|  |
| --- |
| XX-PROJECTNAME-XX  Version XX-VERSION-XX  Code analysis |

|  |
| --- |
| **By: XX-AUTHOR-XX**  **XX-DATE-XX** |

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# Introduction

This document contains results of the code analysis of XX-PROJECTNAME-XX.

XX-DESCRIPTION-XX

# Configuration

* Quality Profiles
  + Names: XX-QUALITYPROFILENAME-XX
  + Files: XX-QUALITYPROFILEFILE-XX
* Quality Gate
  + Name: XX-QUALITYGATENAME-XX
  + File: XX-QUALITYGATEFILE-XX

# Synthesis

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Quality Gate | Reliability | Security | Maintainability | Coverage | Duplication |
| XX-QUALITYGATE-XX | **XX-RELIABILITY-XX** | **XX-SECURITY-XX** | **XX-MAINTAINABILITY-XX** | **XX-COVERAGE-XX %** | **XX-DUPLICATION-XX %** |

# Metrics

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Cyclomatic  Complexity | Cognitive  Complexity | Lines of code per file | Comment  density (%) | Coverage | Duplication (%) |
| Min | XX-MINCOMPLEXITY-XX | XX-MINCOGNITIVECOMPLEXITY-XX | XX-MINNCLOC-XX | XX-MINCOMMENTDENSITY-XX | XX-MINCOVERAGE-XX | XX-MINDUPLICATION-XX |
| Max | XX-MAXCOMPLEXITY-XX | XX-MAXCOGNITIVECOMPLEXITY-XX | XX-MAXNCLOC-XX | XX-MAXCOMMENTDENSITY-XX | XX-MAXCOVERAGE-XX | XX-MAXDUPLICATION-XX |

# Volume

|  |
| --- |
| $VOLUME |

# Issues count by severity and type

|  |
| --- |
| $ISSUES\_COUNTS |

# Charts

# Issues synthesis by language

|  |
| --- |
| $lang\_ |

Issues by language number

### JAVA language

|  |
| --- |
| $Java\_ |

#### Tool analysis for Java issues

|  |
| --- |
| $pmd\_ |

PMD synthesis

|  |
| --- |
| $checkstyle\_ |

Checkstyle synthesis

|  |
| --- |
| $findbugs\_ |

Findbugs synthesis

|  |
| --- |
| $java\_sonar\_ |

Sonar rules for java synthesis.

*Project analysis to be filled.*

### C et C++ language

|  |
| --- |
| $cpp\_c\_ |

#### Tool analysis for C/C++ issues

|  |
| --- |
| $cpp\_check\_ |

Cppcheck synthesis

|  |
| --- |
| $vera++\_ |

Vera++ synthesis

|  |
| --- |
| $rats\_ |

Rats synthesis

|  |
| --- |
| $cpp\_sonar\_ |

Sonar rules for java synthesis.

*Project analysis to be filled.*

### Python language

|  |
| --- |
| $python\_ |

#### Tool analysis for Python issues

|  |
| --- |
| $pylint\_ |

Pylint synthesis

|  |
| --- |
| $python\_sonar\_ |

Sonar rules for Python synthesis.

*Project analysis to be filled.*

### **Fortran 77,90 (i-**code) language

|  |
| --- |
| $fortran\_: |

#### Tool analysis for F77, F90 issues

|  |
| --- |
| $fortran77\_: |

Fortran77 synthesis

|  |
| --- |
| $fortran90\_: |

Fortran90 synthesis

*Project analysis to be filled.*

### **Shell (i-**code) language

|  |
| --- |
| $shell \_: |

#### Tool analysis for SHELL issues

|  |
| --- |
| $icode\_shell\_: |

Shell synthesis

*Project analysis to be filled.*

### **TypeScript** language

|  |
| --- |
| $typescript\_: |

#### Tool analysis for TYPESCRIPT issues

|  |
| --- |
| $sonaranalyzer\_typescript\_ |

Sonar rules for Typescript synthesis.

*Project analysis to be filled.*

### **JavaScript language**

|  |
| --- |
| $javascript\_: |

#### Tool analysis for JAVASCRIPT issues

|  |
| --- |
| $sonaranalyzer\_javascript\_ |

Sonar rules for JavaScript synthesis.

*Project analysis to be filled.*

### **PHP** language

|  |
| --- |
| $php\_: |

#### Tool analysis for PHP issues

|  |
| --- |
| $php\_sonar\_ |

Sonar rules for PHP synthesis.

*Project analysis to be filled.*

### **Web** language

|  |
| --- |
| $web\_: |

#### Tool analysis for WEB language

|  |
| --- |
| $web\_sonar\_ |

Sonar rules for Web synthesis.

*Project analysis to be filled.*

# Issues

|  |
| --- |
| $ISSUES\_DETAILS |