

How to: Set up Sonarcloud scans for non-Java projects

While we have a long-established job type for running Sonar scans via maven (as is used by `camunda_workflow` and `portal_user_interface`), the LF recently added a generic job type for Sonar scanning in any supported language (see all supported languages [here](#)). The below instructions will guide you through adding one of these Sonarcloud scans to your project.

Step-by-step guide

1. In your project's JJB file (generally found in the ci-management repo, in the path `jjb/<project-name>/<project-name>.yaml`), you need to add "gerrit-sonar" to the list of jobs.
2. Next, you will need to add properties. There are two ways to do this: either by adding a `sonar-project.properties` file to the project repo, or by adding them in the JJB job.
 - a. If you are putting the properties directly into the JJB file, you'll need to supply an empty string for the `sonar-project-file` parameter, and then put your properties under the `sonar-properties` parameter.
 - b. A list of properties (referred to in the docs as "Analysis Parameters", but both the file name and the Jenkins plugin for Sonar refer to these as "properties") can be found here: <https://sonarcloud.io/documentation/analysis/analysis-parameters/>. The first mandatory parameter listed, `sonar.host.url`, does not need to be provided. It will be injected into the environment by the Sonar Scanner plugin, and should not be overwritten.

That's all there is to it! If you need to tweak Quality Profiles or Quality Gates, please submit a support ticket at support.linuxfoundation.org.

Example JJB file

Below is the file used by the LF RelEng team to test this feature. It shows the proper formatting for adding the properties to the JJB job, and provides a list of typical properties than can be provided for optimal scan results. In order to best reflect the real-world use of this feature, the file has not been truncated to show only the relevant section. However, the primary relevant code is entirely contained in the `gerrit-sonar` job details.

```

---
- project:
  name: ta-caas-install-amd64
  project: ta/caas-install
  project-name: ta-caas-install-amd64
  project-type:
    - merge
    - verify
  build-node: centos7-builder-2c-1g
  stream: master
  jobs:
    - akraino-project-stream-type-ta
    - gerrit-sonar:
        sonar-project-file: ""
        sonar-properties: |
          # Required metadata
          sonar.projectKey=ta-caas-install
          sonar.projectName=ta-caas-install
          sonar.organization=akraino-edge-stack

          # Source
          sonar.sources=.

          # Language
          sonar.language=py

          # Encoding
          sonar.build.sourceEncoding=UTF-8

          # Unit tests
          sonar.junit.reportsPath=xunit-results.xml
          sonar.python.coverage.reportPath=coverage.xml

          # Inclusions
          sonar.inclusions=**/*.py

          # Exclusions
          sonar.exclusions=**/tests/**/*.py,**/test*.py

- project:
  name: ta-caas-install-arm64
  project: ta/caas-install
  project-name: ta-caas-install-arm64
  project-type:
    - merge
    - verify
  build-node: aarch64_dev
  gerrit-skip-vote: true
  arch: arm64
  stream: master
  jobs:
    - akraino-project-stream-type-ta

```

Related articles

- [How to: Set up Sonarcloud scans for non-Java projects](#)