

Unit tests with TestNG or JUnit and Spring support

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Unit tests in Nuclos – JUnit and TestNG with a Spring context, ReflectionTestUtils, Mockito and @Autowired.

REFERENZ DEVELOPER **UPDATED: JUL 2026** APPLIES TO NUCLOS 4.2026.X

On this page

- [Frameworks](#)
- [Spring support](#)
- [Related pages](#)

Nuclos supports classic **unit tests**. A unit test checks a single method/class independently of the rest of the code – ideal for calculations. In the build and CI process all tests run automatically.

Frameworks

- **JUnit** – the best-known framework, supported by Nuclos.
- **TestNG** – also supported (its own Eclipse plugin, `testng.xml` suites).

Spring support

Nuclos tests can use Spring to inject beans and load the context:

Approach	Description
SpringJUnit4ClassRunner	JUnit test with a Spring context.
AbstractTestNGSpringContextTests	TestNG test with a Spring context.
ReflectionTestUtils	sets private fields for tests.
@Autowired / @Configurable	injection into test or domain objects.
Mockito / Springockito	mocking dependencies in combination with Spring.



Examples

The most extensive examples are in the FDM project (Nuclos staff only). This page gives everyone else an overview of what is possible.

Related pages



Code coverage (JaCoCo)

Coverage.

[Open](#)



Sonar code analysis

Sonar.

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