

UIBook

Jenkins

Vue Test

Allure

2019

Tools Review

Heisenbug Moscow

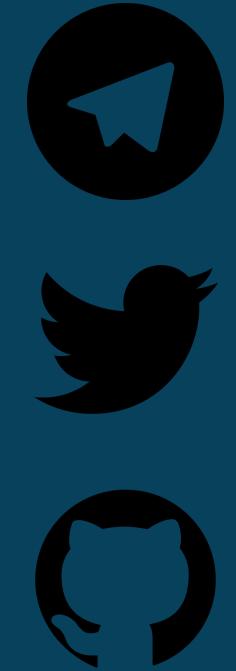
Lighthouse

TestContainers

Pact

IDEA Plugins

volekerb
brekelov
volekerb



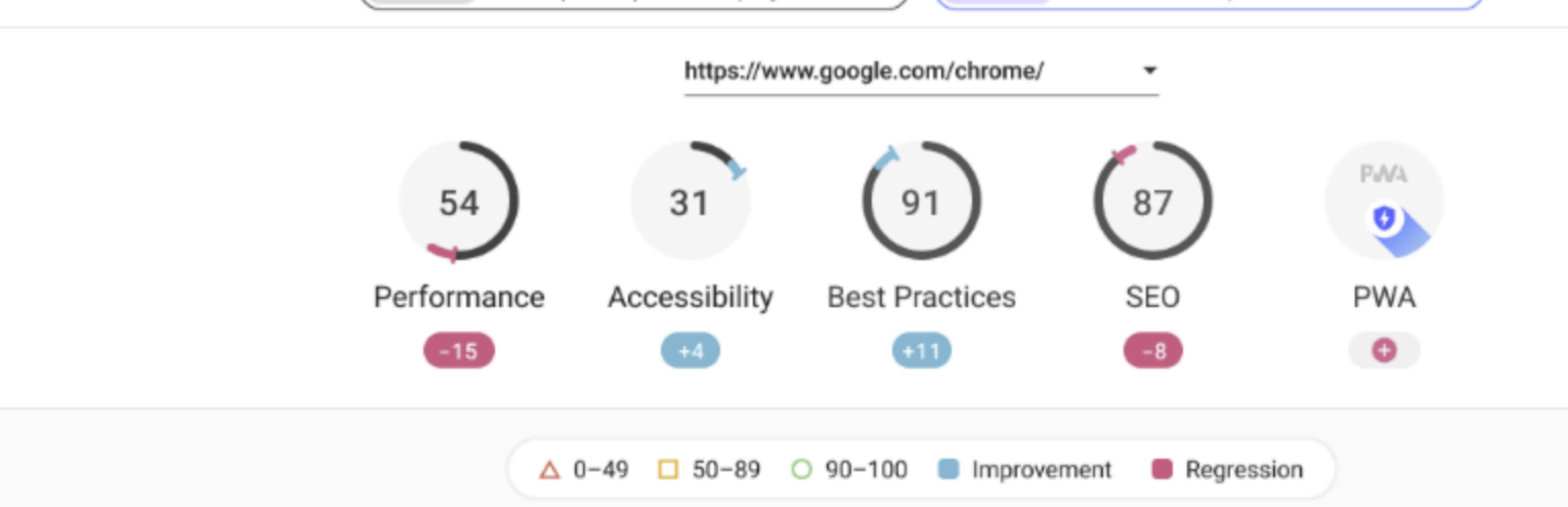
Vsevolod
Breklov

Name
Position
Company

Software
Engineer

NSPCC





Performance: Metrics

△ First Contentful Paint	5.0		+4.5s	16.0
△ Speed Index	9.0		+3.8s	15.0
□ Time to Interactive	3.0		+2.5s	7.0
○ First CPU Idle	1.5		-3.2s	6.0
○ Estimated Input Latency	7.0		-2.9s	15.0

Performance: Opportunities

△ Preload key requests	10 → 19
□ Serve images in next-gen format	
□ Preconnect to required origins	4 → 8

← → C

① File | /Users/kayce/Desktop/lighthouse/m.youtube.com_2019-04-30_10-46-28.report.html

<https://m.youtube.com/>

Budgets—Performance budgets set standards for the performance of your site.

Lighthouse Performance budgets

Resource Type	Requests	File Size	
Script	2	434 KB	
Total	21	687 KB	
Image	6	131 KB	
Third-party	13	162 KB	13 requests

TestContainers



TESTCONTAINERS

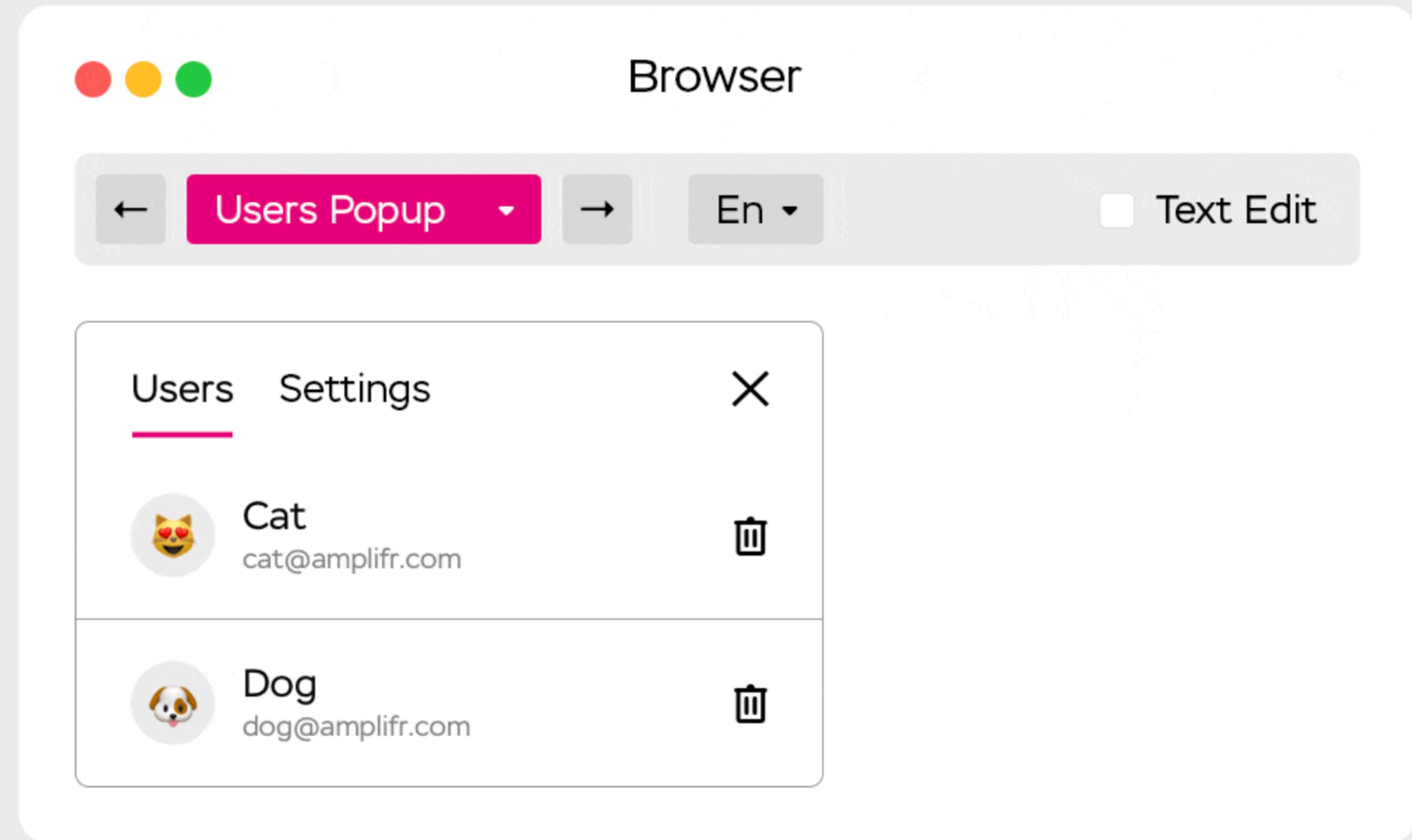
TestContainers

Gitlab CI

```
services:  
  - mysql:latest  
  
variables:  
  # Configure mysql environment variables (https://hub.docker.com/\_/mysql/)  
  MYSQL_DATABASE: "<your_mysql_database>"  
  MYSQL_ROOT_PASSWORD: "<your_mysql_password>"
```

After: with TestContainers

```
public class SimpleMySQLTest {  
    @Rule  
    public MySQLContainer mysql = new MySQLContainer();  
  
    // [...]  
}
```



Vue Test utils

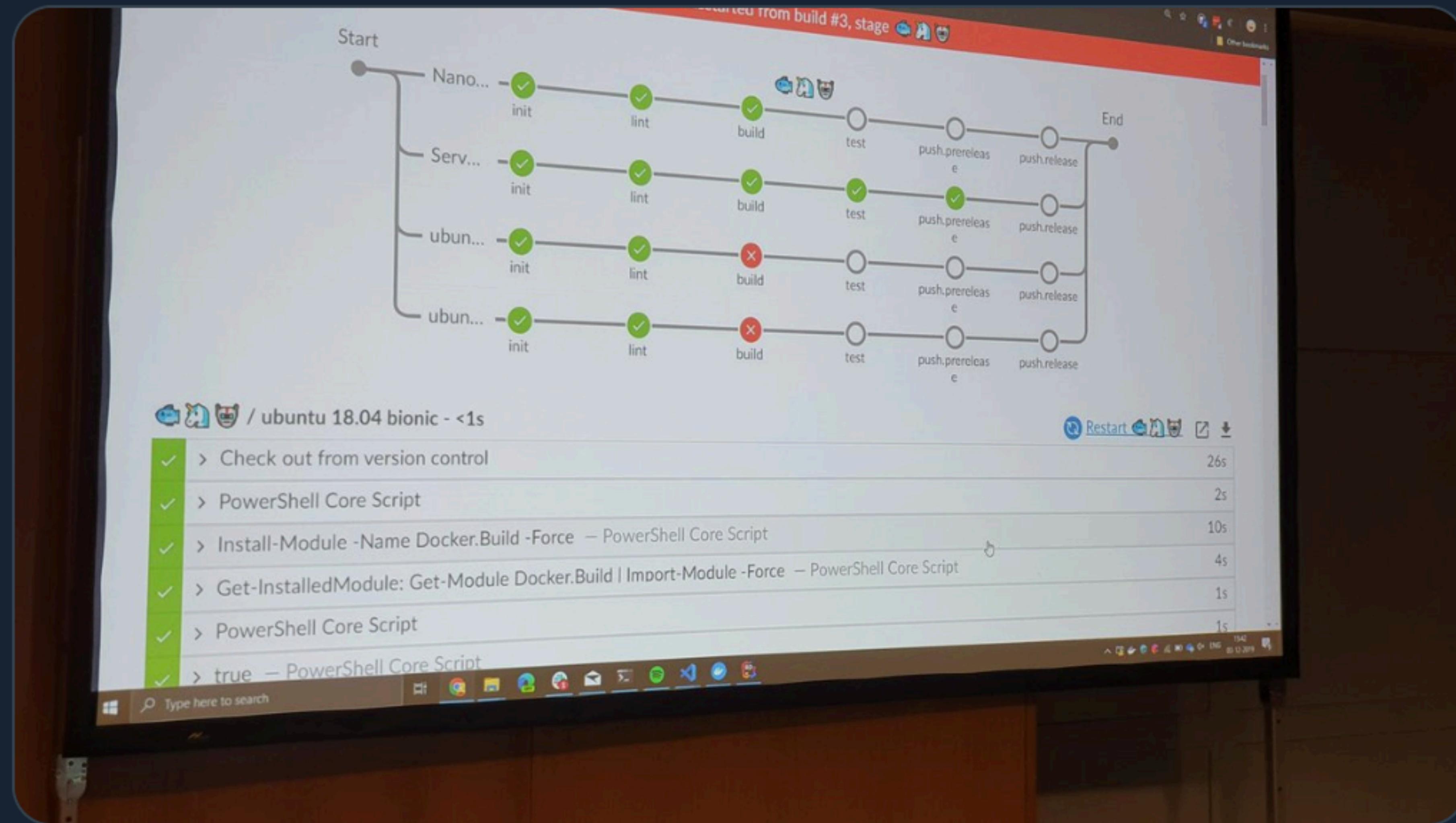


Jenkins



Oleg Nenashev @oleg_nenashev · 5 ч

There is emoji support in Jenkins 2.190+. Works in Blue Ocean too 😊 Thanks to [@alexcearl](#) for the feature and to [@Caszum](#) for the demo! #JenkinsWorld



4

13



Jenkins report



Allure

allure-framework / allure-android

Watch ▾ 17 Star 41 Fork 13

Code Issues 4 Pull requests 1 Actions Security Insights

Android library for generating instrumentation reports in Allure format

android espresso kotlin automation

85 commits 3 branches 0 packages 4 releases 8 contributors View license

Branch: master New pull request Create new file Upload files Find file Clone or download

File	Description	Time
.github	release hook	29 days ago
allure-android-commons	Rm stopTestCase/writeTestCase from testWithException (#41)	last month
allure-android-model	add assumed and ignored tests (#37)	last month
allure-espresso	Rm stopTestCase/writeTestCase from testWithException (#41)	last month
gradle	fix release stage	2 months ago
.gitignore	github version 2.5.1	2 years ago
LICENSE	Allure android coming to github	3 years ago
README.md	Update README.md	28 days ago
build.gradle	fix minSdk for [17] (#36)	last month

16:30 - 17:30

Визуализация покрытия
автотестов

Артем Ерошенко

Qameta Software

#selenoid #allure #coverage #heatmap #java
#selenide



RU



Contract Testing +



IDEA plugin

The screenshot displays the QA Lithium plugin interface integrated into an IDE. On the left, there's a sidebar with a yellow circular icon containing a flask and test tubes, followed by the title "QA Lithium" and a 5-star rating. Below that is the author's name, "Yuriy Artamonov". To the right, there are tabs for "Overview" and "Versions". The main area shows a code editor with Java test code for "LoginTest.java". The code includes imports, a class definition, and a test method. A tooltip "XPath fragments" points to the XPath expression in the test method. Another tooltip "CSS Fragments" points to the CSS selector used in the code. A third tooltip "JavaScript" points to the JavaScript executed via Selenide. A fourth tooltip "RegExp" points to the regular expression used in the code. The code editor has a "Project" view on the left showing the file structure. On the right, there's a "Structure" view showing the code structure and a context menu for the selected XPath fragment.

QA Lithium

Yuriy Artamonov

Get

Compatible with IntelliJ IDEA, Android Studio

Overview Versions

Project LoginTest.java

```
1: package com.haulmont.masquerade;
16: import ...
32: public class LoginTest {
33:     public static class LoginWindow {
34:         @FindBy(xpath = "//div[class='v-button']")
35:         public Button loginButton;
36:     }
37:     @Test
38:     public void login() {
39:         open("http://localhost:8080/app");
40:
41:         LoginWindow loginWindow = $c(LoginWindow.class);
42:
43:         $x("//div[contains(text(), '')]").click();
44:         $("div.enabled > a").click();
45:         Selenide.executeJavaScript("document.querySelector('a').click()", 0); JavaScript
46:
47:         loginWindow.loginButton
48:             .shouldBe(VISIBLE)
49:             .shouldBe(ENABLED)
50:             .should(matchText("Submit .+")); RegExp
51:     }
52: }
```

XPath fragments

CSS Fragments

JavaScript

RegExp

Structure

24: public class LoginTest {
25: @Test
26: public void login() {
27: open("http://localhost:8080/app");
28:
29: \$x("//div//div[contains(text(), \"\")].click(); Edit XPath Fragment
30: }
31: }

XPath Fragment (LoginTest.java:880).xpath

//div//div[contains(text(), "")]

Edit XPath Fragment

Language Injection Settings

Uninject language or reference

Dart testing

Flutter testing

Use the following resources to learn more about testing Flutter apps:

- [Testing Flutter Apps](#) How to perform unit, widget, or integration tests on a Flutter app.
- [flutter_test](#) A testing library for Flutter built on top of package:test.
- [flutter_driver](#) A testing library for testing Flutter applications on real devices and emulators (in a separate process).
- [flutter/examples/flutter_gallery](#) Tests for the Flutter gallery example.
- [flutter/dev/manual_tests](#) Many examples of tests in the Flutter SDK.



Links



https://github.com/volekerb/conferences/blob/master/heisenbug_msk2019_lightning.md