Configuring Code Coverage Measurement

IntelliJ IDEA makes it possible to configure the various aspects of code coverage measurement. In this section:

- Configuring the way coverage suites are processed
- Configuring code coverage measurement options
- Changing colors of the coverage highlighting

To configure code coverage behavior

1. Open the project settings, and then click Coverage. The Coverage page opens.

2. Define how the collected coverage data will be processed:
   - To have the Code Coverage dialog box shown every time you launch a new run configuration with code coverage, choose Show options before applying coverage to the editor.
   - To discard the new code coverage results, choose Do not apply collected coverage.
   - To discard the active suites and use the new one every time you launch a new run configuration with code coverage, choose Replace active suites with the new one.
   - To have the new code coverage suite appended to the active suites every time you launch a new run configuration with code coverage choose Add to active suites.

3. Define the behaviour of the Coverage tool window when an application or test is run with coverage:
   - To have the Coverage tool window opened automatically, select the Activate Coverage View check box.
   - To open the Coverage tool window manually, clear the Activate Coverage View check box.

To configure code coverage options

1. Open the Edit Run/Debug Configuration dialog box, add the desired run/debug configuration, and click the Code Coverage tab.

2. In the Code Coverage tab, define the following options:
   - From the Choose coverage runner drop-down list, select the desired code coverage runner. The available options are:
     - EMMA
     - IntelliJ IDEA
   - Choose the options for the selected runner:
     - For the EMMA runner, only the Sampling mode is available.
     - For the IntelliJ IDEA runner, you can choose between the Sampling or Tracing modes.
   - Specify the scope to measure code coverage for. Do one of the following:
     - To specify a class, click the Add Class button.
     - To specify a package, click the Add Package button.
   - To have code coverage statistic collected for folders with tests as well, select the Enable Coverage in Test Folders check box.
To configure code coverage colors

1. Open the Editor - Colors and Fonts page of the Settings dialog.
   Alternatively, just click in the statistics pop-up.

2. Expand Colors and Fonts node, and select General.

3. In the list of textual components, select the required type of coverage, for example, Full line coverage or Uncovered line, and then choose the desired colors:

   ![Image of Editor - Colors and Fonts page]

See Also

Concepts:

- Run/Debug Configuration

Procedures:

- Viewing Code Coverage Results

Reference:

- Run/Debug Configurations

Web Resources:

- Developer Community