Code Coverage and Static Code Analysis

These 2 practices are grouped in one page as ONAP uses Sonar which addresses both practices.

Code Coverage

Provide a measure to understand which part (%) of the code has been tested

A way to detect:

- dead code
- code that is not so often used but still critical (upgrade)

For ONAP, Sonar is available at sonar.onap.org

> **Tips**
>
> The higher the better (but still this is not an absolute guarantee)
>
> - Coverage for incubation 30-50 %
> - Coverage for mature 50-70 %
> - Coverage for core 70-80 %
>
> **Depending on the project state**:
>
> - Static Code Analysis for incubation: Recommended
> - Static Code Analysis for mature: Recommended
>
> Static Code Analysis for core: Mandatory for each major release. Because the tool generates significant false-positive and thus required a significant effort, the practice not must be conducted in the latest release build