a system with at least 8 GB of RAM. In addition, OpenText Application Security Tools used to perform code analysis have the same hardware requirements as OpenText SAST (see [Hardware Requirements](#)).

Platforms and architectures

OpenText Application Security Tools support the platforms and architectures listed in the following table.

Operating system	Platforms / versions
Windows	10, 11
Linux	Red Hat Enterprise Linux 7.x, 8, 9 SUSE Linux Enterprise Server 15 Important! Fortify Audit Workbench, Fortify Custom Rules Editor, and Fortify Scan Wizard require GTK version 3.22 or later. Some platform versions include this requirement such as Red Hat Enterprise Linux 7.4 and later.
macOS	13, 14

Software requirements

The OpenText Application Security Tools installation includes an embedded OpenJDK/JRE version 17.0.11, which the applications and tools require. You do not need to install Java 17.

To use OpenText Application Security Tools, you must have Read and Write permissions for the OpenText Application Security Tools installation directory.

To run Fortify Audit Workbench, Fortify Custom Rules Editor, or Fortify Scan Wizard remotely from a local server, you must use a remote desktop connection such as Virtual Network Computing (VNC) or Windows Remote Desktop Connection. Do not use X Window System (X11) forwarding to access these applications from a remote server.

Service integrations for OpenText Application Security Tools

The following table lists the supported service integrations for Fortify Audit Workbench and the Secure Code Plugins.

Service	Versions	Supported applications
OpenText Application Quality Management	12.50	Fortify Audit Workbench Fortify Plugin for Eclipse

Service	Versions	Supported applications
Azure DevOps Server	2019 2020 2022	Fortify Audit Workbench Fortify Plugin for Eclipse Fortify Extension for Visual Studio
Azure DevOps Note: Only basic user password authentication is supported.	Not applicable	Fortify Audit Workbench Fortify Plugin for Eclipse
Jira Software Server	8.13 9.10	Fortify Audit Workbench Fortify Plugin for Eclipse
Jira Software Cloud	Not applicable	Fortify Audit Workbench Fortify Plugin for Eclipse
Fortify Software Security Center Bug Tracker	25.2.0	Fortify Audit Workbench Fortify Plugin for Eclipse Fortify Extension for Visual Studio

Secure Code Plugins

The following table lists the supported integrated development environments (IDE) for the Secure Code Plugins.

Secure Code Plugin	IDE	Versions	Notes
Fortify Plugin for Eclipse	Eclipse	2023-x 2024-03 2024-06	
Fortify Analysis Plugin for IntelliJ IDEA and Android Studio	IntelliJ IDEA	2023.x 2024.1 2024.2	IntelliJ IDEA Ultimate and Community Edition are supported.
	Android Studio	2023.x 2024.1	

Secure Code Plugin	IDE	Versions	Notes
Fortify Extension for Visual Studio	Visual Studio	2017 2019 2022	Visual Studio Community, Professional, and Enterprise editions for Windows are supported. For supported MSBuild versions, see Build Tools .

Authentication for connecting to Fortify Software Security Center

In addition to user name and password authentication, Fortify Audit Workbench and all the Secure Code Plugins can use token-based and SSO authentication with Fortify Software Security Center.

The following table lists the SSO methods that are supported for OpenText SAST applications to connect to Fortify Software Security Center.

Application	SSO method
Fortify Audit Workbench	X.509
Fortify Plugin for Eclipse	X.509
Fortify Extension for Visual Studio	X.509

BIRT reports

To generate BIRT reports on a Linux system from the Secure Code Plugins or the BIRTReportGenerator utility, you must install the fontconfig library, DejaVu Sans fonts, and DejaVu Serif fonts on the server.

To run the BIRTReportGenerator utility in a Linux Docker container, you must have the X Window System (X11) libraries installed in the image. The X11 libraries provide the graphical user interface API that BIRT requires for data visualization.

Example for Red Hat Enterprise Linux and CentOS:

```
yum -y install xorg-x11-xauth xorg-x11-fonts-* xorg-x11-utils
```

Example for Ubuntu:

```
apt-get install x11-apps
```

About Installing OpenText Application Security Tools

See the ["System requirements" on page 12](#) to make sure that your system meets the minimum requirements for each software component you plan to install. For a description of the applications and tools that you can install, see ["About OpenText Application Security Tools" on page 10](#). You must provide a Fortify license file for the OpenText Application Security Tools installation.

OpenText recommends that you install OpenText SAST before installing OpenText™ Application Security Tools. The OpenText™ Application Security Tools installer can detect an existing OpenText SAST that is locally installed in the default location or in the same root folder where you plan to install OpenText™ Application Security Tools. If the installer successfully detects the location, the applications that require the location of OpenText SAST (Fortify Audit Workbench and the Fortify Extension for Visual Studio) will have the location automatically configured.

The following table lists the different methods of installation.

Installation Method	Instructions
Perform the installation using a standard install wizard	"Installing OpenText Application Security Tools" below
Perform the installation silently (unattended)	"Installing OpenText™ Application Security Tools Silently (Unattended)" on the next page
Perform a text-based installation on non-Windows systems	"Installing OpenText™ Application Security Tools in Text-Based Mode on Non-Windows Platforms" on page 19

Installing OpenText Application Security Tools

To install OpenText SAST applications and tools:

1. Run the installer file for your operating system to start the OpenText™ Application Security Tools Setup wizard:
 - Windows: `OpenText_Application_Security_Tools_windows-x64_<version>.exe`
 - Linux: `OpenText_Application_Security_Tools_linux-x64_<version>.run` or `OpenText_Application_Security_Tools_linux-arm64_<version>.run`
 - macOS: `OpenText_Application_Security_Tools_osx-x64_<version>.app.zip` or `OpenText_Application_Security_Tools_osx-arm64_<version>.app.zip`
Uncompress the ZIP file before you run the APP installer file.

where *<version>* is the software release version, and then click **Next**.

2. Review and accept the license agreement, and then click **Next**.

3. Choose where to install OpenText™ Application Security Tools, and then click **Next**.

Important! Do not install OpenText™ Application Security Tools in the same directory where OpenText SAST is installed.

4. (Optional) Select the components to install, and then click **Next**.
5. Specify the path to the `fortify.license` file, and then click **Next**.
6. Specify if you want to migrate from a previous installation on your system.

Migrating from a previous installation preserves OpenText™ Application Security Tools artifact files. For more information, see ["About Upgrading OpenText Application Security Tools" on page 21](#).

To migrate artifacts from a previous installation:

- a. In the Applications and Tools Migration page, select **Yes**, and then click **Next**.
- b. Specify the location of the existing installation on your system, and then click **Next**.

To skip migration of artifacts from a previous release, leave the Applications and Tools Migration selection set to **No**, and then click **Next**.

7. If you are installing the Fortify Extension for Visual Studio, do the following:
 - a. Specify whether to install the extensions for the current install user or for all users.
The default is to install the extensions for only the current install user.
 - b. Click **Next**.
8. Click **Next** on the Ready to Install page to install OpenText™ Application Security Tools and any selected components.
9. Click **Finish** to close the Setup wizard.

Installing OpenText™ Application Security Tools Silently (Unattended)

A silent installation enables you to complete the installation without any user prompts. To install silently, you need to create an option file to provide the necessary information to the installer. Using the silent installation, you can replicate the installation parameters on multiple machines.

Important! Do not install OpenText™ Application Security Tools in the same directory where OpenText SAST is installed.

To install OpenText™ Application Security Tools silently:

1. Create an options file.
 - a. Create a text file that contains the following line:

```
fortify_license_path=<license_file_location>
```

where `<license_file_location>` is the full path to your `fortify.license` file.

- b. Add more installation instructions, as needed, to the options file.

To obtain a list of installation options that you can add to your options file, open a command prompt, and then type the installer file name and the `--help` option. This command displays each available command-line option preceded with a double dash and the available parameters enclosed in angle brackets. For example, if you want to see the progress of the install displayed at the command line, add `unattendedmodeui=minimal` to your options file. The command-line options are case-sensitive.

For the `enable-components` option on Windows, you can specify the `AWB_group` parameter to install Fortify Audit Workbench, Fortify Custom Rules Editor, the default bug tracker plugins, and associate FPR files with Fortify Audit Workbench. To install specific plugins, list each plugin by parameter name (the `Plugins_group` parameter does **not** install all plugins and you do not need to include it).

The following example Windows options file specifies the location of the license file, a request to migrate from a previous release, installation of Fortify Audit Workbench (associate FPR files with Fortify Audit Workbench), Fortify Scan Wizard, Fortify Custom Rules Editor, the default bug tracker plugins, Fortify ScanCentral SAST client, Fortify Extension for Visual Studio 2022 for all users, and sets the target OpenText™ Application Security Tools installation directory:

```
fortify_license_path=C:\Users\admin\Desktop\fortify.license
MigrateTools=1
enable-components=AWB_group,ScanCentralClient,VS2022
VS_all_users=1
installdir=C:\FortifyApps
```

The following example is an options file for Linux and macOS that specifies the location of the license file, a request to migrate from a previous release, installation of Fortify Audit Workbench, the Fortify Plugin for Eclipse, Fortify Scan Wizard, the default bug tracker plugins, Fortify ScanCentral SAST client, and sets the target OpenText™ Application Security Tools installation directory:

```
fortify_license_path=/opt/Fortify/fortify.license
MigrateTools=1
enable-components=AWB,Eclipse,ScanWizard,ScanCentralClient
installdir=/opt/FortifyApps
```

2. Save the options file.
3. Run the silent install command for your operating system.

Note: You might need to run the command prompt as an administrator before you run the installer.

Windows	<code>OpenText_Application_Security_Tools_windows-x64_<version>.exe --mode unattended --optionfile <full_path_to_options_file></code>
Linux	<code>./OpenText_Application_Security_Tools_linux-x64_<version>.run --mode unattended --optionfile <full_path_to_options_file></code> or <code>./OpenText_Application_Security_Tools_linux-arm64_<version>.run --mode unattended --optionfile <full_path_to_options_file></code>
macOS	You must uncompress the ZIP file before you run the command. <code>OpenText_Application_Security_Tools_osx-x64_<version>.app/Contents/MacOS/installbuilder.sh --mode unattended --optionfile <full_path_to_options_file></code> or <code>OpenText_Application_Security_Tools_osx-arm64_<version>.app/Contents/MacOS/installbuilder.sh --mode unattended --optionfile <full_path_to_options_file></code>

The installer creates an installer log file when the installation is complete. This log file is in the following location depending on your operating system.

Windows	<code>C:\Users\ <username>\AppData\Local\Temp\OpenTextApplicationSecurityTools- <version>-install.log</code>
Linux macOS	<code>/tmp/OpenTextApplicationSecurityTools-<version>-install.log</code>

Installing OpenText™ Application Security Tools in Text-Based Mode on Non-Windows Platforms

You perform a text-based installation on the command line. During the installation, you are prompted for information required to complete the installation. Text-based installations are not supported on Windows systems.

Important! Do not install OpenText™ Application Security Tools in the same directory where OpenText SAST is installed.

To perform a text-based installation of OpenText™ Application Security Tools, run the text-based install command for your operating system as listed in the following table.

Linux	<pre>./OpenText_Application_Security_Tools_linux-x64_<version>.run --mode text</pre> <p>or</p> <pre>./OpenText_Application_Security_Tools_linux-arm64_<version>.run --mode text</pre>
macOS	<p>You must uncompress the provided ZIP file before you run the command.</p> <pre>OpenText_Application_Security_Tools_osx-x64_<version>.app/Contents/MacOS/installbuilder.sh --mode text</pre> <p>or</p> <pre>OpenText_Application_Security_Tools_osx-arm64_<version>.app/Contents/MacOS/installbuilder.sh --mode text</pre>

Adding Trusted Certificates

Connection from the OpenText SAST applications and tools to other Fortify products and external systems might require communication over HTTPS. Some examples include:

- The OpenText SAST applications and tools such as Fortify Audit Workbench, Fortify Extension for Visual Studio, and Fortify Scan Wizard typically require an HTTPS connection to communicate with Fortify Software Security Center. By default, these tools do not trust self- or locally-signed certificates.
- OpenText SAST configured as a Fortify ScanCentral SAST sensor uses an HTTPS connection to communicate with the Controller.

When using HTTPS, OpenText SAST applications and tools will by default apply standard checks to the presented SSL server certificate, including a check to determine if the certificate is trusted. If your organization runs its own certificate authority (CA) and the OpenText SAST applications and tools need to trust connections where the server presents a certificate issued by this CA, you must configure the OpenText SAST applications and tools to trust the CA. Otherwise, the use of HTTPS connections might fail.

You must add the trusted certificate of the CA to the OpenText™ Application Security Tools keystore. The OpenText™ Application Security Tools keystore is in the `<tools_install_dir>/jre/lib/security/cacerts` file. You can use the `keytool` command to add the trusted certificate to the keystore.

To add a trusted certificate to the OpenText™ Application Security Tools keystore:

1. Open a command prompt, and then run the following command:

```
<tools_install_dir>/jre/bin/keytool -importcert -alias <alias_name> -cacerts -file <cert_file>
```

where:

- *<alias_name>* is a unique name for the certificate you are adding.
 - *<cert_file>* is the name of the file containing the trusted root certificate in PEM or DER format.
2. Enter the keystore password.
- Note:** The default password is `changeit`.
3. When prompted to trust this certificate, select **yes**.

About Upgrading OpenText Application Security Tools

To upgrade OpenText™ Application Security Tools, install the new version in a different location than where your current version is installed and choose to migrate settings from the previous installation. This migration preserves and updates the OpenText™ Application Security Tools artifact files located in the *<tools_install_dir>/Core/config* directory.

If you choose not to migrate any settings from a previous release, OpenText recommends that you save a backup of the following data if it has been modified:

- *<tools_install_dir>/Core/config/CustomExternalMetadata* folder
- *<tools_install_dir>/Core/config/server.properties* file
- *<tools_install_dir>/Core/config/fortify.properties* file

After you install the new version, you can uninstall the previous version. For more information, see ["About Uninstalling OpenText™ Application Security Tools" on the next page](#).

Upgrading the Fortify Extension for Visual Studio

If you have administrative privileges and are upgrading from a previous version of the OpenText™ Application Security Tools for any supported version of Visual Studio, the installer will overwrite the existing Fortify Extension for Visual Studio. If the previous version was installed without administrative privileges, the installer will also overwrite the existing Fortify Extension for Visual Studio without requiring administrative privileges.

Note: If you do not have administrative privileges and you are upgrading the Fortify Extension for Visual Studio that was previously installed using an administrative privileged user account, you must first uninstall the Fortify Extension for Visual Studio from Visual Studio using an administrative privilege account.

About Uninstalling OpenText™ Application Security Tools

This section describes how to uninstall OpenText SAST applications and tools. You can use the standard install wizard, or you can perform the uninstallation silently. You can also perform a text-based uninstallation on non-Windows systems.

Uninstalling OpenText™ Application Security Tools

To uninstall OpenText™ Application Security Tools:

1. Run the uninstall command located in the `<tools_install_dir>` for your operating system:

Windows	Uninstall_OpenTextApplicationSecurityTools_<version>.exe Alternatively, you can uninstall the application from the Windows interface. See the Microsoft documentation for instructions.
Linux	Uninstall_OpenTextApplicationSecurityTools_<version>
macOS	Uninstall_OpenTextApplicationSecurityTools_<version>.app

2. You are prompted to indicate whether to remove the entire application or individual components. Make your selection, and then click **Next**.
If you are uninstalling specific components, select the components to remove on the Select Components to Uninstall page, and then click **Next**.
3. You are prompted to indicate whether to remove all application settings. Do one of the following:
 - Click **Yes** to remove the application setting folders for the applications installed with the version of OpenText™ Application Security Tools that you are uninstalling.
 - Click **No** to retain the application settings on your system.

Uninstalling OpenText™ Application Security Tools Silently

To uninstall OpenText™ Application Security Tools silently:

1. Navigate to the installation directory.
2. Type one of the following commands based on your operating system:

Windows	<code>Uninstall_OpenTextApplicationSecurityTools_<version>.exe --mode unattended</code>
Linux	<code>./Uninstall_OpenTextApplicationSecurityTools_<version> --mode unattended</code>
macOS	<code>Uninstall_OpenTextApplicationSecurityTools_<version>.app/Contents/MacOS/installbuilder.sh --mode unattended</code>

Note: The uninstaller removes the application setting folders for the applications installed with the version of OpenText™ Application Security Tools that you are uninstalling.

Uninstalling OpenText™ Application Security Tools in Text-Based Mode on Non-Windows Platforms

To uninstall OpenText™ Application Security Tools in text-based mode, run the text-based install command for your operating system, as follows:

1. Navigate to the installation directory.
2. Type one of the following commands based on your operating system:

Linux	<code>./Uninstall_OpenTextApplicationSecurityTools_<version> --mode text</code>
macOS	<code>Uninstall_OpenTextApplicationSecurityTools_<version>.app/Contents/MacOS/installbuilder.sh --mode text</code>

Application / Tool	Log File Directory
Fortify ScanCentral SAST client	scancentral- <i><version></i>
BIRTReportGenerator	BIRT- <i><version></i>
ReportGenerator	ReportCommandlineInterface- <i><version></i>
fortifyclient	FortifyClient- <i><version></i>
FPRUtility	FPRCommandlineInterface- <i><version></i>

Related documents

This topic describes documents that provide information about OpenText Application Security Software products.

Note: Most guides are available in both PDF and HTML formats.

All products

The following documents provide general information for all products. Unless otherwise noted, these documents are available on the Product Documentation website for each product.

Document / file name	Description
<p><i>About OpenText Application Security Software Documentation</i></p> <p>appsec-docs-n-<i><version></i>.pdf</p>	<p>This paper provides information about how to access OpenText Application Security Software product documentation.</p> <p>Note: This document is included only with the product download.</p>
<p><i>What's New in OpenText Application Security Software <version></i></p> <p>appsec-wn-<i><version></i>.pdf</p>	<p>This document describes the new features in OpenText Application Security Software products.</p>
<p><i>OpenText Application Security Software Release Notes</i></p> <p>appsec-rn-<i><version></i>.pdf</p>	<p>This document provides an overview of the changes made to OpenText Application Security Software for this release and important information not included elsewhere in the product documentation.</p>

Fortify ScanCentral SAST

The following document provides information about Fortify ScanCentral SAST. This document is available on the Product Documentation website at

<https://www.microfocus.com/documentation/fortify-software-security-center>.

Document / file name	Description
<i>OpenText™ Fortify ScanCentral SAST Installation, Configuration, and Usage Guide</i> sc-sast-ugd-<version>.pdf	This document provides information about how to install, configure, and use Fortify ScanCentral SAST to streamline the static code analysis process. It is written for anyone who intends to install, configure, or use Fortify ScanCentral SAST to offload the resource-intensive translation and scanning phases of their OpenText SAST process.

Fortify Software Security Center

The following document provides information about OpenText Application Security (Software Security Center). This document is available on the Product Documentation website at

<https://www.microfocus.com/documentation/fortify-software-security-center>.

Document / file name	Description
<i>OpenText™ Application Security User Guide</i> ssc-ugd-<version>.pdf	<p>This document provides Fortify Software Security Center users with detailed information about how to deploy and use Fortify Software Security Center. It provides all the information you need to deploy, configure, and use Fortify Software Security Center.</p> <p>It is intended for use by system and instance administrators, database administrators (DBAs), enterprise security leads, development team managers, and developers. Fortify Software Security Center provides security team leads with a high-level overview of the history and status of a project.</p>

OpenText SAST

The following documents provide information about OpenText SAST (Fortify Static Code Analyzer). Unless otherwise noted, these documents are available on the Product Documentation website at <https://www.microfocus.com/documentation/fortify-static-code>.

Document / file name	Description
<i>OpenText™ Static Application Security Testing User Guide</i> sast-ugd-<version>.pdf	This document describes how to install and use OpenText SAST to scan code on many of the major programming platforms. It is intended for people responsible for security audits and secure coding.
<i>OpenText™ Static Application Security Testing Custom Rules Guide</i> sast-cr-ugd-<version>.zip	This document provides the information that you need to create custom rules for OpenText SAST. This guide includes examples that apply rule-writing concepts to real-world security issues. Note: This document is included only with the product download.
<i>OpenText™ Fortify License and Infrastructure Manager Installation and Usage Guide</i> lim-ugd-<version>.pdf	This document describes how to install, configure, and use the Fortify License and Infrastructure Manager (LIM), which is available for installation on a local Windows server and as a container image on the Docker platform.

OpenText Application Security Tools

The following documents provide information about OpenText Application Security Tools. These documents are available on the Product Documentation website at <https://www.microfocus.com/documentation/fortify-static-code-analyzer-and-tools>.

Document / file name	Description
<i>OpenText™ Application Security Tools Guide</i> sast-tgd-<version>.pdf	This document describes how to install application security tools. It provides an overview of the applications and command-line tools that enable you to scan your code with OpenText SAST, review analysis results, work with analysis results files, and more.
<i>OpenText™ Fortify Audit Workbench</i>	This document describes how to use Fortify Audit

Document / file name	Description
<i>User Guide</i> awb-ugd-<version>.pdf	Workbench to scan software projects and audit analysis results. This guide also includes how to integrate with bug trackers, produce reports, and perform collaborative auditing.
<i>OpenText™ Fortify Plugin for Eclipse User Guide</i> ep-udg-<version>.pdf	This document provides information about how to install and use the Fortify Plugin for Eclipse to analyze and audit your code.
<i>OpenText™ Fortify Analysis Plugin for IntelliJ IDEA and Android Studio User Guide</i> iap-udg-<version>.pdf	This document describes how to install and use the Fortify Analysis Plugin for IntelliJ IDEA and Android Studio to analyze your code and optionally upload the results to Fortify Software Security Center.
<i>OpenText™ Fortify Extension for Visual Studio User Guide</i> vse-ugd-<version>.pdf	This document provides information about how to install and use the Fortify Extension for Visual Studio to analyze, audit, and remediate your code to resolve security-related issues in solutions and projects.

Chapter 2: Fortify Scan Wizard

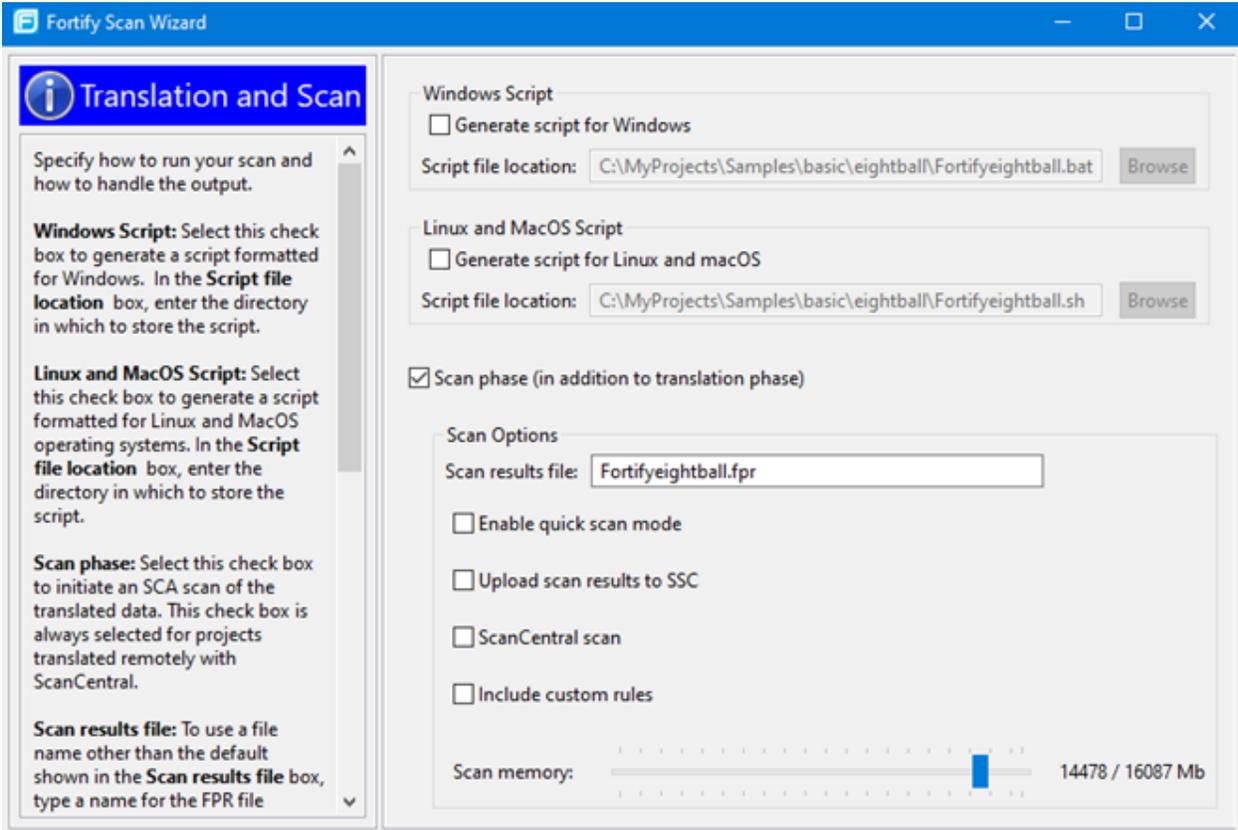
Fortify Scan Wizard is an application with a graphical interface that enables you to easily generate a script to perform OpenText SAST commands for Windows, Linux, and macOS systems. You can run the generated script to analyze your code with OpenText SAST. You can specify to run your analysis locally or use Fortify ScanCentral SAST to run all or part of the analysis remotely.

This section contains the following topics:

- [Preparing to use Fortify Scan Wizard](#)29
- [Starting Fortify Scan Wizard](#) 31

Preparing to use Fortify Scan Wizard

Fortify Scan Wizard uses the information you provide to create a script with the commands for OpenText SAST to scan project code and optionally upload the analysis results to Fortify Software Security Center. You can use Fortify Scan Wizard to create a script that runs your scans locally or sends them to Fortify ScanCentral SAST for all or part of the analysis.



To use Fortify Scan Wizard, you need access to the build directory of the projects you want to scan. The following table describes some of the required information you will need, depending on how you will analyze the project and if you want to upload the scan results to Fortify Software Security Center.

Important! If Fortify Software Security Center or the Fortify ScanCentral SAST Controller uses an SSL connection from an internal certificate authority or a self-signed certificate, you must add the certificate to the Java keystore for OpenText SAST (see the *OpenText™ Static Application Security Testing User Guide*).

Task	Requirements
Perform a local analysis with OpenText SAST	<ul style="list-style-type: none"> OpenText SAST installed on the system where the generated script will be run. <p>You can generate the script on a different platform without OpenText SAST, and then transfer the script to the system where it will be run.</p>
Perform a remote analysis (translation and scan phases) with Fortify ScanCentral SAST	<ul style="list-style-type: none"> Either a Fortify ScanCentral SAST client installed with the OpenText SAST installation or a standalone Fortify ScanCentral SAST client installation (see the <i>OpenText™ Fortify ScanCentral SAST Installation, Configuration, and Usage Guide</i> for instructions) A Fortify ScanCentral SAST Controller URL <div data-bbox="574 1066 1401 1293" style="background-color: #f0f0f0; padding: 5px;"> <p>Note: If you are also uploading analysis results to Fortify Software Security Center, then you do not need to specify a Controller URL. The Fortify ScanCentral SAST that is integrated with the Fortify Software Security Center server is used in this case.</p> </div> <ul style="list-style-type: none"> Your project must be in a language that Fortify ScanCentral SAST supports for translation. See the <i>OpenText™ Application Security Software System Requirements</i> for a list of supported languages.
Perform a local OpenText SAST translation and a remote scan with Fortify ScanCentral SAST	<ul style="list-style-type: none"> A Fortify ScanCentral SAST client installed with the OpenText SAST installation A Fortify ScanCentral SAST Controller URL
Upload analysis results to Fortify Software Security Center	<ul style="list-style-type: none"> An Fortify Software Security Center server URL <div data-bbox="574 1801 1401 1854" style="background-color: #f0f0f0; padding: 5px;"> <p>Note: If you are using Fortify ScanCentral SAST, the Fortify</p> </div>

Task	Requirements
	<p data-bbox="574 279 1401 380">Software Security Center server must be integrated with the Fortify ScanCentral SAST Controller.</p> <ul data-bbox="542 401 1239 432" style="list-style-type: none"><li data-bbox="542 401 1239 432">• Your Fortify Software Security Center login credentials <p data-bbox="574 457 1401 600">Note: If you do not have Fortify Software Security Center login credentials, you must have an application name and version that exists in Fortify Software Security Center.</p> <ul data-bbox="542 621 1214 653" style="list-style-type: none"><li data-bbox="542 621 1214 653">• An authentication token of type ToolsConnectToken <p data-bbox="574 678 1401 800">Note: If you do not have a token, you can use Fortify Scan Wizard to generate one. To do this, you must have Fortify Software Security Center login credentials.</p>

Important! If you generate a script for a Windows system, you cannot run that script on a non-Windows system. Likewise, if you generate a script for a non-Windows system, you cannot run it on a Windows system.

Starting Fortify Scan Wizard

To start Fortify Scan Wizard, do one of the following, based on your operating system:

- On Windows, select **Start > All apps > Fortify Applications and Tools <version> > Scan Wizard**.

You can also open a Command Prompt window, and then type `scanwizard`.

- On Linux, navigate to the `<tools_install_dir>/bin` directory, and then run `ScanWizard` from the command line.
- On macOS, navigate to the `<tools_install_dir>` directory, and then double-click the `ScanWizard.app` icon.

Chapter 3: Command-Line Tools

This chapter describes the tools that you can run from a Command Prompt window.

This section contains the following topics:

Generating Analysis Reports from the Command Line	32
Working with FPR Files from the Command Line	38

Generating Analysis Reports from the Command Line

There are two command-line tools that you can use to generate analysis reports:

- BIRTReportGenerator—Generates issue reports from FPR files that are based on the Business Intelligence and Reporting Technology (BIRT) system.

Note: To generate BIRT reports on a Linux system running OpenJDK, you must install fontconfig, DejaVu Sans fonts, and DejaVu Serif fonts.

- ReportGenerator—Generates legacy reports from FPR files. You can specify a report template or use the default report template. See the *OpenText™ Fortify Audit Workbench User Guide* for a description of the available report templates.

Generating Issue Reports

Use the BIRTReportGenerator command-line tool to generate issue reports that are based on the BIRT system. The basic command-line syntax to generate an issue report is:

```
BIRTReportGenerator -template <template_name>  
-source <audited_proj>.fpr -format <format>  
-output <report_file_name>
```

The following is an example of how to generate an OWASP Top 10 2021 report with additional options:

```
BIRTReportGenerator -template "owasp top 10" -source auditedProj.fpr  
-format pdf -ShowSuppressed --Version "owasp top 10 2021"  
--UseFortifyPriorityOrder -output MyOWASP_Top10_Report.pdf
```

See Also

["BIRTReportGenerator Command-Line Options" on the next page](#)

["Troubleshooting BIRTReportGenerator" on page 36](#)

BIRTReportGenerator Command-Line Options

The following table describes the BIRTReportGenerator options.

BIRTReportGenerator Option	Description
<code>-template <template_name></code>	<p>(Required) Specifies the report template name. The valid values for <code><template_name></code> are "CWE Top 25", "CWE/SANS Top 25", "Developer Workbook", "DISA CCI 2", "DISA STIG", "FISMA Compliance", "GDPR", "MISRA", "OWASP API Top 10", "OWASP ASVS 4.0", "OWASP MASVS 2.0", "OWASP Mobile Top 10", "OWASP Top 10", "PCI DSS Compliance", and "PCI SSF Compliance".</p> <p>Note: You only need to enclose the report template name in quotes if the <code><template_name></code> includes a space. The template name values are case-insensitive.</p>
<code>-source <audited_proj>.fpr</code>	<p>(Required) Specifies the audited project on which to base the report.</p>
<code>-format pdf doc html</code>	<p>(Required) Specifies the generated report format.</p> <p>Note: The format values are case-insensitive.</p>
<code>-output <report_file.***></code>	<p>(Required) Specifies the file to which the report is written.</p> <p>Note: If you specify a file that already exists, that file is overwritten.</p>
<code>-searchQuery <query></code>	<p>Specifies a search query to filter issues before generating the report. For example:</p> <pre data-bbox="722 1619 1403 1671">-searchQuery audited:false</pre> <p>For a description of the search query syntax, see the <i>OpenText™ Fortify Audit Workbench User Guide</i>.</p>
<code>-ShowSuppressed</code>	<p>Include issues that are marked as suppressed.</p>

BIRTReportGenerator Option	Description
-ShowRemoved	Include issues that are marked as removed.
-ShowHidden	Include issues that are marked as hidden.
-filterSet <filterset_name>	Specifies a filter set to use to generate the report (for example, -filterSet "Quick View").
--Version <version>	<p>Specifies the version for the template. The template version values are case-insensitive.</p> <div data-bbox="722 632 1403 1234" style="background-color: #f0f0f0; padding: 10px;"><p>Note:</p><ul style="list-style-type: none">• Templates that are not listed here have only one version available.• If you do not specify a version and multiple versions are available, BIRTReportGenerator uses the most recent version based on the external metadata used when the FPR was created.• The BIRTReportGenerator help displays current report versions. OpenText periodically deprecates older report versions, however these versions are still available for FPR files that were created before the report version was deprecated.</div> <p>The valid values for the template versions are:</p>

BIRTReportGenerator Option	Description
	<ul style="list-style-type: none"> • For the "CWE Top 25" template, the version is "CWE Top 25 <version>" (for example, "CWE Top 25 2024") • For the "CWE/SANS Top 25" template, the version is "<version> CWE/SANS Top 25" (for example, "2011 CWE/SANS Top 25") • For the "DISA STIG" template, the version is "DISA STIG <version>" (for example, "DISA STIG 6.1") • For the "FISMA Compliance" template, the version is "NIST 800-53 Rev <version>" (for example, "NIST 800-53 Rev 5") • For the MISRA template, the available versions are "MISRA C 2023" or "MISRA C++ 2008" • For the "OWASP Mobile Top 10" template, the version is "OWASP Mobile Top 10 <version>" (for example, "OWASP Mobile Top 10 2024") • For the "OWASP Top 10" template, the version is "OWASP Top 10 <version>" (for example, "OWASP Top 10 2021") • For the "PCI DSS Compliance" template, the version is "PCI <version>" (for example, "PCI 4.0.1") • For the "PCI SSF Compliance" template, the version is "PCI SSF <version>" (for example, "PCI SSF 1.2")
--IncludeDescOfKeyTerminology	Include the <i>Description of Key Terminology</i> section in the report.
--IncludeAboutFortify	Include the <i>About Fortify Solutions</i> section in the report.
--SecurityIssueDetails	Provide detailed descriptions of reported issues. This option is not available for the Developer Workbook template.
--UseFortifyPriorityOrder	Use Fortify Priority Order instead of folder names to categorize issues. This option is not available for the Developer Workbook and PCI Compliance templates.

BIRTReportGenerator Option	Description
-h -help	Displays detailed information about the options.
-debug	Displays debug information that can be helpful to troubleshoot issues with BIRTReportGenerator.

Troubleshooting BIRTReportGenerator

Occasionally, you might encounter an out of memory error when you generate a report. You might see a message similar to the following in the command-line output:

```
java.lang.OutOfMemoryError: GC overhead limit exceeded
```

To increase the memory allocated for BIRTReportGenerator, add the `-Xmx` option to the BIRTReportGenerator command. In the following example, 32 GB is allocated to BIRTReportGenerator to run a report:

```
BIRTReportGenerator -template "DISA STIG" -source myproject.fpr -format PDF  
-output myproject_report.pdf -Xmx32G
```

Generating a Legacy Analysis Report

Use the ReportGenerator command-line tool to generate legacy reports. The legacy reports include user-configurable report templates. The basic command-line syntax to generate a legacy analysis report is:

```
ReportGenerator -source <audited_proj>.fpr -format <format> -f <report_  
file_name>
```

The following is an example of how to generate a PDF report using the Fortify Scan Summary template and additional options:

```
ReportGenerator -source auditedProj.fpr -format pdf -template  
ScanReport.xml -showSuppressed -user Alex -f MyFortifyReport.pdf
```

ReportGenerator Command-Line Options

The following table describes the ReportGenerator options.

ReportGenerator Option	Description
-source <audited_proj>.fpr	(Required) Specifies the audited project on which to base the report.

ReportGenerator Option	Description
-format pdf xml	(Required) Specifies the generated report format.
-f <report_file.***>	(Required) Specifies the file to which the report is written. Note: If you specify a file that already exists, that file is overwritten.
-template <template_name>	Specifies the report template. If not specified, ReportGenerator uses the default template. The default template is located in <tools_install_dir>/Core/config/reports/DefaultReportDefinition.xml. Note: Enclose the <template_name> in quotes if it contains any spaces. See the <i>OpenText™ Fortify Audit Workbench User Guide</i> for a description of the available report templates and how to customize them.
-user <username>	Specifies a user name to add to the report.
-showSuppressed	Include issues marked as suppressed.
-showRemoved	Include issues marked as removed.
-showHidden	Include issues marked as hidden.
-filterSet <filterset_name>	Specifies a filter set to use to generate the report (for example, -filterset "Quick View").
-verbose	Displays status messages to the console.
-debug	Displays debug information that can be helpful to troubleshoot issues with ReportGenerator.
-h	Displays detailed information about the options.

Working with FPR Files from the Command Line

Use the FPRUtility command-line tool located in `<tools_install_dir>/bin` to perform the following tasks:

- ["Merging FPR Files" below](#)
- ["Displaying Analysis Results Information from an FPR File" on page 40](#)
- ["Extracting a Source Archive from an FPR File" on page 44](#)
- ["Altering FPR Files" on page 46](#)
- ["Allocating More Memory for FPRUtility" on page 46](#)

Merging FPR Files

The FPRUtility `-merge` option combines the analysis results from two FPR files into a single FPR file. The values of the primary project are used to resolve conflicts. When you merge two FPR files, copies of both the primary analysis results and the secondary analysis results are stored in the merged FPR. When you open a merged FPR in Fortify Audit Workbench or Fortify Software Security Center, *removed issues* are determined as those that exist in the secondary analysis results but not in the primary analysis results. Similarly, *new issues* are those that exist in the primary analysis results, but not in the secondary analysis results.

To merge FPR files:

```
FPRUtility -merge -project <primary>.fpr -source <secondary>.fpr \  
-f <merged>.fpr
```

To merge FPR files and set instance ID migrator options:

```
FPRUtility -merge -project <primary>.fpr -source <secondary>.fpr \  
-f <merged>.fpr -iidmigratorOptions "<iidmigrator_options>"
```

FPRUtility Data Merge Options

The following table lists the FPRUtility options that apply to merging data.

FPRUtility Option	Description
<code>-merge</code>	Merges the specified project and source FPR files.
<code>-project <primary>.fpr</code>	Specifies the primary FPR file to merge. Conflicts are resolved using the values in this file.
<code>-source <secondary>.fpr</code>	Specifies the secondary FPR file to merge. The primary project

FPRUtility Option	Description
	overrides values if conflicts exist.
-f <merged>.fpr	<p>Specifies the name of the merged FPR file to contain the result of the merged files.</p> <p>Note: When you specify this option, neither of the original FPR files are modified. If you do not use this option, the primary FPR is overwritten with the merged results.</p>
-forceMigration	Forces the migration, even if OpenText SAST and the Rulepack versions of the two projects are the same.
-ignoreAnalysisDates	Specifies to ignore the analysis dates in the primary and secondary FPR files for the merge. Otherwise, the secondary FPR is always updated with the primary FPR .
-useSourceIssueTemplate	Specifies to use the filter sets and folders from the issue template in the secondary FPR.
-useMigrationFile <mapping_file>	Specifies an instance ID mapping file. This enables you to modify mappings manually rather than using the migration results. Supply your own instance ID mapping file.
-iidmigratorOptions <iidmigrator_options>	<p>Specifies instance ID migrator options. Separate included options with spaces and enclosed them in quotes. Some valid options are:</p> <ul style="list-style-type: none"> • -i provides a case-sensitive file name comparison of the merged files • -u <scheme_file> tells iidmigrator to read the matching scheme from <scheme_file> for instance ID migration <p>Note: Wrap <iidmigrator_options> in single quotes ('-u <scheme_file>') when working from a Cygwin command prompt.</p> <p>Windows example:</p> <pre>FPRUtility -merge -project <primary>.fpr -source <secondary>.fpr -f <merged>.fpr -iidmigratorOptions "-u scheme_file"</pre>

FPRUtility Option	Description
-debug	Displays debug information that can be helpful to troubleshoot issues with FPRUtility.

FPRUtility Data Merge Exit Codes

Upon completion of the `-merge` command, FPRUtility provides one of the exit codes described in the following table.

Exit Code	Description
0	The merge completed successfully.
5	The merge failed.

Displaying Analysis Results Information from an FPR File

The FPRUtility `-information` option displays information about the analysis results. You can obtain information to:

- Validate signatures
- Examine any errors associated with the FPR
- Obtain the number of issues for each analyzer, vulnerability category, or custom grouping
- Obtain lists of issues (including some basic information). You can filter these lists.
- Obtain the list of analyzed files and the number of lines of code (LOC) for each file. You can also compare the LOC with another FPR.

To display signature information for the analysis:

```
FPRUtility -information -signature -project <project>.fpr -f <output>.txt
```

To display a full analysis error report for the FPR:

```
FPRUtility -information -errors -project <project>.fpr -f <output>.txt
```

To display the number of issues per vulnerability category or analyzer:

```
FPRUtility -information -categoryIssueCounts -project <project>.fpr  
FPRUtility -information -analyzerIssueCounts -project <project>.fpr
```

To display the number of issues for a custom grouping based on a search:

```
FPRUtility -information -search -query <search_expression> \  
[-categoryIssueCounts] [-analyzerIssueCounts] \  
[-includeSuppressed] [-includeRemoved] \  
-project <project>.fpr -f <output>.txt
```

Note: By default, the result does not include suppressed and removed issues. To include suppressed or removed issues, use the `-includeSuppressed` or `-includeRemoved` options.

To display information for issues in CSV format:

```
FPRUtility -information -listIssues \  
-search [-queryAll | -query <search_expression>] \  
[-categoryIssueCounts] [-analyzerIssueCounts] \  
[-includeSuppressed] [-includeRemoved] \  
-project <project>.fpr -f <output>.csv -outputFormat CSV
```

To display information for all issues from the most recent scan (excluding suppressed and removed issues) using the Quick View filter set:

```
FPRUtility -information -listIssues \  
-search -queryAllExistingUnsuppressed \  
-filterSet "Quick View" \  
[-categoryIssueCounts] [-analyzerIssueCounts] \  
-project <project>.fpr -f <output>.txt
```

To display a comparison of the number of lines of code for analyzed files in two FPRs:

```
FPRUtility -information -loc -project <project>.fpr \  
-compareTo <oldproject>.fpr -f <output>.txt
```

FPRUtility Information Options

The following table lists the FPRUtility options that apply to project information.

FPRUtility Option	Description
-information	Displays information for the project.
Specify one of the following options to indicate what information to display:	
-signature	Displays the signature for analysis results and rules.
-mappings	Displays the migration mappings report.

FPRUtility Option	Description
-errors	Displays a full error report for the FPR.
-versions	Displays the OpenText SAST and OpenText Secure Coding Rulepacks versions used in the static scan.
-functionsMeta	Displays all functions that the static analyzer encountered in CSV format. To filter which functions are displayed, include -excludeCoveredByRules, and -excludeFunctionsWithSource.
-categoryIssueCounts	Displays the number of issues for each vulnerability category.
-analyzerIssueCounts	Displays the number of issues for each analyzer.
-search <query_option>	<ul style="list-style-type: none"> • Use -search -query <search_expression> to display the number of issues in the result of your specified search expression. To display the number of issues per vulnerability category or analyzer, add the optional -categoryIssueCounts and -analyzerIssueCounts options to the search option. Use the -includeSuppressed and -includeRemoved options to include suppressed or removed issues. • Use -search -queryAll to search all the issues in the FPR including suppressed and removed issues. • Use -search -queryAllExistingUnsuppressed to search all the issues in the FPR excluding suppressed and removed issues.
-loc	<p>Displays the list of analyzed files each with the number of lines of code (LOC) in the following format:</p> <pre data-bbox="574 1205 1403 1257"><filename>: <total_loc> (<executable_loc>)</pre> <p>where <total_loc> is the approximate number of lines that contain code constructs (comments are excluded).</p> <p>Note: Ignore the <executable_loc> metric. It is no longer used.</p> <p>For FPR files created using OpenText SAST version 24.2 and later, the <executable_loc> value always matches the <total_loc> value. Also, <total_loc> includes all lines of code (including comments and blank lines).</p> <p>Use -compareTo <project>.fpr with this option to compare the number of lines of code with another FPR. The comparison output includes the following information:</p> <ul style="list-style-type: none"> • + indicates new analyzed files • - indicates removed analyzed files

FPRUtility Option	Description
	<ul style="list-style-type: none"> * indicates files with a different number of lines of code. The difference in the number of lines of code is shown next to the executable LOC number as in (+N or -N). For example: <pre data-bbox="605 401 1404 453">* ProjectA/main.jsp: 115 +15 (85 +15)</pre> In the previous example, the comparison shows that the number of lines of code in main.jsp is different between the two FPR files. There are 15 additional total LOC.
-project <project>.fpr	Specifies the FPR from which to extract the results information.
-listIssues	<p>Displays the location for each issue in one of the following formats:</p> <pre data-bbox="591 737 1404 810"><sink_filename>:<line_num> or <sink_filename>:<line_num> (<category> <analyzer>)</pre> <p>You can also use the -listIssues option with -search and with both issueCounts grouping options. If you group by -categoryIssueCounts, then the output includes (<analyzer>) and if you group by -analyzerIssueCounts, then the output includes (<category>).</p> <p>If you specify the -outputFormat CSV option, then each issue is displayed on one line in the format:</p> <pre data-bbox="574 1108 1404 1192">"<instanceid>", "<category>", "<sink_filename>:<line_num>", "<analyzer>"</pre>
-filterSet <filterset_name>	<p>Displays only the issues and counts that pass the filters specified in the filter set. Filter sets are ignored without this option.</p> <p>Important! You must use -search with this option.</p>
-f <output>	Specifies the output file. The default is System.out.
-outputFormat TEXT CSV	Specifies the output format. The default value is TEXT.
-debug	Displays debug information that can be helpful to troubleshoot issues with FPRUtility.

FPRUtility Signature Exit Codes

Upon completion of the `-information -signature` command, FPRUtility provides one of the exit codes described in the following table.

Exit Code	Description
0	The project is signed, and all the signatures are valid.
1	The project is signed, and some, but not all, of the signatures passed the validity test.
2	The project is signed but none of the signatures are valid.
3	The project had no signatures to validate.

Extracting a Source Archive from an FPR File

The FPRUtility `-sourceArchive` option creates a source archive (FSA) file from a specified FPR file and removes the source code from the FPR file. You can extract the source code from an FPR file, merge an existing source archive (FSA) back into an FPR file, or recover source files from a source archive.

To archive data:

```
FPRUtility -sourceArchive -extract -project <project>.fpr -f <output_
archive>.fsa
```

To archive data to a directory:

```
FPRUtility -sourceArchive -extract -project <project>.fpr \
-recoverSourceDirectory -f <output_dir>
```

To add an archive to an FPR file:

```
FPRUtility -sourceArchive -mergeArchive -project <project>.fpr \
-source <old_source_archive>.fsa -f <project_with_archive>.fpr
```

To recover files that are missing from an FPR file:

```
FPRUtility -sourceArchive -fixSecondaryFileSources \
-payload <source_archive>.zip -project <project>.fpr -f <output>.fpr
```

FPRUtility Source Archive Options

The following table lists the FPRUtility options that apply to working with the source archive.

FPRUtility Option	Description
-sourceArchive	Creates an FSA file so that you can extract a source archive.
One of: -extract -mergeArchive -fixSecondaryFileSources	Use the -extract option to extract the contents of the FPR file. Use the -mergeArchive option to merge the contents of the FPR file with an existing archived file (-source option). Use the -fixSecondaryFileSources option to recover source files from a source archive (-payload option) missing from an FPR file.
-project <project>.fpr	Specifies the FPR to archive.
-recoverSourceDirectory	Use with the -extract option to extract the source as a directory with restored source files.
-source <old_source_archive>.fsa	Specifies the name of the existing archive. Use only if you are merging an FPR file with an existing archive (-mergeArchive option).
-payload <source_archive>.zip	Use with the -fixSecondaryFileSources option to specify the source archive from which to recover source files.
-f <project_with_archive>.fpr <output_archive>.fsa <output_dir>	Specifies the output file. You can generate an FPR, a directory, or an FSA file.
-debug	Displays debug information that can be helpful to troubleshoot issues with FPRUtility.

Altering FPR Files

Use the FPRUtility `-trimToLastScan` option to remove the previous scan results from a merged project (FPR). This reduces the size of the FPR file when you no longer need the previous scan results. This can also reduce the time it takes to open an FPR in Fortify Audit Workbench.

To remove the previous scan from the FPR:

```
FPRUtility -trimToLastScan -project <merged_project>.fpr [-f <output>.fpr]
```

FPRUtility Alter FPR File Options

FPRUtility Option	Description
<code>-trimToLastScan</code>	Removes the previous scan results from a merged project.
<code>-project <merged_project>.fpr</code>	Specifies the merged FPR to alter. If this project is not a merged project, then the FPR file remains unchanged.
<code>-f <output>.fpr</code>	Specifies the name of the altered output file. If you do not specify this option, then the merged FPR is altered.

Allocating More Memory for FPRUtility

Performing tasks with large and complex FPR files might trigger out-of-memory errors. By default, 1000 MB is allocated for FPRUtility. To increase the memory, add the `-Xmx` option to the command line. For example, to allocate 2 GB for FPRUtility, use the following command:

```
FPRUtility -Xmx2G -merge -project <primary>.fpr -source <secondary>.fpr \  
-f <output>.fpr
```

Chapter 4: Configuration Options

The OpenText™ Application Security Tools installer places a set of properties files on your system. Properties files contain configurable settings for OpenText SAST applications and tools. Some properties described in this chapter already exist in the properties file, and some of them you must add yourself. You can modify any of the properties in the configuration file with a text editor.

This section contains the following topics:

- [Properties File Format](#) 47
- [Configuration Options for Java-Based Applications and IDE Plugins](#) 47
- [Configuration Options for Fortify Extension for Visual Studio](#) 63
- [Shared Configuration Options](#) 66

Properties File Format

In a properties file, each property consists of a pair of strings: the first string is the property name and the second string is the property value.

```
com.fortify.log.console=false
```

As shown above, the property disables console logging. The property name is `com.fortify.log.console` and the value is set to `false`.

Configuration Options for Java-Based Applications and IDE Plugins

This section describes the properties to configure the following Java-based OpenText SAST applications.

- Fortify Audit Workbench
- Fortify Custom Rules Editor
- Fortify Plugins for Eclipse, IntelliJ IDEA, and Android Studio

The following table lists the OpenText SAST application acronyms used in this section.

Acronym	Fortify Application / Plugin / Extension
AWB	Fortify Audit Workbench

Acronym	Fortify Application / Plugin / Extension
CRE	Fortify Custom Rules Editor
ECP	Fortify Plugin for Eclipse
IAP	Fortify Analysis Plugin for IntelliJ IDEA and Android Studio

Where to Find the Properties File

The location of the properties file `fortify.properties` varies for the different OpenText SAST applications. The following table provides the location of the properties file for the applications described in this chapter.

Fortify Application	Property File Location
AWB, CRE	<code><tools_install_dir>/Core/config</code> <div style="background-color: #f0f0f0; padding: 5px;"> <p>Note: After you specify the location of the OpenText SAST executable from Fortify Audit Workbench, the location of the properties file changes to <code><sca_install_dir>/Core/config</code> for AWB.</p> </div>
ECP	<code><eclipse_install_dir>/plugins/com.fortify.dev.ide.eclipse_<version>/Core/config</code> or if Eclipse was installed with an installer: <code><userhome>/p2/pool/plugins/com.fortify.dev.ide.eclipse_<version>/Core/config</code>
IAP	<code><IDE_product_plugins_dir>/Core/config</code> The following is an example location on Windows: <div style="background-color: #f0f0f0; padding: 5px;"> <code>C:\Users\<username>\AppData\Roaming\JetBrains\Idea<version>\plugins\Fortify\config</code> </div>

Java-Based Applications and IDE Plugin Properties

Some properties described in this section already exist in the `fortify.properties` file, and some of them you must add yourself. The colored boxes in the Details column indicate which OpenText SAST applications use the property. To find this properties file for the various products, see ["Where to Find the Properties File" above](#).

The following table describes the properties in the `fortify.properties` file.

Property	Details				
<code>com.fortify.audit.ui.DisableAddingFolders</code>	<p>If set to true, disables the add folder functionality.</p> <p>Default: false</p> <p>Tools Affected:</p> <table border="1"> <tr> <td>AWB</td> <td>ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
<code>com.fortify.audit.ui.DisableBugtrackers</code>	<p>If set to true, disables bug tracker integration.</p> <p>Default: false</p> <p>Tools Affected:</p> <table border="1"> <tr> <td>AWB</td> <td>ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
<code>com.fortify.audit.ui.DisableEditingCustomTags</code>	<p>If set to true, removes the ability to edit custom tags.</p> <p>Default: false</p> <p>Tools Affected:</p> <table border="1"> <tr> <td>AWB</td> <td>ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
<code>com.fortify.audit.ui.DisableSuppress</code>	<p>If set to true, disables issue suppression.</p> <p>Default: false</p> <p>Tools Affected:</p> <table border="1"> <tr> <td>AWB</td> <td>ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
<code>com.fortify.AuthenticationKey</code>	<p>Specifies the directory to store the encrypted Fortify Software Security Center authentication token.</p> <p>Default: <code>\${com.fortify.WorkingDirectory}/config/tools</code></p> <p>Tools Affected:</p> <table border="1"> <tr> <td>AWB</td> <td>ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
<code>com.fortify.awb.Debug</code>	<p>If set to true, Fortify Audit Workbench runs in debug mode.</p> <p>Default: false</p> <p>Tools Affected:</p> <table border="1"> <tr> <td>AWB</td> <td>ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		

Property	Details				
<p>com.fortify. awb.javaExtensions</p>	<p>Specifies the file extensions (comma-delimited) to treat as Java files during a scan.</p> <p>If this property is empty, Fortify Audit Workbench and the Fortify Plugin for Eclipse recognize .java, .jsp, and .jspx files as Java files. The property only determines whether a project includes Java files and to add Java-specific controls to the Advanced Scan wizard.</p> <p>Default: none</p> <p>Tools Affected:</p> <table border="1" data-bbox="597 642 1409 705"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
<p>com.fortify. awb.forceGCOOnProjectClose</p>	<p>If set to true, garbage collection is run and heap space is released when you close a project. This reduces the increased Java process memory consumption when working with small FPR files. When Fortify Audit Workbench runs with G1GC garbage collection, the Java process can return free memory back to the operating system when the project is closed.</p> <p>Default: false</p> <p>Tools Affected:</p> <table border="1" data-bbox="597 1087 1409 1150"> <tr> <td style="background-color: #92d050;">AWB</td> <td>ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
<p>com.fortify. awb.LinuxFontAdjust</p>	<p>Specifies the font size to use on Linux platforms. Fortify Audit Workbench adds the specified size to original font size.</p> <p>Default: 0</p> <p>Tools Affected:</p> <table border="1" data-bbox="597 1381 1409 1444"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td style="background-color: #92d050;">CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
<p>com.fortify. awb.MacFontAdjust</p>	<p>Specifies to tune font size for the macOS platform. Fortify Audit Workbench adds the specified size to the original font size.</p> <p>Default: 2</p> <p>Tools Affected:</p> <table border="1" data-bbox="597 1675 1409 1738"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td style="background-color: #92d050;">CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
<p>com.fortify. awb.WindowsFontAdjust</p>	<p>Specifies to tune the font size for the Windows platform. Fortify Audit Workbench adds the specified size to original font size.</p> <p>Default: 0</p>				

Property	Details				
	<p>Tools Affected:</p> <table border="1" data-bbox="597 323 1409 386"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td style="background-color: #92d050;">CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
com.fortify. Debug	<p>If set to true, runs the OpenText SAST applications in debug mode.</p> <p>Default: false</p> <p>Tools Affected:</p> <table border="1" data-bbox="597 579 1409 642"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
com.fortify. DisableDescriptionXML Escaping	<p>If set to true, disables XML escaping in issue descriptions (for example, changing &quot; in XML/FVDL to ").</p> <p>Default: false</p> <p>Tools Affected:</p> <table border="1" data-bbox="597 873 1409 936"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
com.fortify. DisableExternalEntry Correlation	<p>If set to true, parses URL in the ExternalEntries/Entry element in the FVDL file.</p> <p>Default: false</p> <pre data-bbox="597 1115 1409 1503" style="background-color: #f0f0f0; padding: 10px;"> <ExternalEntries> <Entry name="HTML Form" type="URL"> <URL>/auth/PerformChangePass.action</URL> <SourceLocation path="pages/content/ ChangePass.jsp" line="16" lineEnd="16" colStart="0" colEnd="0" snippet= "1572130B944CEC7A3D98775A499AE8FA#pages/ content/ChangePass.jsp:16:16"/> </Entry> </ExternalEntries> </pre> <p>Tools Affected:</p> <table border="1" data-bbox="597 1581 1409 1644"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
com.fortify. DisableMinVirtCallConfidence Computation	<p>If set to true, disables computing minimum virtual call confidence.</p> <p>Fortify Audit Workbench and the Fortify Plugin for Eclipse use this attribute to compute minimum virtual call confidence and enable issue filtering. For example, you can use it to filter out all issues that contain a virtual call with confidence lower than 0.46.</p>				

Property	Details				
	<p>Default: false</p> <p>Tools Affected:</p> <table border="1" data-bbox="597 380 1409 443"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
com.fortify. DisableRemovedIssue Persistence	<p>If set to true, disables removed issue persistence (clears removed issues from the FPR file).</p> <p>Default: false</p> <p>Tools Affected:</p> <table border="1" data-bbox="597 674 1409 737"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
com.fortify. DisableReportCategory Rendering	<p>If set to true, disables rendering issue description into reports.</p> <p>Default: false</p> <p>Tools Affected:</p> <table border="1" data-bbox="597 926 1409 989"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
com.fortify. DisplayEventID	<p>If set to true, displays the event ID in the issue node tooltip in the Issues view.</p> <p>Default: false</p> <p>Tools Affected:</p> <table border="1" data-bbox="597 1220 1409 1283"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
com.fortify. eclipse.Debug	<p>If set to true, runs the plugin in debug mode.</p> <p>Default: false</p> <p>Tools Affected:</p> <table border="1" data-bbox="597 1472 1409 1535"> <tr> <td>AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
com.fortify. InstallationUserName	<p>Specifies the default user name for logging in to Fortify Software Security Center for the first time.</p> <p>Default: \${user.name}</p> <p>Tools Affected:</p> <table border="1" data-bbox="597 1766 1409 1829"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td style="background-color: #92d050;">CRE</td> <td style="background-color: #92d050;">IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		

Property	Details				
<p>com.fortify. locale</p>	<p>Specifies the locale (for rules and metadata only). The possible values are:</p> <ul style="list-style-type: none"> en (English) es (Spanish) ja (Japanese) ko (Korean) pt_BR (Brazilian Portuguese) zh_CN (Simplified Chinese) zh_TW (Traditional Chinese) <p>Default: en</p> <p>Tools Affected:</p> <table border="1" data-bbox="597 825 1409 888"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td style="background-color: #92d050;">CRE</td> <td style="background-color: #92d050;">IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
<p>com.fortify. model.CheckSig</p>	<p>If set to true, verifies the signature in the FPR file.</p> <p>If com.fortify.model.UseIssueParseFilters is set to true, then com.fortify.model.MinimalLoad is set to true, com.fortify.model.IssueCutoffStartIndex is not null, com.fortify.model.IssueCutoffEndIndex is not null, com.fortify.model.IssueCutoffByCategoryStartIndex is not null or com.fortify.model.IssueCutoffByCategoryEndIndex is not null, com.fortify.model.CheckSig is false, and the signature in FPRs are not verified.</p> <p>Default: true (normal) / false (minimum load)</p> <p>Tools Affected:</p> <table border="1" data-bbox="597 1402 1409 1465"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td style="background-color: #92d050;">CRE</td> <td style="background-color: #92d050;">IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
<p>com.fortify. model.CustomDescriptions Header</p>	<p>Specifies a custom prefix for the description header. It prepends the text in the Description/Recommendation header, so that you see “My Recommendations” instead of “Custom Recommendations.”</p> <div style="background-color: #f0f0f0; padding: 5px; margin: 10px 0;"> <p>Note: To update description headers, OpenText recommends that you use the <CustomDescriptionRule> rule with the <Header> element text instead.</p> </div> <p>Default: none</p>				

Property	Details				
	<p>Tools Affected:</p> <table border="1" data-bbox="597 321 1409 384"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
<p>com.fortify. model.DisableChopBuildID</p>	<p>If set to true, does not shorten the build ID, even if the build ID exceeds 250 characters.</p> <p>Default: false</p> <p>Tools Affected:</p> <table border="1" data-bbox="597 615 1409 678"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
<p>com.fortify. model.DisableContextPool</p>	<p>If set to true, disables loading the ContextPool section of the FVDL file. You can configure this property if com.fortify.model.MinimalLoad is not set to true. If com.fortify.model.MinimalLoad is set to true, then com.fortify.model.DisableContextPool is automatically set to true.</p> <p>Default: false</p> <p>Tools Affected:</p> <table border="1" data-bbox="597 1041 1409 1104"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
<p>com.fortify. model.DisableDescription</p>	<p>If set to true, disables loading the Description section from the FVDL file. You can configure this property if com.fortify.model.MinimalLoad is not set to true. If com.fortify.model.MinimalLoad is true, then com.fortify.model.DisableDescription is automatically set to true.</p> <p>Default: false</p> <p>Tools Affected:</p> <table border="1" data-bbox="597 1503 1409 1566"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
<p>com.fortify. model.DisableEngineData</p>	<p>If set to true, disables loading the EngineData section of the FVDL file to save memory when large FPR files are opened. This data is displayed on the Analysis Information tab of Project Summary view. The property is useful if too many analysis warnings occur during a scan. However, OpenText recommends that you instead set a limit for com.fortify.model.MaxEngineErrorCount to open FPR files that have many OpenText SAST warnings.</p>				

Property	Details				
	<p>Also see "com.fortify.model.MaxEngineErrorCount " on page 58</p> <p>Default: false</p> <p>Tools Affected:</p> <table border="1" data-bbox="597 436 1409 499"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
<p>com.fortify.model.DisableProgramInfo</p>	<p>If set to true, disables use of the code navigation features in Fortify Audit Workbench.</p> <p>You can configure this property if com.fortify.model.MinimalLoad is not true. If com.fortify.model.MinimalLoad is set to true, then this property is automatically set to true.</p> <p>Also see "com.fortify.model.MinimalLoad " on page 59</p> <p>Default: false</p> <p>Tools Affected:</p> <table border="1" data-bbox="597 915 1409 978"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
<p>com.fortify.model.DisableProgramPoint</p>	<p>If set to true, disables loading of the ProgramPoint section from the runtime.fvdl file.</p> <p>Default: false</p> <p>Tools Affected:</p> <table border="1" data-bbox="597 1209 1409 1272"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
<p>com.fortify.model.DisableReplacement Parsing</p>	<p>If set to true, disables replacing the conditional description.</p> <p>You can configure this property if com.fortify.model.MinimalLoad is not set to true. If com.fortify.model.MinimalLoad is true, then this property is automatically set to true.</p> <p>Also see "com.fortify.model.MinimalLoad " on page 59</p> <p>Default: false</p> <p>Tools Affected:</p> <table border="1" data-bbox="597 1650 1409 1713"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
<p>com.fortify.model.DisableSnippets</p>	<p>If set to true, disables loading the Snippets section from the FVDL file.</p> <p>You can configure this property if com.fortify.model.MinimalLoad is set to false. If com.fortify.model.MinimalLoad is set to true, then</p>				

Property	Details				
	<p><code>com.fortify.model.DisableSnippets</code> is automatically set to true.</p> <p>Default: false</p> <p>Tools Affected:</p> <table border="1" data-bbox="597 436 1414 499"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
<p><code>com.fortify.model.DisableUnifiedInductions</code></p>	<p>If set to true, disables loading the <code>UnifiedInductionPool</code> section from the FVDL file.</p> <p>You can configure this property if <code>com.fortify.model.MinimalLoad</code> is not set to true. If <code>com.fortify.model.MinimalLoad</code> is set to true, then <code>com.fortify.model.DisableUnifiedInductions</code> is automatically set to true.</p> <p>Default: false</p> <p>Tools Affected:</p> <table border="1" data-bbox="597 898 1414 961"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
<p><code>com.fortify.model.DisableUnifiedPool</code></p>	<p>If set to true, disables loading the <code>UnifiedNodePool</code> section from the FVDL file.</p> <p>You can configure this property if <code>com.fortify.model.MinimalLoad</code> is set to false. If <code>com.fortify.model.MinimalLoad</code> is true, then <code>com.fortify.model.DisableUnifiedPool</code> is automatically set to true. If the value is not specified or false, this property is set to none.</p> <p>Default: false</p> <p>Tools Affected:</p> <table border="1" data-bbox="597 1360 1414 1423"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
<p><code>com.fortify.model.DisableUnifiedTrace</code></p>	<p>If set to true, disables loading the <code>UnifiedTracePool</code> section from the FVDL file.</p> <p>You can configure this property if <code>com.fortify.model.MinimalLoad</code> is not set to true. If <code>com.fortify.model.MinimalLoad</code> is true, then <code>com.fortify.model.DisableUnifiedTrace</code> is automatically set to true.</p> <p>Default: false</p> <p>Tools Affected:</p> <table border="1" data-bbox="597 1822 1414 1885"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		

Property	Details				
com.fortify. model.EnableSource Correlation	<p>If set to <code>true</code>, takes data flow source into consideration for issue correlation. The default is <code>false</code> because correlations with runtime results might not be reliable with this setting enabled.</p> <p>Default: <code>false</code></p> <p>Tools Affected:</p> <table border="1"> <tr> <td>AWB</td> <td>ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
com.fortify. model.ExecMemorySetting	<p>Specifies the JVM heap memory size in megabytes that Fortify Audit Workbench uses to start external utilities.</p> <p>Default:</p> <p>600—iidmigrator</p> <p>300—fortifyupdate</p> <p>Tools Affected:</p> <table border="1"> <tr> <td>AWB</td> <td>ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
com.fortify. model.ForceIIDMigration	<p>If set to <code>true</code>, forces running Instance ID migration during a merge.</p> <p>Default: <code>false</code></p> <p>Tools Affected:</p> <table border="1"> <tr> <td>AWB</td> <td>ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
com.fortify. model.FullReportFileNames	<p>If set to <code>true</code>, uses the full file name in reports.</p> <p>Default: <code>false</code></p> <p>Tools Affected: Also used the FPRUtility command-line tool</p> <table border="1"> <tr> <td>AWB</td> <td>ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
com.fortify. model.IIDmigratorOptions	<p>Specifies iidmigrator options (space-delimited values).</p> <p>Default: none</p> <p>Tools Affected:</p> <table border="1"> <tr> <td>AWB</td> <td>ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
com.fortify. model.IssueCutoffByCategory StartIndex	<p>Specifies the start index for issue cutoff by category.</p> <p>Default: 0</p>				

Property	Details				
	<p>Tools Affected:</p> <table border="1" data-bbox="597 321 1409 384"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
<p>com.fortify. model.IssueCutoffByCategory EndIndex</p>	<p>Specifies the end index for issue cutoff by category.</p> <p>Default: <code>java.lang.Integer.MAX_VALUE</code></p> <p>Tools Affected:</p> <table border="1" data-bbox="597 577 1409 640"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
<p>com.fortify. model.IssueCutoffStartIndex</p>	<p>Specifies the start index for issue cutoff. Select the first issue (by number) to load.</p> <p>Default: <code>0</code></p> <p>Tools Affected:</p> <table border="1" data-bbox="597 871 1409 934"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
<p>com.fortify. model.IssueCutoffEndIndex</p>	<p>Specifies the end index for issue cutoff. Select the last issue (by number) to load.</p> <p>Default: <code>java.lang.Integer.MAX_VALUE</code></p> <p>Tools Affected:</p> <table border="1" data-bbox="597 1165 1409 1228"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
<p>com.fortify. model.MaxEngineErrorCount</p>	<p>Specifies how many reported OpenText SAST warnings to load. To allow an unlimited number, specify -1.</p> <p>OpenText recommends that you keep the default value of 3000 because this can speed up the load time of large FPR files.</p> <p>Default: <code>3000</code></p> <p>Tools Affected: Also used by FPRUtility</p> <table border="1" data-bbox="597 1554 1409 1617"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
<p>com.fortify. model.MergeResolveStrategy</p>	<p>Specifies the merge resolve strategy to one of the following:</p> <ul style="list-style-type: none"> • <code>DefaultToMasterValue</code> (use primary project) • <code>DefaultToImportValue</code> (use secondary project) • <code>NoStrategy</code> (prompt for project to use) 				

Property	Details				
	<p>Default: DefaultToMasterValue</p> <p>Tools Affected:</p> <table border="1" data-bbox="597 380 1409 443"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
com.fortify.model.MinimalLoad	<p>If set to true, minimizes the data loaded from an FPR file.</p> <p>Default: false</p> <p>Tools Affected:</p> <table border="1" data-bbox="597 636 1409 699"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
com.fortify.model.NProcessingThreads	<p>Specifies the number of threads used to process FPR files.</p> <p>If the com.fortify.model.PersistDataToDisk property is set to true, this value defaults to one thread.</p> <p>If the number specified exceeds the number of available processors, then OpenText SAST tools use the number of available processors as the number of threads to process FPR files.</p> <p>Also see: "com.fortify.model.PersistDataToDisk" below</p> <p>Default: Number of available processors</p> <p>Tools Affected: Also used by FPRUtility</p> <table border="1" data-bbox="597 1171 1409 1234"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
com.fortify.model.PersistDataToDisk	<p>If set to true, enables a persistence strategy to reduce the memory footprint and uses the disk drive to swap FPR data out of memory.</p> <p>Default: false</p> <p>Tools Affected:</p> <table border="1" data-bbox="597 1465 1409 1528"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
com.fortify.model.PersistenceBlockSize	<p>This property specifies the number of attribute values that comprise a single block of attributes. These blocks are cached to disk and read back in as needed. A larger number decreases the total number of cache files, but increases the file size and the amount of memory that is read in each time.</p> <p>Default: 250</p> <p>Tools Affected:</p>				

Property	Details				
	<table border="1" style="width: 100%; text-align: center;"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
com.fortify. model.PersistenceQueue Capacity	<p>This property specifies the maximum number of attribute value blocks that can exist in the producer/consumer queue.</p> <p>Default: queue is unbounded</p> <p>Tools Affected:</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
com.fortify. model.PriorityImpact Threshold	<p>Specifies the threshold for issue impact. The valid values are 0.0F–5.0F. If the impact of an issue is greater than or equal to the threshold, the issue is considered High. If the impact of an issue is less than the threshold, the issue is considered Low. Issues are then categorized as follows:</p> <ul style="list-style-type: none"> • Critical—High Impact and High Likelihood • High—High Impact and Low Likelihood • Medium—Low Impact and High Likelihood • Low—Low Impact and Low Likelihood <p>Also see "com.fortify.model.PriorityLikelihoodThreshold" below</p> <p>Default: 2.5F</p> <p>Tools Affected:</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td style="background-color: #92d050;">AWB</td> <td style="background-color: #92d050;">ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
com.fortify. model.PriorityLikelihood Threshold	<p>Specifies the threshold for issue likelihood. The valid values are 0.0F–5.0F. If the likelihood of an issue is greater than or equal to the threshold, the issue is considered High. If the likelihood of an issue is less than the threshold, the issue is considered Low. Issues are then categorized as follows:</p> <ul style="list-style-type: none"> • Critical—High Impact and High Likelihood • High—High Impact and Low Likelihood • Medium—Low Impact and High Likelihood • Low—Low Impact and Low Likelihood <p>Also see "com.fortify.model.PriorityImpactThreshold" above</p> <p>Default: 2.5F</p> <p>Tools Affected:</p>				

Property	Details				
	<table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 25%; background-color: #92d050;">AWB</td> <td style="width: 25%; background-color: #92d050;">ECP</td> <td style="width: 25%;">CRE</td> <td style="width: 25%;">IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
<p>com.fortify. model.report.useSystemLocale</p>	<p>If set to true, uses the system locale for report output. If set to false, uses com.fortify.locale in the fortify.properties file. If a value is not specified, the tool uses java.util.Locale.getDefault().</p> <p>Default: false</p> <p>Tools Affected:</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 25%; background-color: #92d050;">AWB</td> <td style="width: 25%; background-color: #92d050;">ECP</td> <td style="width: 25%;">CRE</td> <td style="width: 25%;">IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
<p>com.fortify. model.ReportLineLimit</p>	<p>Specifies the character limit for each issue code snippet in reports.</p> <p>Default: 500</p> <p>Tools Affected:</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 25%; background-color: #92d050;">AWB</td> <td style="width: 25%; background-color: #92d050;">ECP</td> <td style="width: 25%;">CRE</td> <td style="width: 25%;">IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
<p>com.fortify. model.UseIIDMigrationFile</p>	<p>Specifies the full path of the instance ID migration file to use.</p> <p>Default: none</p> <p>Tools Affected: Also used by FPRUtility</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 25%; background-color: #92d050;">AWB</td> <td style="width: 25%; background-color: #92d050;">ECP</td> <td style="width: 25%;">CRE</td> <td style="width: 25%;">IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
<p>com.fortify. model.UseIssueParseFilters</p>	<p>If set to true, respects the settings in the IssueParseFilters.properties configuration file. This file is in the following directories:</p> <p>AWB—<tools_install_dir>/Core/config</p> <p>ECP—<eclipse_install_dir>/plugins/com.fortify.dev.ide.eclipse_<version>/Core/config</p> <p>Default: false</p> <p>Tools Affected:</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 25%; background-color: #92d050;">AWB</td> <td style="width: 25%; background-color: #92d050;">ECP</td> <td style="width: 25%;">CRE</td> <td style="width: 25%;">IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
<p>com.fortify. model.UseOldIIDMigration Attributes</p>	<p>If set to true, uses attributes of old issues during instance ID migration while merging similar issues of old and new scans.</p> <p>Default: false</p> <p>Tools Affected:</p>				

Property	Details				
	<table border="1"> <tr> <td>AWB</td> <td>ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
com.fortify. RemovedIssuePersistenceLimit	<p>Specifies how many removed issues to keep when you save an FPR.</p> <p>Default: 1000</p> <p>Tools Affected:</p> <table border="1"> <tr> <td>AWB</td> <td>ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
com.fortify. SCAExecutablePath	<p>Specifies the file path to sourceanalyzer.exe.</p> <p>Tools Affected:</p> <table border="1"> <tr> <td>AWB</td> <td>ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
com.fortify. search.defaultSyntaxVer	<p>Specifies whether to use the AND and OR operators in searches. These are enabled in search syntax by default.</p> <ul style="list-style-type: none"> To block the use of the AND and OR operators, set the value to 1. To use ANDs and ORs without parentheses, set the value to 2. <p>Default: 2</p> <p>Tools Affected:</p> <table border="1"> <tr> <td>AWB</td> <td>ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
com.fortify. StoreOriginalDescriptions	<p>If set to true, stores original plain text issue descriptions (before parsing) as well as the parsed ones with tags replaced with specific values.</p> <p>Default: false</p> <p>Tools Affected:</p> <table border="1"> <tr> <td>AWB</td> <td>ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
com.fortify. taintFlagBlacklist	<p>Specifies taint flags to exclude (comma-delimited values).</p> <p>Default: none</p> <p>Tools Affected:</p> <table border="1"> <tr> <td>AWB</td> <td>ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
com.fortify. tools.iidmigrator.scheme	<p>Set this property to migrate instance IDs created with different versions of OpenText SAST using a custom matching scheme. This is handled by OpenText SAST. If you need a custom matching scheme, contact</p>				

Property	Details				
	<p>Customer Support.</p> <p>Default: none</p> <p>Tools Affected:</p> <table border="1"> <tr> <td>AWB</td> <td>ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
com.fortify. UseSourceProjectTemplate	<p>This property determines the issue template to use when merging analysis information from two audit projects. If set to true, it forces the use of filter sets and folders from the issue template associated with the original scan results (secondary project). The issue template from the new scan results (primary project) is used by default.</p> <p>Default: false</p> <p>Tools Affected: Also used by FPRUtility</p> <table border="1"> <tr> <td>AWB</td> <td>ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		
com.fortify. WorkingDirectory	<p>Specifies the working directory that contains all user configuration and working files for all OpenText SAST applications and Java IDE plugins. To configure this property, you must have write access to the directory.</p> <p>Defaults:</p> <ul style="list-style-type: none"> Windows—<code>\${win32.LocalAppdata}/Fortify</code> Non-Windows—<code>\${user.home}/.fortify</code> <p>Tools Affected:</p> <table border="1"> <tr> <td>AWB</td> <td>ECP</td> <td>CRE</td> <td>IAP</td> </tr> </table>	AWB	ECP	CRE	IAP
AWB	ECP	CRE	IAP		

Configuration Options for Fortify Extension for Visual Studio

This section describes the properties Fortify Extension for Visual Studio uses. The properties are listed in alphabetical order based on the files in which they belong.

Fortify Extension for Visual Studio Properties

Some properties described here already exist in the `fortify.properties` file, and some of them you must add yourself. The following table describes the properties in the `<tools_install_dir>/Core/config/fortify.properties` file.

Property	Details
com.fortify.audit.ui.DisableBugtrackers	If set to true, disables bug tracker integration. Default: false
com.fortify.audit.ui.DisableSuppress	If set to true, disables issue suppression. Default: false
com.fortify.AuthenticationKey	Specifies the directory used to store the encrypted Fortify Software Security Center authentication token. Default: <code>\${com.fortify.WorkingDirectory}/config/VS<vs_version>-<extension_version></code>
com.fortify.Debug	If set to true, runs all OpenText SAST tools in debug mode. Default: false
com.fortify.model.CustomDescriptionsHeader	Specifies the custom prefix for the description header. It prepends the text in the Description/Recommendation header, so that you see “My Recommendations” instead of “Custom Recommendations.” Note: To update description headers, OpenText recommends that you use the <code><CustomDescriptionRule></code> rule with the <code><Header></code> element text instead. Default: none
com.fortify.model.ForceIIDMigration	If set to true, forces running Instance ID migration during a merge. Default: false
com.fortify.model.PriorityImpactThreshold	Specifies the threshold for issue impact. The valid values are 0.0F–5.0F. If the impact of an issue is greater than or equal to the threshold, the issue is considered High. If the impact of an issue is less than the threshold, the issue is considered Low. Issues are then categorized as follows: <ul style="list-style-type: none"> • Critical—High Impact and High Likelihood • High—High Impact and Low Likelihood • Medium—Low Impact and High Likelihood • Low—Low Impact and Low Likelihood Also see " com.fortify.model.PriorityLikelihoodThreshold " below Default: 2.5F
com.fortify.model.PriorityLikelihoodThreshold	Specifies the threshold for issue likelihood. The valid values are 0.0F–5.0F. If the likelihood of an issue is greater than or equal to the

Property	Details
	<p>threshold, the issue is considered High. If the likelihood of an issue is less than the threshold, the issue is considered Low. Issues are then categorized as follows:</p> <ul style="list-style-type: none"> • Critical—High Impact and High Likelihood • High—High Impact and Low Likelihood • Medium—Low Impact and High Likelihood • Low—Low Impact and Low Likelihood <p>Also see "com.fortify.model.PriorityImpactThreshold" on the previous page</p> <p>Default: 2.5F</p>
com.fortify.model.UseIIDMigrationFile	<p>Specifies the full path of the instance ID migration file to use.</p> <p>Default: none</p>
com.fortify.SCAExecutablePath	<p>Specifies file path to sourceanalyzer.exe.</p>
com.fortify.search.defaultSyntaxVer	<p>Specifies whether to use the AND and OR operators in searches. These are enabled in search syntax by default.</p> <ul style="list-style-type: none"> • To block the use of the AND and OR operators, set the value to 1. • To use ANDs and ORs without parentheses, set the value to 2. <p>Default: 2</p>
com.fortify.tools.iidmigrator.scheme	<p>Set this property to migrate instance IDs created with different versions of OpenText SAST using a custom matching scheme. This is handled by OpenText SAST. If you need a custom matching scheme, contact Customer Support.</p> <p>Default: none</p>
com.fortify.visualstudio.vm.args	<p>Specifies JVM options.</p> <p>Default: -Xmx256m</p>
com.fortify.VS.Debug	<p>If set to true, runs the Fortify Extension for Visual Studio in debug mode.</p> <p>Default: false</p>
com.fortify.VS.DisableCIntegration	<p>If set to true, disables C/C++ build integration in Visual Studio.</p> <p>Default: false</p>

Property	Details
com.fortify. VS.disableMigrationCheck	If set to true, disables instance ID migration checking. Default: false
com.fortify. VS.DisableReferenceLibDirs AndExcludes	If set to true, disables using references added to a project. Default: false
com.fortify. VS.ListProjectProperties	If set to true, lists the Visual Studio project properties in a log file. Default: false
com.fortify. VS.NETFrameworkRoot	Specifies the file path to the .NET Framework root. Default: none
com.fortify. WorkingDirectory	Specifies the working directory that contains all user configuration and working files for Fortify Extension for Visual Studio. To configure this property, you must have write access to the directory. Default: \${win32.LocalAppdata}/Fortify

Azure DevOps Server Configuration Property

The property for the Azure DevOps Server is stored in the `TFSconfiguration.properties`. This file is located in the Fortify working directory in the `config\VS<vs_version>-<sca_version>` directory.

Note: The `TFSconfiguration.properties` file is created only after the first time you configure a connection to your Azure DevOps Server from the Fortify Extension for Visual Studio.

The following property is in the `TFSconfiguration.properties` file:

`server.url`

Details: Specifies the Azure DevOps Server location.

Default: none

Shared Configuration Options

This section describes the properties shared by OpenText SAST applications and command-line tools.

Server Properties

Because some values in this file are encrypted (such as proxy user name and password), you must use the `scapostinstall` tool to configure these properties. For information about how to use the

scapostinstall tool, see the *OpenText™ Static Application Security Testing User Guide*.

Other properties are updated using command-line tools, and standalone applications (such as Fortify Audit Workbench). OpenText recommends that you use these tools to edit the properties in this file instead of editing the file manually.

The following table describes the properties in the `<tools_install_dir>/Core/config/server.properties` file.

Note: After you specify the location of the OpenText SAST executable from Fortify Audit Workbench or Fortify Extension for Visual Studio, the location of the properties file changes to `<sca_install_dir>/Core/config`.

Property	Details
autoupgrade.server	Specifies the automatic update server. This enables users to check for new versions of the OpenText SAST and the OpenText™ Application Security Tools installer on a Fortify Software Security Center server and run the installer if an update is available. Default: <code>http://localhost:8180/ssc/update-site/installers</code>
install.auto.upgrade	If set to <code>true</code> , enables Fortify Audit Workbench automatic update feature. Default: <code>false</code>
oneproxy.http.proxy.port	Specifies the proxy server port to access bug trackers. Default: <code>none</code>
oneproxy.http.proxy.server	Specifies the proxy server name to access bug trackers. Default: <code>none</code>
oneproxy.https.proxy.port	Specifies the proxy server port to access bug trackers through an SSL connection. Default: <code>none</code>
oneproxy.https.proxy.server	Specifies the proxy server name to access bug trackers through an SSL connection. Default: <code>none</code>
rp.update.from.manager	If set to <code>true</code> , updates security content from Fortify Software Security Center instead of from the Fortify Rulepack update server. Default: <code>false</code>

Property	Details
rulepack.auto.update	If set to true, updates security content automatically. Default: false
rulepack.days	Specifies the interval (in days) between security content updates. Default: 15
rulepackupdate.proxy.port	Specifies the proxy server port to access the Fortify Rulepack update server (uploadclient.proxy.port is used if rp.update.from.manager is set to true). Also see "rp.update.from.manager" on the previous page Default: none
rulepackupdate.proxy.server	Specifies proxy server name to access the Fortify Rulepack update server (uploadclient.proxy.server is used if rp.update.from.manager is set to true). Also see "rp.update.from.manager" on the previous page Default: none
rulepackupdate.server	Specifies the Fortify Rulepack update server location. Default: https://update.fortify.com
rulepackupdate.SocketReadTimeoutSeconds	Specifies the socket read timeout value to use when updating Fortify security content with the fortifyupdate utility. Default: 180 seconds
uploadclient.proxy.port	Specifies the proxy server port to access the Fortify Software Security Center server. Default: none
uploadclient.proxy.server	Specifies the proxy server name to access the Fortify Software Security Center server. Default: none
uploadclient.server	Specifies the URL of the Fortify Software Security Center server. Default: http://localhost:8180/ssc

Command-Line Tools Properties

The following table describes the properties in the `<tools_install_dir>/Core/config/fortify.properties` file that the command-line tools use.

Property	Details
com.fortify.log.console	Specifies whether logging messages are written to the console. Logging information is always written to the log file. Default: false

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