

# Testing



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# Integral to Java Plugin

- Defines
  - a source set
  - task to compile the tests
  - task to run the tests

# Source Set

- Looks for unit tests in `src/test/java`
- Outputs to `build/classes/test`
- Reports to `build/reports/test`

# Filtering

- Can filter to only run a subset of tests
  - Single test
  - All tests from a package
  - Wildcard is supported

# Filtering

```
test {  
  filter {  
    includeTestsMatching "com.foo.shouldCreateASession"  
    includeTestsMatching "*shouldCreateASession"  
  }  
}
```

# Filtering

```
gradle test --tests *shouldCreateASession
```

# What About Other Testing?

- Integration tests for example?
- Can use gradle-testsets-plugin
- <https://github.com/unbroken-dome/gradle-testsets-plugin>

- Add plugin
  - add a testSet
  - set other configuration parameters (dependsOn etc...)
  - set output reports directory