

Micro Focus Fortify Software v21.1.2

Patch Release Notes

Document Release Date: August 27, 2021 (Revised)

Software Release Date: July 30, 2021

Products and/or Components Updated with this Patch

- Fortify Static Code Analyzer
- Fortify ScanCentral SAST

New Features

Fortify Static Code Analyzer

This patch includes no new Fortify Static Code Analyzer features.

Fortify ScanCentral SAST

This patch adds support for the following technologies:

- .NET 5.0
- MSBuild versions 16.8, 16.9, and 16.10

The approach that Fortify Static Code Analyzer adopted for MSBuild projects in 21.1.0 has the following implications for Fortify ScanCentral SAST:

- You can no longer use the start command option `-skipBuild` for MSBuild projects. MSBuild invokes a Fortify custom MSBuild target to collect data for a scan. Without the invocation of MSBuild, the new integration cannot be started. Also, MSBuild has to rebuild the project completely, with `/t:Rebuild` target specified to collect the data for translation and scanning later.
- Fortify ScanCentral SAST no longer supports the flag `-exclude-disabled-projects`.
- Even if a build has finished, Fortify ScanCentral SAST may run a full rebuild. The new MSBuild integration involves custom Fortify targets and tasks to collect information required for translation. Only projects and associated files that participate in the build are collected for translation and scanning.

New Approach to MSBuild Integration

The ScanCentral SAST approach to MSBuild integration has changed with this release. The previous approach was two-phased:

Phase 1: Invocation of System MSBuild `/t:Rebuild` target. (Optional - You could apply `-skipBuild`.)

Phase 2: Invocation of internal Fortify MSBuild to generate data for SCA translation. (Required.)

As of this release, ScanCentral SAST uses a single phase only:

- Invocation of system MSBuild with `/t:Rebuild` and `/p:CustomAfterMicrosoftCommonTargets=path_to_Fortify_targets_file` to generate data for translation and scanning.

As a result of this new approach, the `-skipBuild` option was deprecated. (Without the build itself, ScanCentral SAST cannot collect any data.) Only projects on which MSBuild runs `build` can be included in a package for scanning.

If you need to, you can still specify custom build targets (instead of `/t:Rebuild`) for MSBuild using the `-bc` (`--build-command`) option. Make sure that the MSBuild executable is available on the `PATH` variable so that ScanCentral SAST can access it, and all required environment variables (configured by `VSDevCmd.bat`) are correctly set.

Fixes

Fortify Static Code Analyzer

This patch resolves the following issues:

- After upgrading to Visual Studio 2019 version 16.10 or later, the following exception is thrown when attempting to translate any .NET solution:
MSBUILD: error MSB4017: The build stopped unexpectedly because of an unexpected logger failure.
- Translation errors and warnings when scanning code compiled using Visual Studio 2017, version 15.9 and Visual Studio 2019, version 16.4.

Fortify ScanCentral SAST

Previously, if you tried to use remote translation and scan on an application version, and the filename or extension was too long, an error occurred, and the operation failed. As of this patch release, this is no longer an issue.

Notices

Fortify Static Code Analyzer

- Visual Studio Web Site projects are no longer supported. Please convert your Web Site projects to Web Application projects to ensure that Fortify Static Code Analyzer can scan them.

Documentation

The Fortify System Requirements document has been updated to reflect the new technology support. No changes have been made to other documentation. Refer to the documentation for the 21.1.x release.

Installation / Upgrade Notes

Fortify Static Code Analyzer Installation Notes

1. Install the patch.
To install this patch, see “About Upgrading Fortify Static Code Analyzer and Applications” in the *Micro Focus Fortify Static Code Analyzer User Guide*.
2. Run the fortifyupdate utility to update the Fortify Software Security Content.

Fortify ScanCentral SAST Upgrade Notes

To enable the auto-upgrade of version 21.1.0 clients and sensors to version 21.1.2 using a version 21.1.0 Controller:

1. Stop the Controller.
2. Go to the tomcat/webapps/scancentral-ctrl/WEB-INF/classes directory, open the scancentral-version.properties file, and add to it the following:

`version=21.1.2.0002`
3. Change the name of the Fortify_ScanCentral_Client_21.1.2.0002_x64.zip file to scancentral.zip.
4. Replace the existing scancentral.zip in the tomcat/client directory with the renamed file.
5. Go to the <controller_dir>/tomcat/webapps/scancentral-ctrl/WEB-INF/classes directory, open the config.properties file, and set the client_auto_update to true.
6. Start the Controller.

Support

If you have questions or comments about using these products, contact Micro Focus Fortify Customer Support.

When contacting Micro Focus Fortify Customer Support, provide the following product information:

Software Version: 21.1.2

Software Release Date: July 2021

To manage your support cases, acquire licenses, and manage your account: <https://www.microfocus.com/support>

Legal Notices

© Copyright 2021 Micro Focus or one of its affiliates.

Warranty

The only warranties for products and services of Micro Focus and its affiliates and licensors (“Micro Focus”) are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Micro Focus shall not be liable for technical or editorial errors or omissions contained herein. The information contained herein is subject to change without notice.

Restricted Rights Legend

Confidential computer software. Except as specifically indicated otherwise, a valid license from Micro Focus is required for possession, use or copying. Consistent with FAR 12.211 and 12.212, Commercial Computer Software, Computer Software Documentation, and Technical Data for Commercial Items are licensed to the U.S. Government under vendor's standard commercial license.