## Checking the logs

If you're having trouble starting your server for the first time (or any subsequent time!) the first thing to do is check your server logs. You'll find them in $SONARQUBE\_HOME/logs:

* sonar.log - Log for the main process. Holds general information about startup and shutdown. You'll get overall status here but not details. Look to the other logs for that.
* web.log - Information about initial connection to the database, database migration and reindexing, and the processing of HTTP requests. This includes database and search engine logs related to those requests.
* ce.log - Information about background task processing and the database and search engine logs related to those tasks.
* es.log - Ops information from the search engine, such as Elasticsearch startup, health status changes, cluster-, node- and index-level operations, etc.

**Analysis Parameters**

These parameters enable PR analysis:

| **Parameter Name** | **Description** |
| --- | --- |
| sonar.pullrequest.key | Unique identifier of your Pull Request. Must correspond to the key of the Pull Request in your ALM. e.g.: sonar.pullrequest.key=5 |
| sonar.pullrequest.branch | The name of the branch that contains the changes to be merged. e.g.: sonar.pullrequest.branch=feature/my-new-feature |
| sonar.pullrequest.base | The branch into which the Pull Request will be merged. Default: master e.g.: sonar.pullrequest.base=master |

|  |  |  |
| --- | --- | --- |
| sonar.sources | Comma-separated paths to directories containing main source files. | Read from build system for Maven, Gradle, MSBuild projects. Defaults to project base directory when neither sonar.sources nor sonar.tests is provided. |

|  |  |  |
| --- | --- | --- |
| Java / Kotlin / Scala / JVM | sonar.coverage.jacoco.xmlReportPaths | Path to JaCoCo XML coverage reports. Path wildcards are supported (see above). |
| Java | sonar.jacoco.reportPaths | **Deprecated. Use sonar.coverage.jacoco.xmlReportPaths.** Path to JaCoCo reports in binary format. **Supported only for Java**. |
| JavaScript / TypeScript | sonar.javascript.lcov.reportPaths | Comma-delimited list of paths to LCOV coverage report files. Paths may be absolute or relative to project root. |