

31.8.–3.9.2015
in Nürnberg



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Außerirdisch gute Tests mit Spock

To boldly go where no JUnit test has gone before

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Leonard Nimoy
1931 - 2015

Was ist Spock?

- „Enterprise ready specification framework“
- Test- und Spezifikationsframework für Java und Groovy
- Kompatibel mit JUnit (IDE, Buildtools, ...)
- High-level (Groovy) Test DSL
- „Batteries included“

Demo

Mock cardinality

(aus der Spock Dokumentation)

```
1 * subscriber.receive("hello") // exactly one call

0 * subscriber.receive("hello") // zero calls

(1..3) * subscriber.receive("hello") // between one and three calls (inclusive)

(1.._) * subscriber.receive("hello") // at least one call

(_..3) * subscriber.receive("hello") // at most three calls

_ * subscriber.receive("hello") // any number of calls, including zero

// (rarely needed; see 'Strict Mocking')
```

Argument constraints

(aus der Spock Dokumentation)

```
1 * subscriber.receive("hello") // an argument that is equal to the String "hello"

1 * subscriber.receive(!"hello") // an argument that is unequal to the String "hello"

1 * subscriber.receive() // the empty argument list

1 * subscriber.receive(_) // any single argument (including null)

1 * subscriber.receive(*_) // any argument list (including the empty argument list)

1 * subscriber.receive(!null) // any non-null argument

1 * subscriber.receive(_ as String) // any non-null argument that is-a String

1 * subscriber.receive({ it.size() > 3 }) // an argument that satisfies the given predicate

// (here: message length is greater than 3)
```

Spock vs JUnit cheat sheet

Spock	JUnit
Specification	Test class
setup()	@Before
cleanup()	@After
setupSpec()	@BeforeClass
cleanupSpec()	@AfterClass
thrown()	@Test(expected=...)

Linksammlung

- Spock (<http://spockframework.org>)
- Why Spock (<https://code.google.com/p/spock/wiki/WhySpock>)
- Dokumentation (<http://docs.spockframework.org/>)
- Spock-example (<https://github.com/spockframework/spock-example>)
- Buch: Java Testing with Spock (<http://www.manning.com/kapelonis/>), MEAP (Manning Early Access Programm)
- Spock Reports Extension (<https://github.com/renatoathaydes/spock-reports>)
- GEB (<http://www.gebish.org/>) - Browser Automation

Test good and prosper

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Vielen Dank!

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