

# Primeira Apresentação - Engenharia de Software 2

Bruna Zamith, 628093  
Leonardo Utida, 628182  
Leonardo Tavares, 628174

March 29, 2019

1 Jenkins

2 Apache Flink

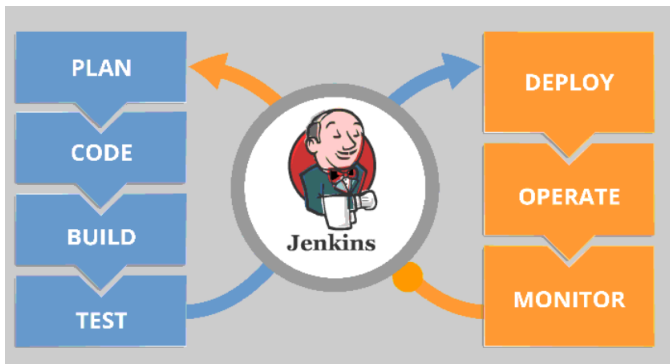
3 Eclipse Che

- **Domínio:** Servidor de Automação de Código
- **Linguagem:** Java
- **SO:** Cross-Plataform
- **Início do Projeto:** 2004 (Hudson)
- **Primeiro Release:** 2005/2011
- **Versão Analisada:** 2.169



ORACLE

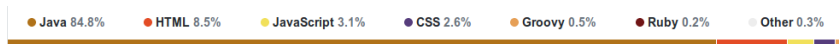
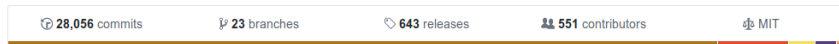
- Usado para automatizar todos os tipos de tarefas relacionadas à criação, teste e distribuição ou implementação de software
- *Server-based system*, que roda em *servlet containers* como o Apache Tomcat e o Microsoft Azure



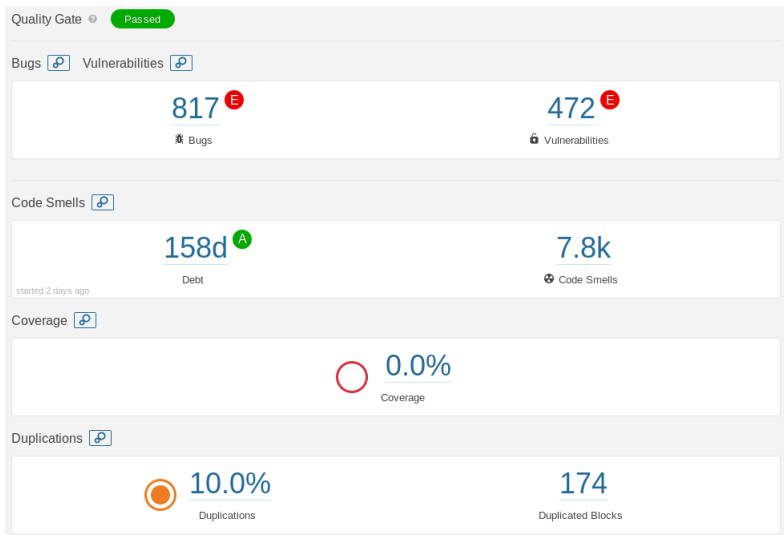
- **Github:** /jenkinsci/jenkins/
- 28,056 commits
- 23 branches
- 643 releases
- 551 contributors
- 93 pull requests

Jenkins automation server <https://jenkins.io/>

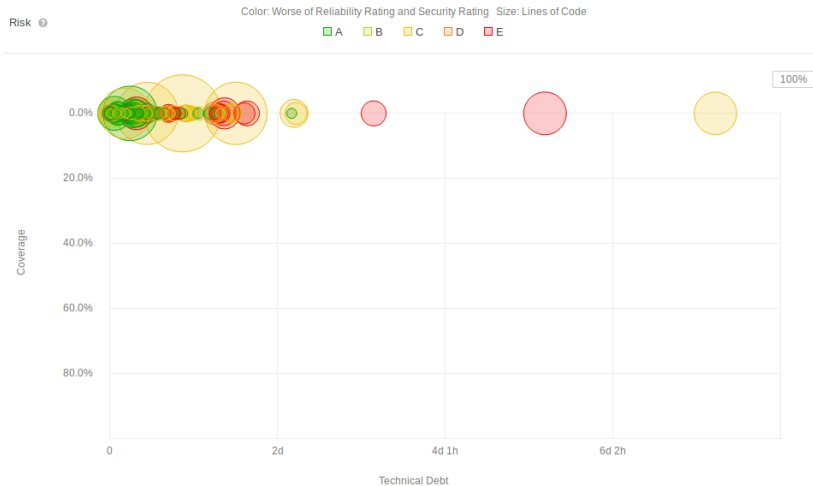
[continuous-integration](#) [continuous-delivery](#) [continuous-deployment](#) [java](#) [groovy](#) [jenkins](#) [pipelines-as-code](#) [devops](#) [hacktoberfest](#)



## ● Sonar Cloud



## ● Sonar Cloud



- **Sonar Explorer**

▼ **Size**

Total lines:	187.841
All comment lines:	45.044
Code comment lines:	31.385
Lines of code:	101.682
Source element count:	67.080
Components:	1.104
Components ignoring issues:	0
Java packages:	80
Java byte code instructions:	327.392

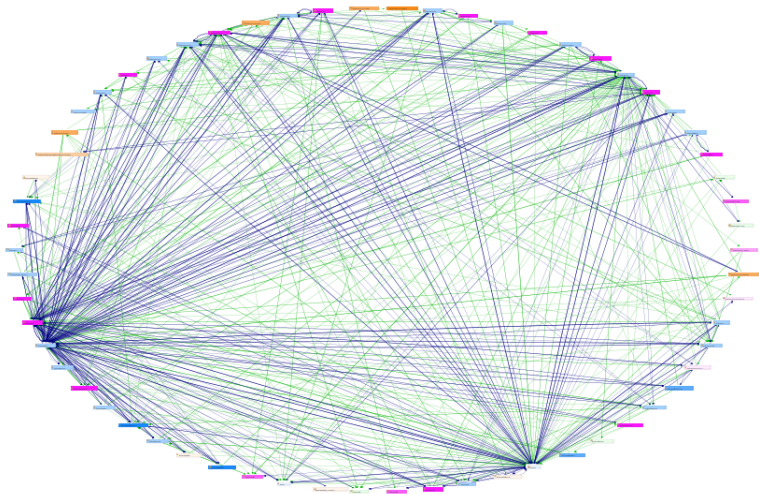


## ● Sonar Explorer

### ▼ Structure

System Maintainability Level:	21.52
System ACD:	533.79
Highest module ACD:	531.36
Cyclic components:	535
Ignored cyclic components:	0
Structural debt index (components):	10.798
Component dependencies to remove (components):	692
Parser dependencies to remove (components):	3.878
Structural debt index (Java packages):	22.070
Parser dependencies to remove (Java packages):	6.420
Ignored cyclic Java packages:	0
Component dependencies to remove (Java packages):	1.565
Cyclic Java packages:	62

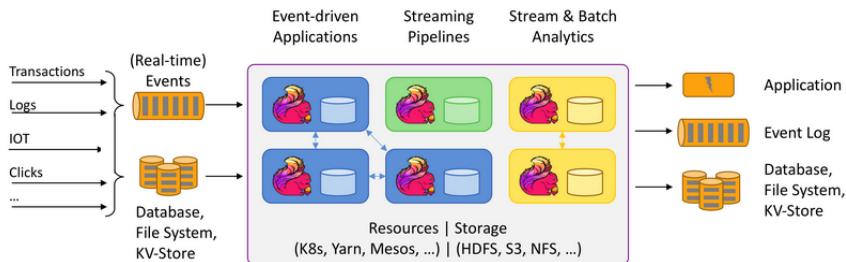
- **Sonar Explorer**



- **Domínio:** Framework
- **Linguagem:** Java e Scala
- **SO:** Cross-Plataform
- **Início do Projeto:** 2011
- **Primeiro Release:** 2015
- **Versão Analisada:** 1.9

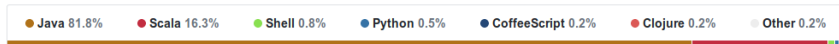
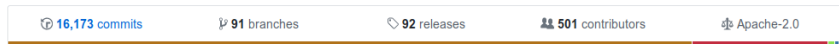


- “Stateful computation over Data Streams”
- Stream Processing
- 32 módulos: Mesos, Metrics, Optimizer, Shaded-Hadoop, Streaming-Java, Streaming-Scala, Yarn...

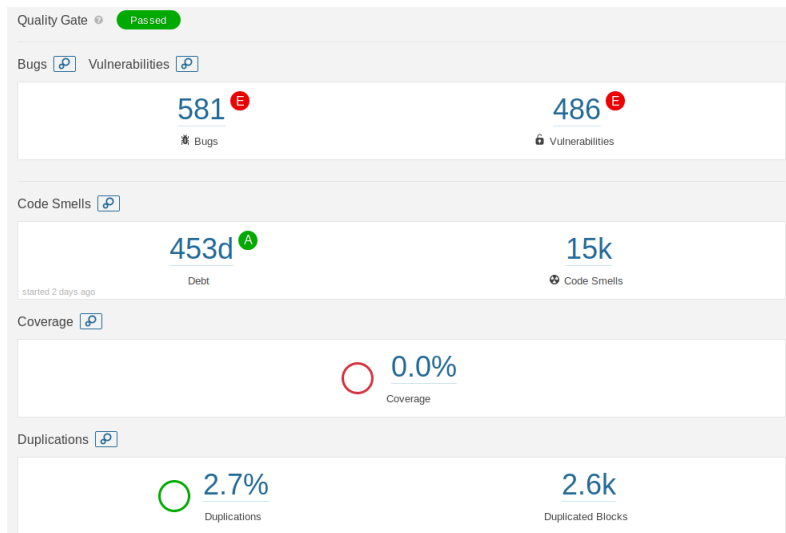


- **Github:** /apache/flink
- 16,173 commits
- 91 branches
- 92 releases
- 501 contributors
- 383 pull requests

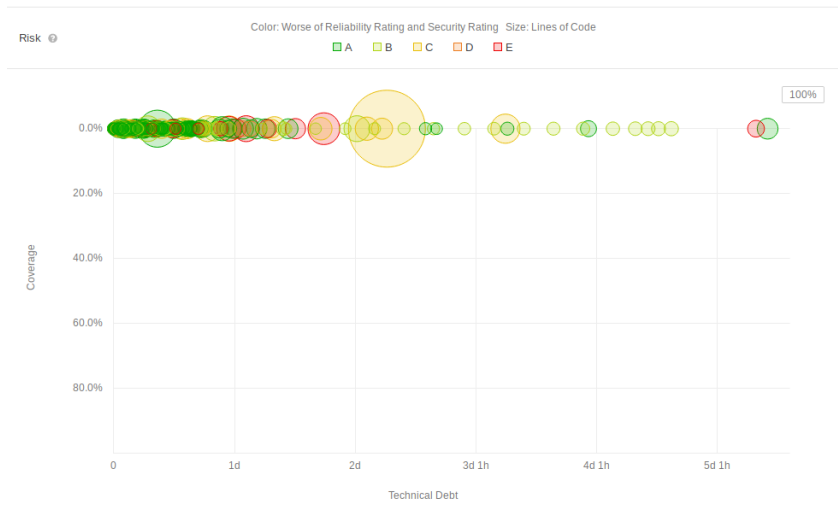
Apache Flink



## ● Sonar Cloud



## ● Sonar Cloud



## ● Sonar Explorer

### ▼ Size

Total lines:	667.727
All comment lines:	137.029
Code comment lines:	81.458
Lines of code:	364.134
Source element count:	265.208
Components:	5.160
Components ignoring issues:	0
Java byte code instructions:	1.678.920
Java packages:	640

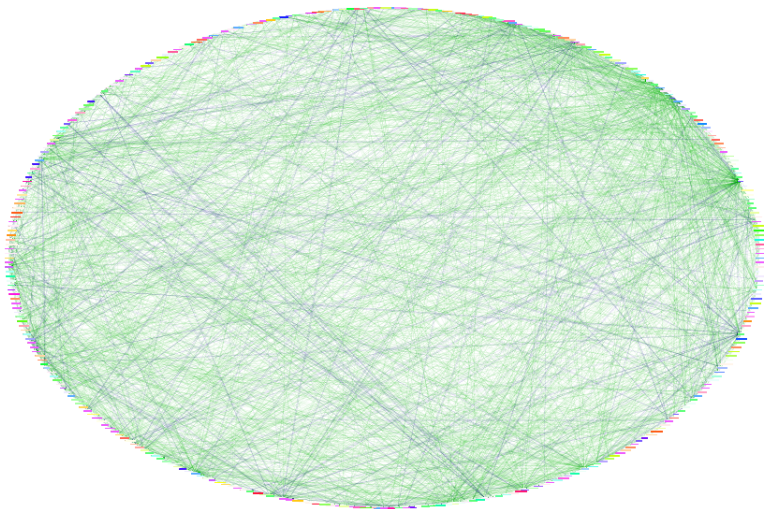


## ● Sonar Explorer

### ▼ Structure

System Maintainability Level:	27.27
System ACD:	623.18
Highest module ACD:	219.23
Cyclic components:	1.351
Ignored cyclic components:	0
Structural debt index (components):	9.028
Component dependencies to remove (components):	650
Parser dependencies to remove (components):	2.528
Ignored cyclic Java packages:	0
Parser dependencies to remove (Java packages):	6.634
Component dependencies to remove (Java packages):	1.639
Cyclic Java packages:	417
Structural debt index (Java packages):	23.024

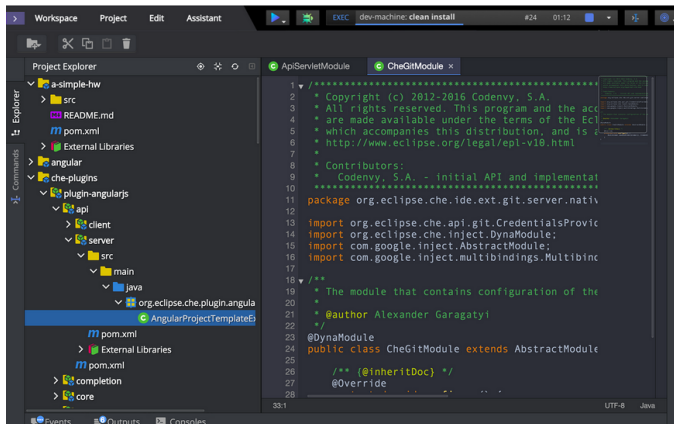
- **Sonar Explorer**



- **Domínio:** IDE
- **Linguagem:** Java
- **SO:** Cross-Plataform
- **Início do Projeto:** 2009
- **Primeiro Release:** 2014
- **Versão Analisada:** 7.0 beta

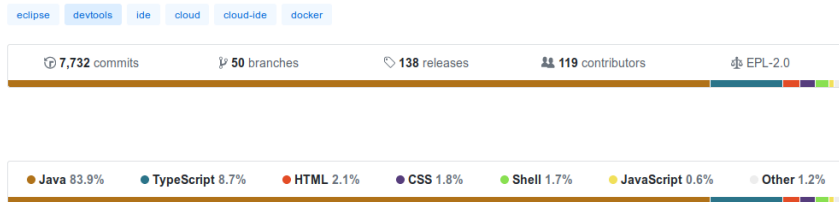


- “Eclipse Next-Generation IDE”
- Oferece plugins para linguagens, framework e ferramentas
- Um SDK para criação de *plugins* e *assemblers*

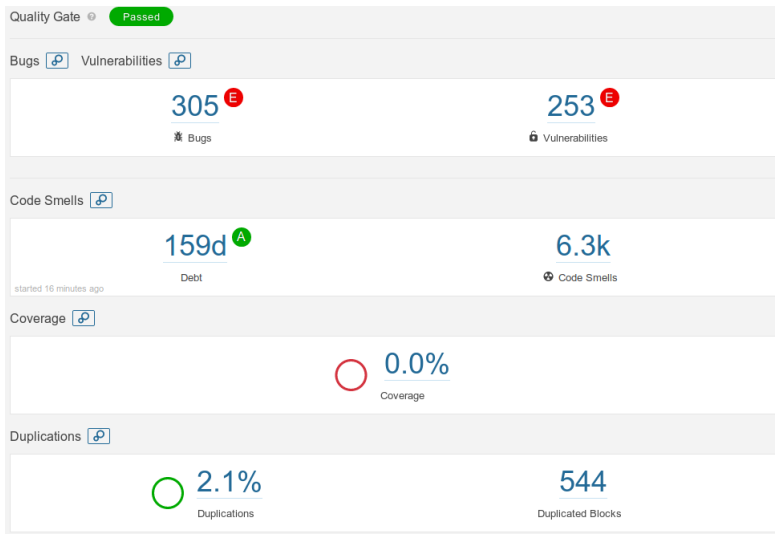


- **Github:** /eclipse/che
- 7,732 commits
- 50 branches
- 138 releases
- 119 contributors
- 36 pull requests

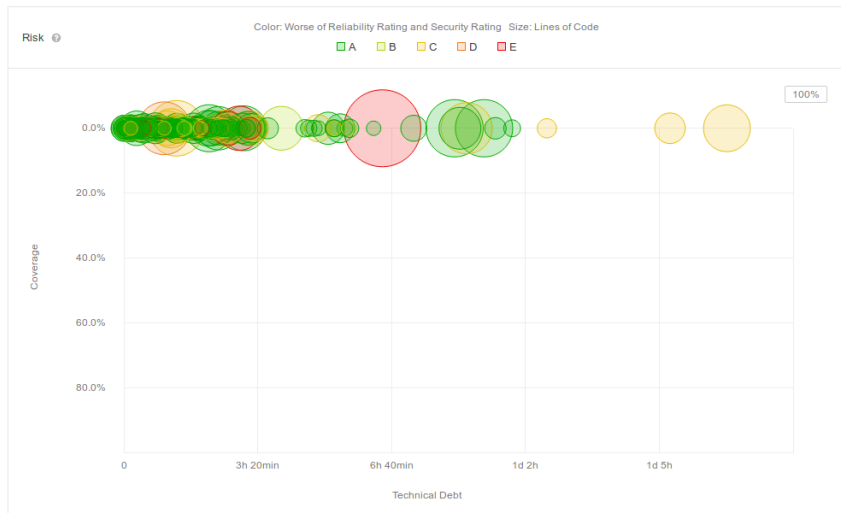
Eclipse Che: Next-generation Eclipse IDE. Open source workspace server and cloud IDE. <http://eclipse.org/che>



## • Sonar Cloud



## ● Sonar Cloud



## ● Sonar Explorer

### ▼ Size

Total lines:	532.082
All comment lines:	84.080
Code comment lines:	47.497
Lines of code:	327.176
Source element count:	196.987
Components:	5.253
Components ignoring issues:	0
Java packages:	1.135
Java byte code instructions:	1.119.579

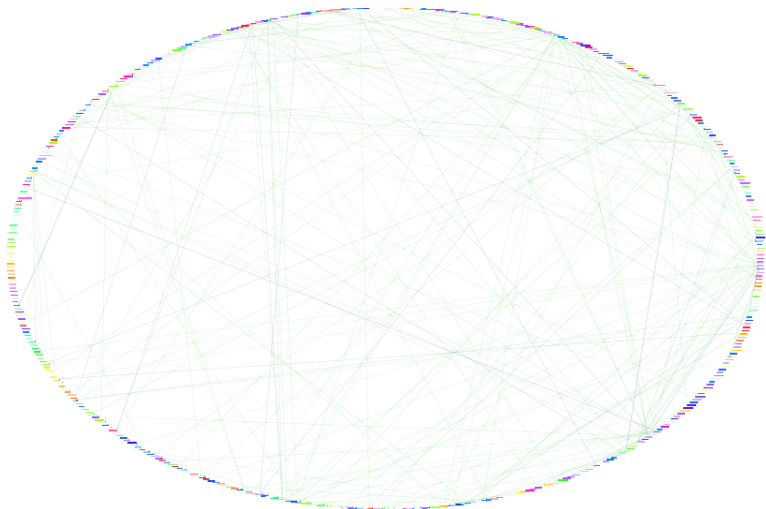


## ● Sonar Explorer

### ▼ Structure

System Maintainability Level:	60.17
System ACD:	83.20
Highest module ACD:	27.53
Cyclic components:	563
Ignored cyclic components:	0
Structural debt index (components):	4.175
Component dependencies to remove (components):	339
Parser dependencies to remove (components):	785
Component dependencies to remove (Java packages):	663
Cyclic Java packages:	632
Structural debt index (Java packages):	8.216
Ignored cyclic Java packages:	0
Parser dependencies to remove (Java packages):	1.586

- **Sonar Explorer**



	<b>Man. Level</b>	<b>Sys. ACD</b>	<b>Hig. Mod. ACD</b>	<b>Vul.</b>
<b>Jenkins</b>	21.52	533.79	531.36	472
<b>Flink</b>	27.27	623.18	219.23	486
<b>Che</b>	60.17	83.20	27.53	253

- Man.Level: System Maintainability Level
- Sys. ACD: System ACD
- Hig. Mod. ACD: Highest Module ACD
- Vul.: Vulnerabilities

- **DÚVIDAS?**