

# Release 4.0 Upgrade Notes

## End of Support of WAR deployment Mode

The standalone mode is now the only mode that is supported. Standalone mode embeds a Tomcat server.

## Do Not Override Configuration Files

As stated in the [Upgrade guide](#), do not copy-paste the configuration files (*conf* directory) from the old version. Update the content of the new files instead.

## Technical Debt Plugin

The [Technical Debt plugin](#) is no longer compatible with SonarQube 4.0. Technical Debt computation is now directly implemented in SonarQube.

## SQALE

The [SQALE](#) plugin has to be manually upgraded to version 2.0 before the SonarQube upgrade.

## The RCI Metric is Deprecated

The RCI metric is now deprecated.

## Standalone Mode - Move from Jetty to Tomcat

Changed properties :

- `sonar.web.jettyRequestLogs=../../logs/jetty-yyyy_mm_dd.request.log => replaced by sonar.web.accessLogs.enable=true`
- `sonar.web.jetty.threads.min=5 => replaced by sonar.web.http.minThreads`
- `sonar.web.jetty.threads.max=50 => replaced by sonar.web.http.maxThreads`

## SonarQube natively supports SSL

See [Running SonarQube Over HTTPS](#).

## Measures Filters

All existing filters using the **Key** criterion have to be updated. For instance, if the value was `**Plugin*` to match all projects containing the word "Plugin", it will have to be updated to `Plugin`.

## Location of Temporary Files of Analyzer

Temporary files generated by the analyzer used to be stored in the `java.io.tmpdir` folder. But the cleanup mechanism was not always properly working. [SONAR-4748](#) fixes this issue and the previous non-deleted files located in the `java.io.tmpdir` folder can be safely removed.