REST proof of concept

HTTP request

Method POST URL https://XXXXXXXX.com/authentication

Headers

Content-Type: application/json ×

Body

{ "userName": "XXXXXXXX", "password": "*******" }

[-] Response

Response Headers | Response Body (Raw) | Response Body (Highlight) | Response Body (Preview)

{
"refresh_token":
"eyJ0eXAiOiJKV1QiLA0KICJhbGciOiJSUzI1NiJ9.eyJqdGkiOiIwMDAwMDE1YWJiMjJhMmI5ZGU2YmM3
WIwY2RjN2FlZGU2YmM3YTJmM2MzNDIzMzcyNjQiLCJzY29wZSI6WyJvYXV0aC5hcHByb3ZhbHMiLC
oicGFzc3dvcmQiLCJ1c2VyX2lkIjoiMDAwMDAxNWFiMGNkYzdhZWRlNmJjN2EyZjNjMzQyMzM3MjY0Iiw
haWwiOiJ5dmI2YW5vdkB5YWhvby5jb20iLCJwYXJlbnRfYWNjb3VudF9pZCI6bnVsbCwiaWF0IjoxNDYxM
A6Ly9sb2NhbGhvc3QvdWFhL29hdXRoL3Rva2VuIiwiYXVkIjpbIm9hdXRoLmFwcHJvdmFscyIsIm9wZW5
ghSwJSF6va4EdQMJ6cJHtMxxOQfy4ETgglPcauMTguxqaYrh5Whu-rlyDAywyLU4mHaVafjQptJMV28hb
8RTlp9F-Gl_5XBfulcFPZQR1nM7RWV15e7gz7nrBf0jtkE0kFLorwf9nPJxPGBwFCgCyQw3sGdHZcvyU_
utW2iZawiZAkRzfEdnlZWlQodNrqq1UCacR1n19yTLwUEXfsML2bjPKnj3jxdcHH0
"access_token":
0KICJhbGciOiJSUzI1NiJ9.eyJqdGkiOiIwMDAwMDE1YWJiMjJhMmI5ZGU2YmM3
WIwY2RiN2FlZGU2YmM3YTJmM2MzNDIzMzcyNiQiLCJzY29wZSI6WyJvYXV0aC5hcHBvb3ZhbHMiLC

BASE64 “access-token”

Decoded EDIT THE PAYLOAD AND SECRET (ONLY HS256 SUPPORTED)

HEADER: ALGORITHM & TOKEN TYPE


```
{
  "typ": "JWT",
  "alg": "RS256"
}
```


PAYLOAD: DATA


```
{
  "jti": "00000                                    ",
  "sub": "00000                                    ",
  "scope": [
    "oauth.approvals",
    "openid"
  ],
  "cid": "login",
  "grant_type": "password",
  "user_id": "                                              ",
  "user_name": "yvivanov@          ",
  "email": "yvivanov@          ",
  "parent_account_id": null,
  "iat": 1461082816,
  "exp": 1461126016,
  "iss": "http://localhost/uaa/oauth/token",
  "aud": [
    "oauth.approvals",
    "openid"
  ]
}
```


VERIFY SIGNATURE

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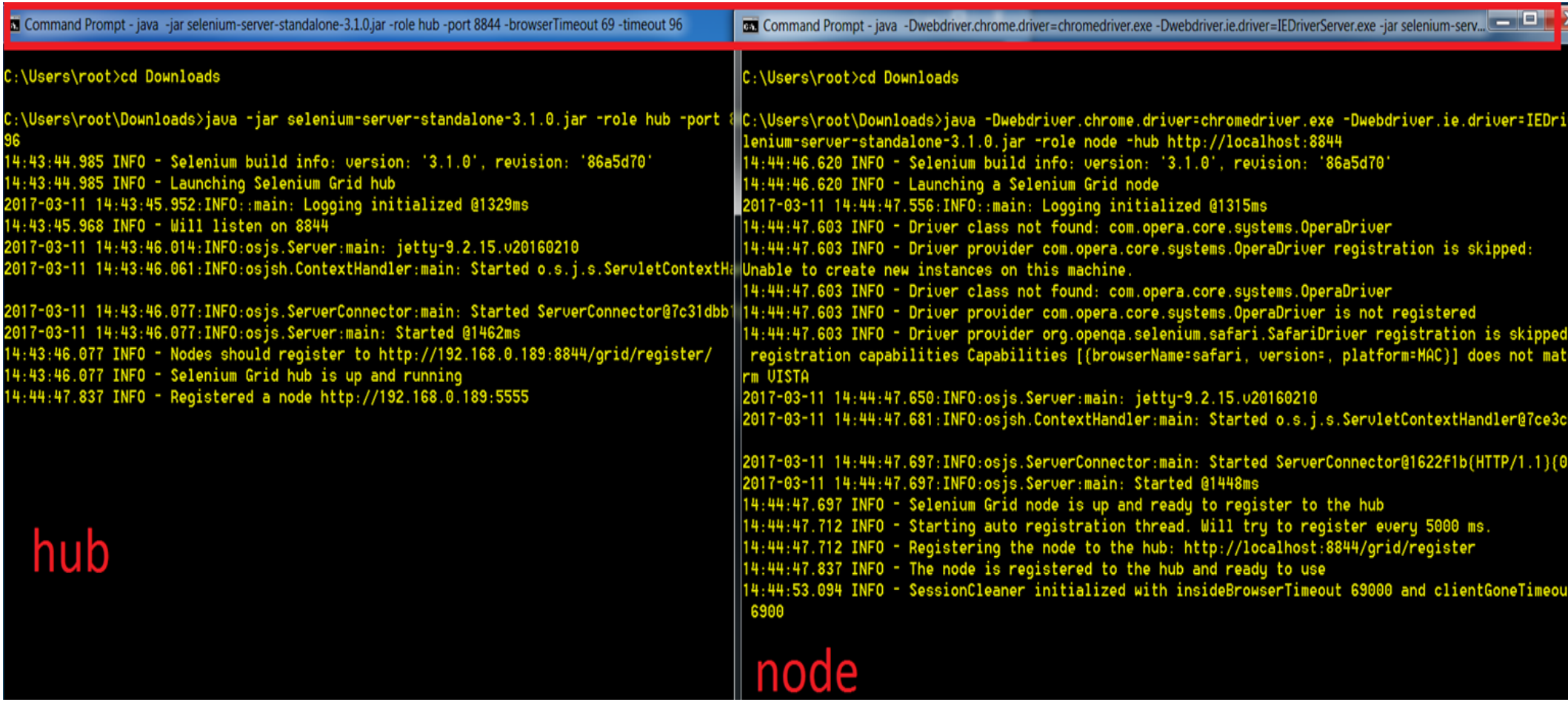
Selenium Grid configuration

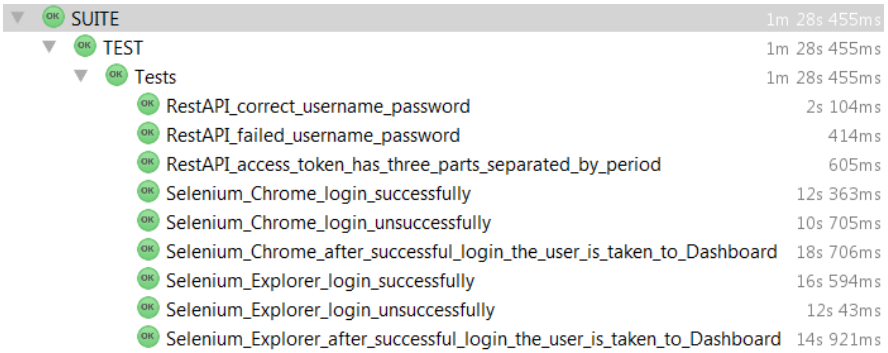
```
java -jar selenium-server-standalone-3.1.0.jar -role hub -port 8844 -browserTimeout 69 -timeout 96
```

```
java -Dwebdriver.chrome.driver=chromedriver.exe -Dwebdriver.ie.driver=IEDriverServer.exe -jar selenium-server-standalone-3.1.0.jar -role node -hub http://localhost:8844
```

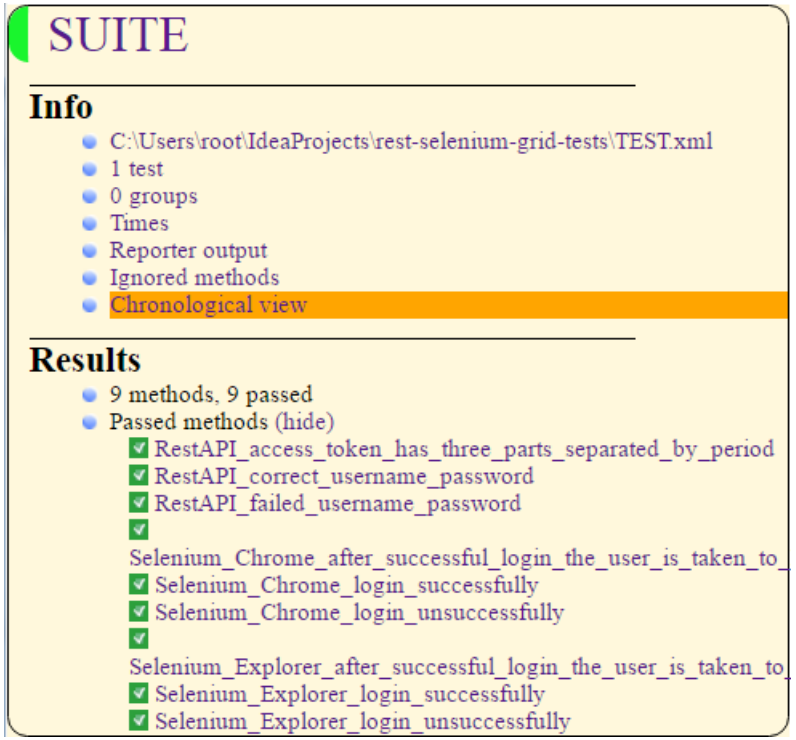


TestNG tests

IntelliJ IDE TestNG run-time report



TestNG final report



Gradle final report

Class Tests

all > default-package > Tests

9	0	0	1m15.24s
tests	failures	ignored	duration

100% successful

Tests | Standard error

Test	Duration	Result
RestAPI_access_token_has_three_parts_separated_by_period	0.640s	passed
RestAPI_correct_username_password	1.466s	passed
RestAPI_failed_username_password	0.390s	passed
Selenium_Chrome_after_successful_login_the_user_is_taken_to_Dashboard	9.793s	passed
Selenium_Chrome_login_successfully	10.293s	passed
Selenium_Chrome_login_unsuccessfully	8.665s	passed
Selenium_Explorer_after_successful_login_the_user_is_taken_to_Dashboard	16.732s	passed
Selenium_Explorer_login_successfully	14.022s	passed
Selenium_Explorer_login_unsuccessfully	13.243s	passed

Wrap lines

Generated by Gradle 3.1

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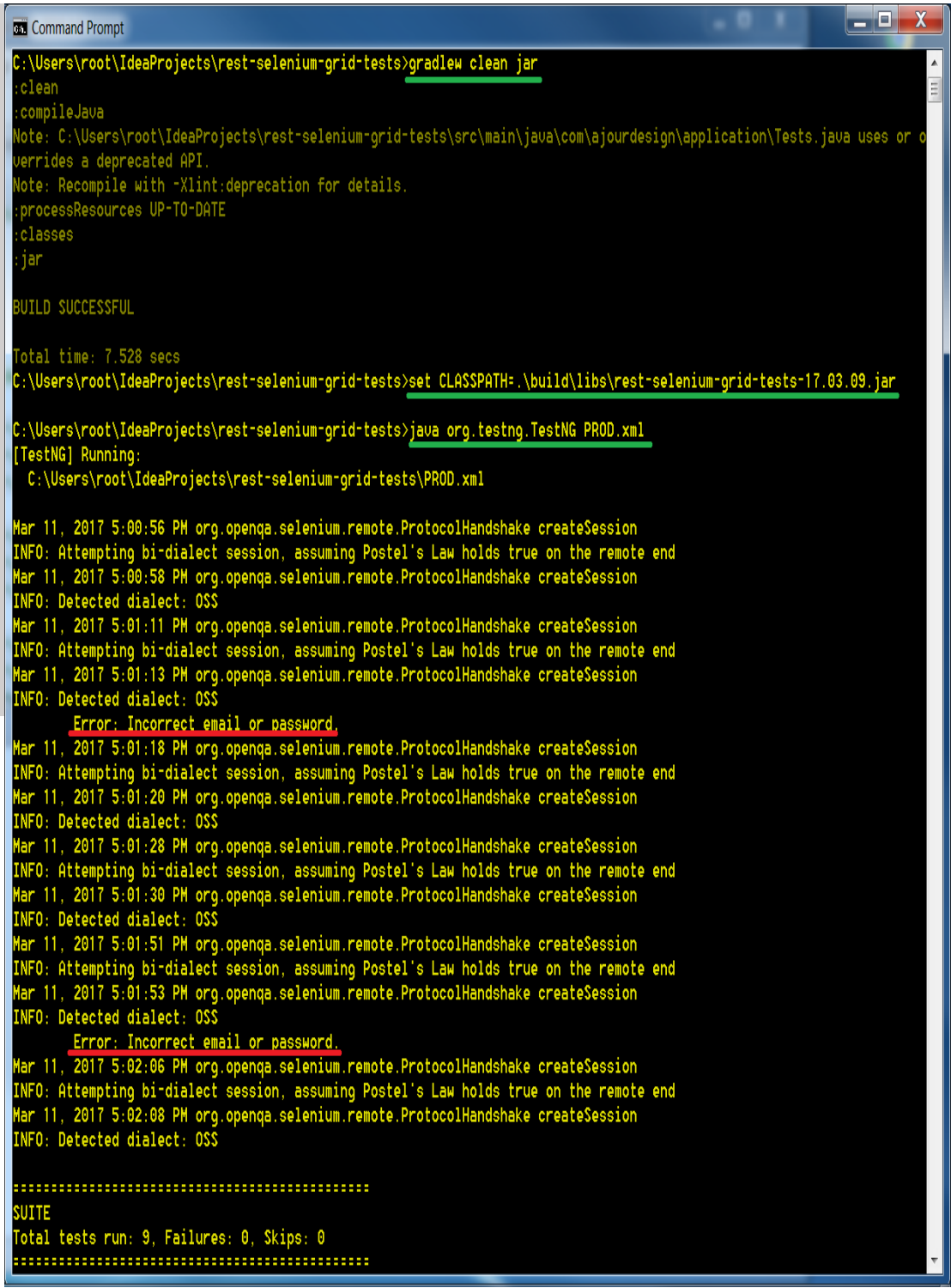
Gradle run-time

```
[set | export] AURL=<authentication_url>
[set | export] SURL=<selemium_test_url>
[set | export] HURL=<selemium_grid_hub_url>
[set | export] USER=<e-mail>
[set | export] PSWD=<password>

cd <project_folder>
gradlew clean jar
set CLASSPATH=.\build\libs\rest-selenium-grid-tests-17.03.09.jar
java org.testng.TestNG PROD.xml
...
===============================================
SUITE
Total tests run: 9, Failures: 0, Skips: 0
===============================================
```