

Code Quality with Agile and DevOps

Quality of Code

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- How it is readable to new person.
- How it is maintainable.
- How it is extendable
- How it is test-able
- Does the code has duplicate code ?
- Is there any code that is NOT at all used.
- Are there too much of unnecessary logs generated ?
- The test coverage covers all the code ?

Coding guidelines and rules

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- Organizations specify coding guidelines on
- Naming of class, method, functions and variables.
- Size of code
- Size of artifacts
- Deployment types
- Size of deployment
- Minimum number of dependents
- Code complexity with depth and line coverage

Static code analysis tools

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- Code analysis tools for java
 - FindBugs
 - Checkstyle
 - PMD
 - Coverity
 - Eclipse
 - NetBeans
 - Sonar

Code coverage tools

- GroboUtils
- Cobertura
- JCoV
- JaCoCo
- Clover
- EMMA
- Jtest
- Serenity