

Micro Focus Fortify Software v21.1.2

Fortify ScanCentral SAST Patch Release Notes

Document Release Date: July 30, 2021

Software Release Date: July 30, 2021

New Features

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

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.

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.

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>

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