



JUnit 5

Was bringt die neue Version?



Johannes Link

Softwaretherapeut
@johanneslink

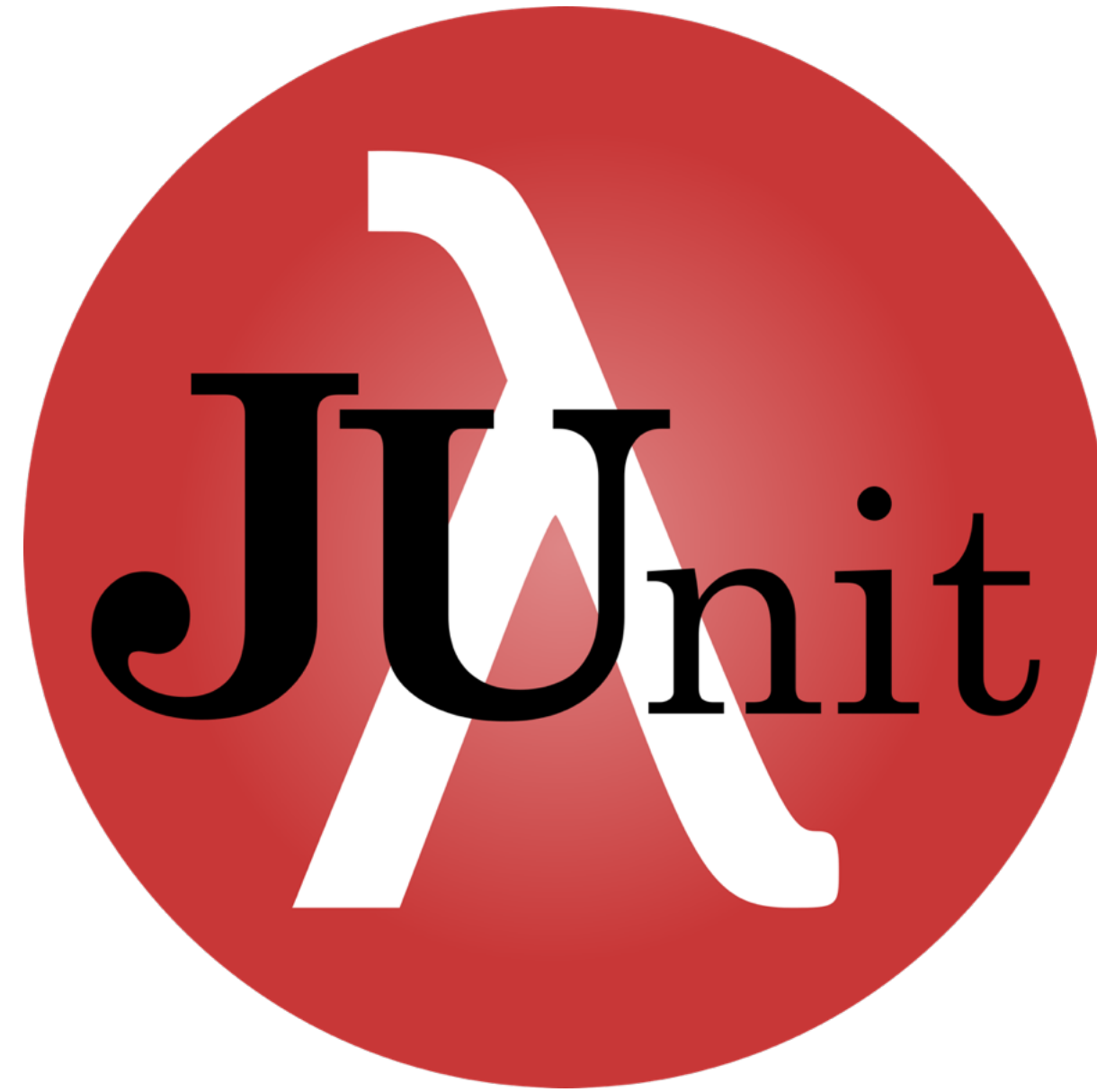


Matthias Merdes



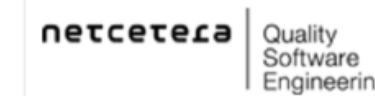
Probleme mit JUnit 4

- Wartbarkeit
- Erweiterbarkeit
- Zwang zur Abwärtskompatibilität mit Java 5



JUnit Lambda

Danke!



Hans Sowa Jens Schauder Tobias Ahlers Daniel Zappold Kai-Marian Pukall Julien Jakobowski Dmitry Karlinsky Mark Munson
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Alexander Schwartz C
Gregor Trefs Steve Me
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€53,937 EUR
raised by 474 people in 2 months

216% funded No time left

€25,000 EUR goal
Fixed Funding ?

CAMPAIGN CLOSED
This campaign ended on October 2, 2015

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Main Sponsors

Each of these companies will fund a developer for 6 weeks. They will not receive any money collected through the campaign.



Innovation. TDD. JUnit.
Messbar erfolgreicher.
Performance. Herzblut.
Agil. Seit 1995. **Namics.**



Main Campaign Sponsor

This company will fund JUnit Lambda through the Main Sponsor campaign perk.





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Phase 1: Kickoff

Vertreter wichtiger IDEs und Build Tools, Sponsoren, das Team





Demo

Erweiterbarkeit

```
@API(Experimental)  
public interface Extension {  
}
```

```
@API(Experimental)  
public @interface ExtendWith {  
  
    Class<? extends Extension>[] value();  
  
}
```

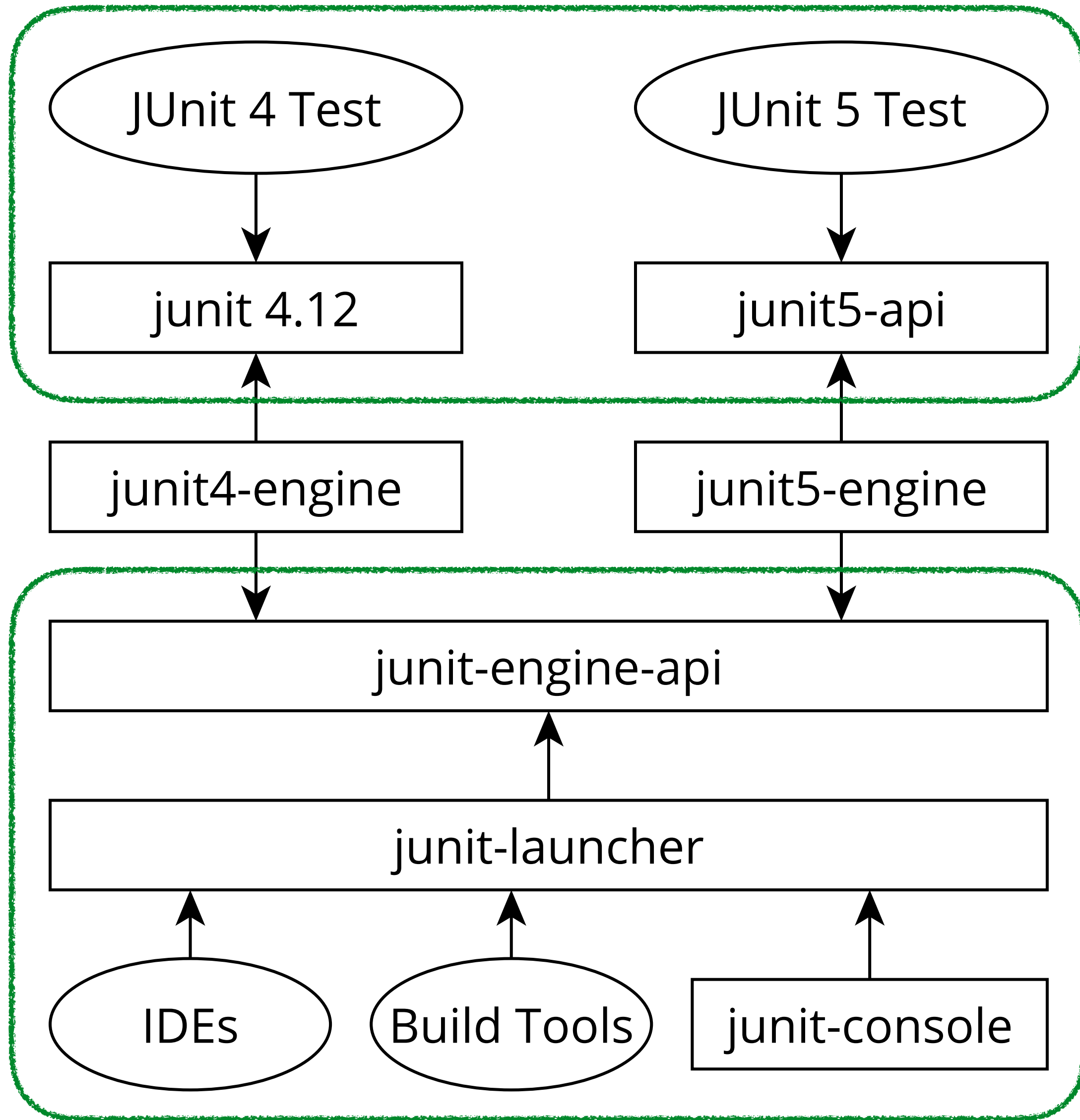

Test Lifecycle Callbacks	Conditional Execution	Allgemeine Extensions
BeforeAllCallback	ContainerExecutionCondition	ParameterResolver
BeforeEachCallback	TestExecutionCondition	TestExecutionExceptionHandler
BeforeTestExecutionCallback		TestInstancePostProcessor
AfterTestExecutionCallback		
AfterEachCallback		
AfterAllCallback		

Eating Our Own Dog Food

Dokumentation

- User Guide:
<http://junit-team.github.io/junit5/>
- Beispiel-Projekte für Gradle und Maven:
<https://github.com/junit-team/junit5-samples>
- Javadoc:
<https://junit.ci.cloudbees.com/job/JUnit5/javadoc/>

Modularisierung



Test Code hängt nur von junit5-api ab.

Entkoppelte APIs

IDEs und Build Tools verwenden Launcher and Engine APIs und können Tests unabhängig vom benutzten Testing Framework ausführen.

Roadmap

- Release M1: Ende Juni 2016
- Final Release: Ende November 2016

Ausblick

- Echte Integration in IDEs und Build Tools
- Szenario-Tests
- Test-Parametrisierung über Parameter-Injection
- Globale Extension-Registrierung

Wanted: Feedback!

- GitHub Issues:
<https://github.com/junit-team/junit5/issues>
- Twitter:
<https://twitter.com/junitteam>



Danke