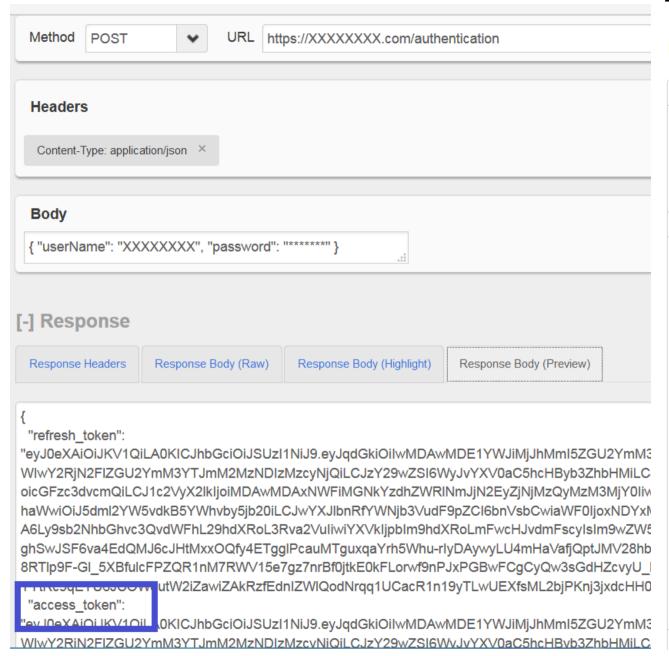
REST proof of concept

HTTP request



BASE64 "access-token"

Decoded EDIT THE PAYLOAD AND SECRET (ONLY HS256 SUPPORTED)

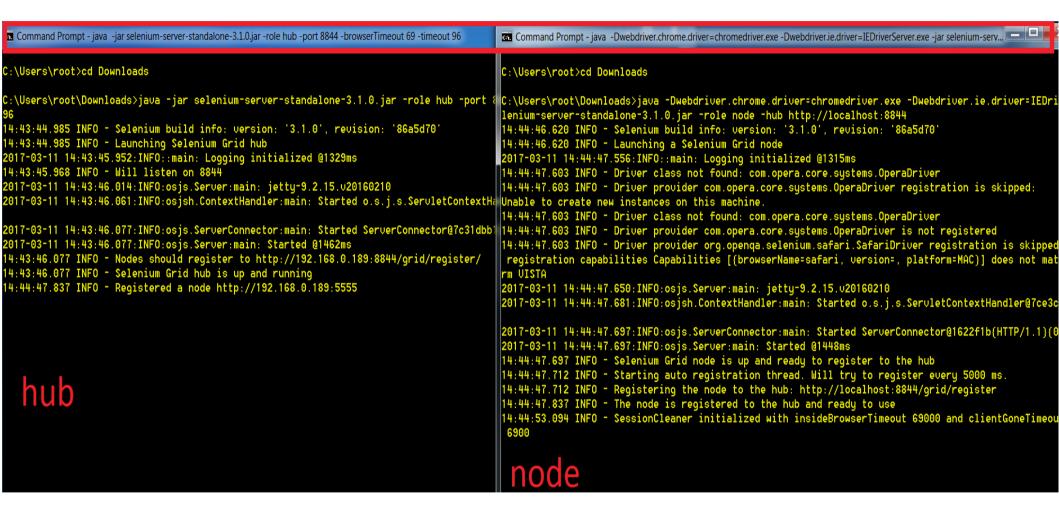
```
HEADER: ALGORITHM & TOKEN TYPE
    "typ": "JWT",
    "alg": "RS256"
PAYLOAD: DATA
    "jti": "00000
    "sub": "00000
    "scope": [
      "oauth.approvals",
      "openid"
    "cid": "login",
    "grant_type": "password",
    "user_id": "
    'user_name": "yvivanov@
    'email": "yvivanov@
    'parent_account_id": null,
    "iat": 1461082816,
    "exp": 1461126016,
    iss": "http://localhost/uaa/oauth/token",
    'aud": [
      "oauth.approvals",
      "openid"
```

VERIFY SIGNATURE

Selenium Grid configuration

java -jar selenium-server-standalone-3.1.0.jar **-role** java -Dwebdriver.chrome.driver=chromedriver.exe **hub** -port 8844 -browserTimeout 69 -timeout 96 -Dwebdriver.ie.driver=IEDriverServer.exe -jar s

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

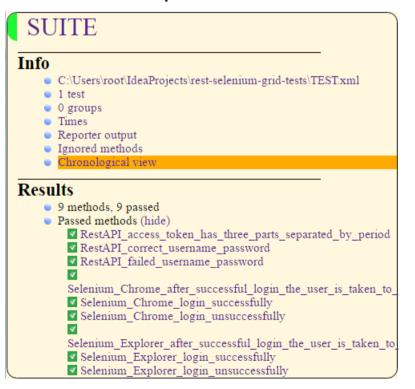


TestNG tests

IntelliJ IDE TestNG run-time report



TestNG final report



Gradle final report

Class Tests

all > default-package > Tests



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

Gradle run-time

```
Command Prompt
 :\Users\root\IdeaProjects\rest-selenium-grid-tests>gradlew clean jar
 ote: C:\Users\root\IdeaProjects\rest-selenium-grid-tests\src\main\java\com\ajourdesign\application\Tests.java uses or o
  errides a deprecated API.
 ote: Recompile with -Xlint:deprecation for details.
  processResources UP-TO-DATE
 classes
 UILD SUCCESSFUL
 otal time: 7.528 secs
  \Users\root\IdeaProjects\rest-selenium-grid-tests>set CLASSPATH=.\build\libs\rest-selenium-grid-tests-17.03.09.jar
  \Users\root\IdeaProjects\rest-selenium-grid-tests>java_org.testng.TestNG_PROD.xml
 C:\Users\root\IdeaProjects\rest-selenium-grid-tests\PROD.xml
 ar 11, 2017 5:00:56 PM org.openqa.selenium.remote.ProtocolHandshake createSession
 NFO: Attempting bi-dialect session, assuming Postel's Law holds true on the remote end
 ar 11, 2017 5:00:58 PM org.openga.selenium.remote.ProtocolHandshake createSession
  NFO: Detected dialect: OSS
 ar 11, 2017 5:01:11 PM org.openqa.selenium.remote.ProtocolHandshake createSession
 NFO: Attempting bi-dialect session, assuming Postel's Law holds true on the remote end
 ar 11, 2017 5:01:13 PM org.openqa.selenium.remote.ProtocolHandshake createSession
 NFO: Detected dialect: OSS
       Error: Incorrect email or password.
 dar 11, 2017 5:01:18 PM org.openqa.selenium.remote.ProtocolHandshake createSession
NFO: Attempting bi-dialect session, assuming Postel's Law holds true on the remote end
 ar 11, 2017 5:01:20 PM org.openga.selenium.remote.ProtocolHandshake createSession
 NFO: Detected dialect: OSS
 ar 11, 2017 5:01:28 PM org.openqa.selenium.remote.ProtocolHandshake createSession
 NFO: Attempting bi-dialect session, assuming Postel's Law holds true on the remote end
 ar 11, 2017 5:01:30 PM org.openqa.selenium.remote.ProtocolHandshake createSession
 NFO: Detected dialect: OSS
 ar 11, 2017 5:01:51 PM org.openqa.selenium.remote.ProtocolHandshake createSession
 NFO: Attempting bi-dialect session, assuming Postel's Law holds true on the remote end
 dar 11, 2017 5:01:53 PM org.openqa.selenium.remote.ProtocolHandshake createSession
 NFO: Detected dialect: OSS
       Error: Incorrect email or password.
 ar 11, 2017 5:02:06 PM org.openqa.selenium.remote.ProtocolHandshake createSession
 NFO: Attempting bi-dialect session, assuming Postel's Law holds true on the remote end
Mar 11, 2017 5:02:08 PM org.openqa.selenium.remote.ProtocolHandshake createSession
 NFO: Detected dialect: OSS
  otal tests run: 9, Failures: 0, Skips: 0
  -----
```