

YAZILIM GELİŖTİRME ORTAM VE ARACLARI

FİNAL RAPORU

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Rest Servis kodu

```
SpringBootApplicationTests.java  RESTServisi.java  ✖
1 package com.yucelozalp.SpringBoot;
2 import java.util.*;
3
4
5
6 // TODO: Auto-generated Javadoc
7 /**
8  * The Class RESTServisi.
9  */
10 @RestController
11 public class RESTServisi {
12
13     /** The ogrenciler. */
14     private List<Ogrenci> ogrenciler = new ArrayList<Ogrenci>();
15
16     /**
17      * Instantiates a new REST servisi.
18      */
19     public RESTServisi() {
20
21     }
22
23     /**
24      * Instantiates a new REST servisi.
25      *
26      * @param ogrenciler the ogrenciler
27      */
28     public RESTServisi(List<Ogrenci> ogrenciler) {
29         this.ogrenciler = ogrenciler;
30     }
31
32
33     /**
34      * The Class Ogrenci.
35      */
36     class Ogrenci {
37
38         /** The soyad. */
39         String ad, soyad;
40
41         /** The id. */
42         int id;
43
44         /**
45          * Gets the id.
46          *
47          * @return the id
48          */
49         public Integer getId() {return id;}
50
51         /**
52          * Gets the ad.
53          *
54          * @return the ad
55          */
56         public String getAd() { return ad;}
57
58         /**
59          * Gets the soyad.
60          *
61          * @return the soyad
62          */
63         public String getSoyad() { return soyad;}
64     }
65 }
```

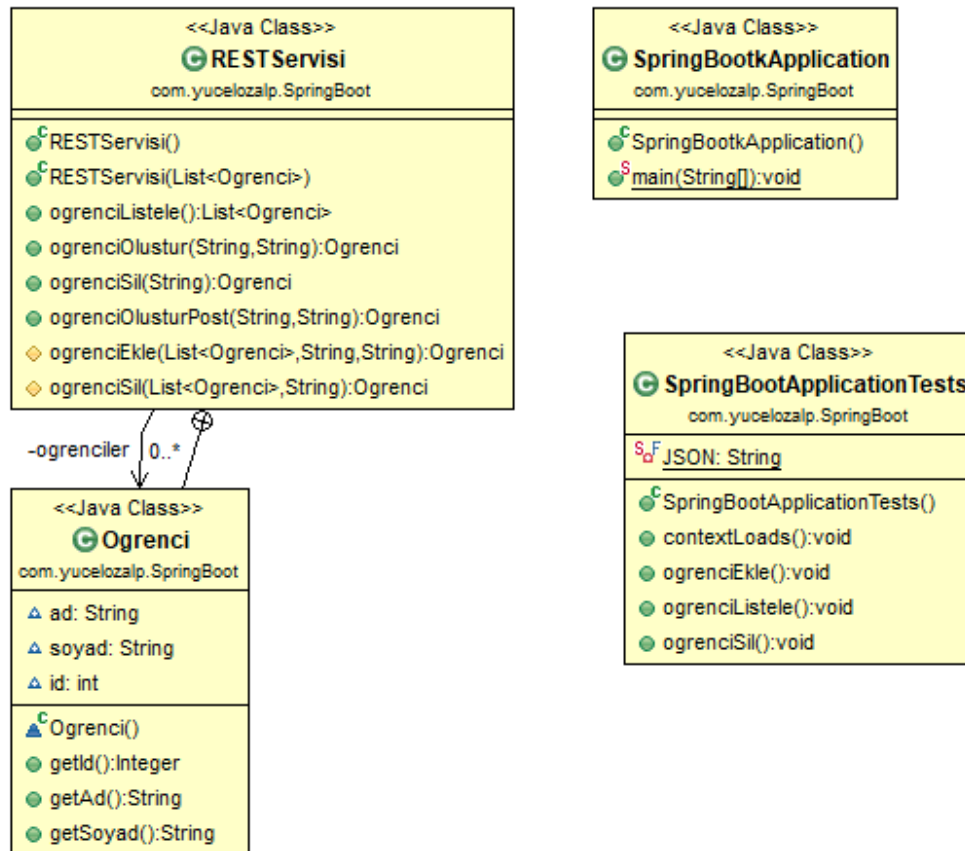
```
SpringBootApplicationTests.java  RESTServisi.java
60      *
61      * @return the soyad
62      */
63      public String getSoyad() { return soyad;}
64  }
65
66
67  /**
68   * http://localhost:8080/ogrenci/listele.
69   *
70   * @return the list
71   */
72  @RequestMapping("/ogrenci/listele")
73  public List<Ogrenci> ogrenciListele() {
74      return ogrenciler;
75  }
76
77  /**
78   * http://localhost:8080/ogrenci/olustur?ad=Mehmet&soyad=Kara4.
79   *
80   * @param ad the ad
81   * @param soyad the soyad
82   * @return the ogrenci
83   */
84  @RequestMapping(value="/ogrenci/olustur",method = RequestMethod.GET)
85  public synchronized Ogrenci ogrenciOlustur(String ad, String soyad) {
86      return ogrenciEkle(ogrenciler, ad, soyad);
87  }
88
89  /**
90   * http://localhost:8080/ogrenci/sil?id=0.
91   *
92   * @param id the id
93   * @return the ogrenci
94   */
95  @RequestMapping(value="/ogrenci/sil",method = RequestMethod.GET)
96  public synchronized Ogrenci ogrenciSil(String id) {
97      return ogrenciSil(ogrenciler, id);
98  }
99
100  /**
101   * http://localhost:8080//ogrenci/olustur/post.
102   *
103   * @param ad the ad
104   * @param soyad the soyad
105   * @return the ogrenci
106   */
107  @RequestMapping(
108      value="/ogrenci/olustur/post", //
109      method = RequestMethod.POST //
110  )
111  public synchronized Ogrenci ogrenciOlusturPost(String ad, String soyad) {
112      return ogrenciEkle(ogrenciler, ad, soyad);
113  }
114
115  /**
116   * Ogrenci ekle.
117   *
118   * @param liste the liste
119   * @return the ogrenci
```

JUnit ve Birim Test

```
SpringBootApplicationTests.java  RESTServisi.java

1  package com.yucelozalp.SpringBoot;
2
3  import org.junit.Test;
4
5
6
7
8
9
10
11
12
13
14
15 // TODO: Auto-generated Javadoc
16 /**
17  * The Class SpringBootApplicationTests.
18  */
19 @RunWith(SpringRunner.class)
20 @SpringBootTest
21 public class SpringBootApplicationTests {
22
23     /** The Constant JSON. */
24     private final static String JSON = MediaType.APPLICATION_JSON.toString();
25
26     /**
27      * Context loads.
28      */
29     @Test
30     public void contextLoads() {
31     }
32
33     /**
34      * Öğrenci ekle.
35      */
36     @Test
37     public void ogrenciEkle() {
38         Map<String,String> ogrenci = new HashMap<>();
39         ogrenci.put("ad", "Yücel");
40         ogrenci.put("soyad", "Özalp");
41
42         given()
43             .contentType("application/json")
44             .body(ogrenci)
45             .when().post("http://localhost:8080/ogrenci/olustur/post").then()
46                 .statusCode(200);
47     }
48
49     /**
50      * Öğrenci listele.
51      */
52     @Test
53     public void ogrenciListele() {
54         given().when().get("http://localhost:8080/ogrenci/listele").then().statusCode(200);
55     }
56
57     /**
58      * Öğrenci sil.
59      */
60     @Test
61     public void ogrenciSil() {
62         given().pathParam("id", 1)
63             .when().delete("http://localhost:8080/ogrenci/sil?id={id}")
64             .then().statusCode(200);
65     }
66
67 }
68
```

UML



POSTMAN İSTEĞİ

https://extenship.com ● https://extenship.com ● http://localhost:55795 ● http://amazonwebapi. ● https://extenship.com ●

GET http://localhost:8080/ogrenci/olustur?ad=Yücel&soyad=Özalp

Authorization Headers Body Pre-request Script Tests

TYPE

Inherit auth from parent ▼

The authorization header will be automatically generated when you send the request. [Learn more about authorization](#)

This request is not inh

Body Cookies Headers (3) Test Results

Pretty Raw Preview JSON ▼

```
1 {
2   "ad": "Yücel",
3   "soyad": "Özalp",
4   "id": 0
5 }
```

GET ▾

http://localhost:8080/ogrenci/listele

Authorization

Headers

Body

Pre-request Script

Tests

TYPE

Inherit auth from parent ▾

The authorization header will be automatically generated when you send the request. [Learn more about authorization](#)

T

Body

Cookies

Headers (3)

Test Results

Pretty

Raw

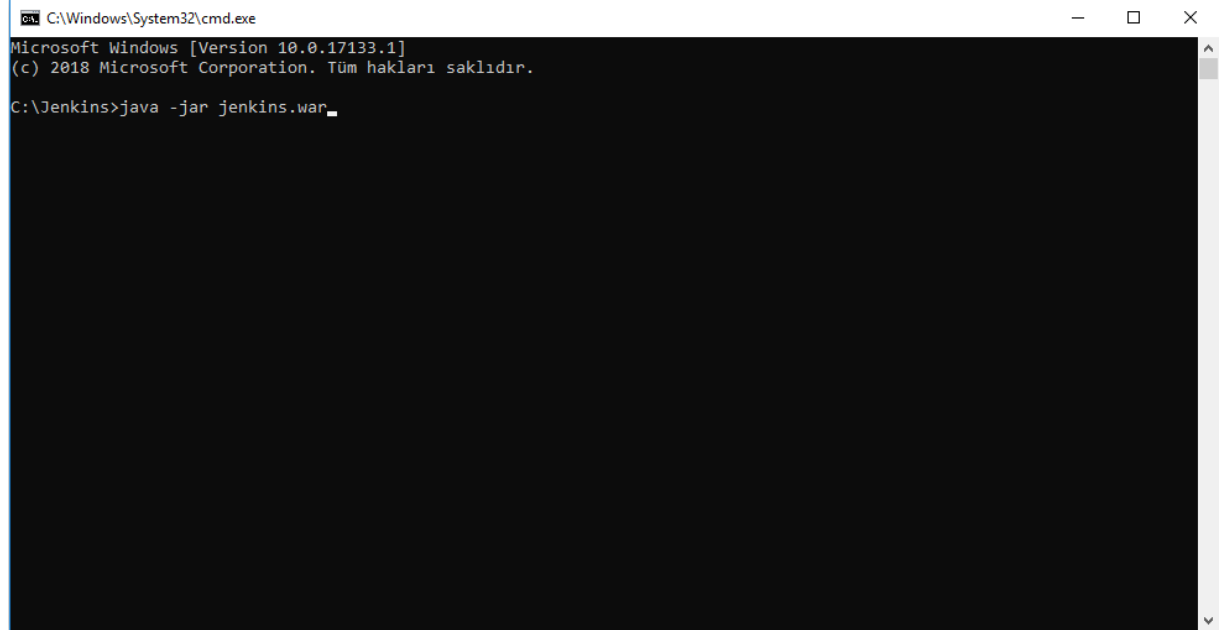
Preview

JSON ▾



```
1 [
2   {
3     "ad": "Yücel",
4     "soyad": "Özalp",
5     "id": 0
6   }
7 ]
```

JENKINS KURULUMU



```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.17133.1]
(c) 2018 Microsoft Corporation. Tüm hakları saklıdır.

C:\Jenkins>java -jar jenkins.war_
```

The image shows a Windows command prompt window with a black background and white text. The title bar at the top reads 'C:\Windows\System32\cmd.exe'. The window content displays the standard Windows startup text: 'Microsoft Windows [Version 10.0.17133.1] (c) 2018 Microsoft Corporation. Tüm hakları saklıdır.' followed by the command prompt 'C:\Jenkins>' and the command 'java -jar jenkins.war_'. A vertical scrollbar is visible on the right side of the window.

Unlock Jenkins

To ensure Jenkins is securely set up by the administrator, a password has been written to the log ([not sure where to find it?](#)) and this file on the server:

`C:\Users\MSI\.jenkins\secrets\initialAdminPassword`

Please copy the password from either location and paste it below.





















Administrator password

.....



Continue

Getting Started

 Folders	 OWASP Markup Formatter	 Build Timeout	 Credentials Binding	** Script Security ** Command Agent Launcher
 Timestampers	 Workspace Cleanup	 Ant	 Gradle	Folders
 Pipeline	 GitHub Branch Source	 Pipeline: GitHub Groovy Libraries	 Pipeline: Stage View	
 Git	 Subversion	 SSH Slaves	 Matrix Authorization Strategy	
 PAM Authentication	 LDAP	 Email Extension	 Mailer	
				** - required dependency

Getting Started

Create First Admin User

Kullanıcı Adı:

Şifre:

Şifreyi Doğrula:

Tam İsim:

E-posta adresi:

Jenkins 2.107.3

Continue as admin

Save and Finish

Jenkins

Jenkins - Global Tool Configuration

[Back to Dashboard](#)
[Manage Jenkins](#)

Global Tool Configuration

Maven Configuration

Default settings provider:

Default global settings provider:

JDK

JDK installations...

Git

Git installations

<input checked="" type="checkbox"/>	Git	<input type="text" value="Default"/>	<input type="text" value="git.exe"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>There's no such executable git.exe in PATH: C:\Program Files (x86)\Common Files\Oracle\Java\javapath, C:\WINDOWS\system32, C:\WINDOWS, C:\WINDOWS\System32\Wbin, C:\WINDOWS\System32\WindowsPowerShell\v1.0\, C:\WINDOWS\System32\OpenSSH, C:\Program Files (x86)\NVIDIA Corporation\PhysX\Common, C:\Program Files\dotnet, C:\Program Files\Microsoft SQL Server\120\Tools\Binn\, C:\Program Files\PuTTY, C:\Program Files (x86)\Skype\Phone\, C:\Users\MSI\AppData\Local\Microsoft\WindowsApps.</p>					
<input type="checkbox"/>	Install automatically	<input type="checkbox"/>			
<input checked="" type="checkbox"/>	JGit	<input type="checkbox"/>			
<input checked="" type="checkbox"/>	JGit with Apache HTTP client	<input type="checkbox"/>			

Save Apply

Jenkins > Global Tool Configuration

JGit

?

Delete Git

JGit with Apache HTTP client

?

Delete Git

Add Git

Gradle

Gradle installations

Add Gradle

List of Gradle installations on this system

Ant

Ant installations

Add Ant

List of Ant installations on this system

Maven

Maven installations

Maven

Bin

Maven 3.5.2

☒ Install automatically

Install from Apache

Version 3.5.2

Delete Installer

Add Installer

Add Maven

List of Maven installations on this system

Docker


Save

Apply

Enter an item name


SpringBoot

> Required field




Serbest-stil yazılım projesi yapılır

Jenkins'in merkezi özelliği, projelerinizi yapılandırmanıza yardım etmesidir. Bu proje türünü kullanarak, herhangi bir yapılandırma sistemini herhangi bir Kaynak Kodu Yönetimi aracı ile birleştirebilirsiniz,ve hatta yazılım yapılandırmanın dışında başka tür projeler için dahi kullanabilirsiniz.




Pipeline

Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.




Çoklu-konfigürasyona sahip proje yapılır

Platforma Özgü yapılandırmalara sahip veya çeşitli ortamlarda test işlemi yapan projeler gibi çok fazla sayıda konfigürasyona ihtiyaç duyan projeler için uygundur.




Folder

Creates a container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder creates a separate namespace, so you can have multiple things of the same name as long as they are in different folders.



GitHub Organization

Scans a GitHub organization (or user account) for all repositories matching some defined markers.



Multibranch Pipeline

Creates a set of Pipeline projects according to detected branches in one SCM repository.

OK

Jenkins » SpringBoot »

General **Kaynak Kodu Yönetimi** Yapılandırma Tetikleyiciler Yapılandırma Ortamı Yapılandırma Yapılandırma-sonrası Aksiyonlar

Kaynak Kodu Yönetimi

☐ Hibrit ☒ Git

Repositories

Repository URL:

Credentials: [Add](#)

[Gelişt...](#)

[Add Repository](#)

Branches to build

Branch Specifier (blank for 'any'):

[Add Branch](#)

Git executable:

Repository tarayıcısı:

Additional Behaviours: [Add](#)

☐ Subversion

Yapılandırma Tetikleyiciler

☐ Yapılandırmaları uzaktan tetikle (örn., scriptlerden)

☐ Build after other projects are built

☐ GitHub hook trigger for GITScm polling

☐ Periyodik olarak yapılandır

☐ SCM testleri

[Kaydet](#) [Apply](#)

Yapılandırma

[En üst seviye Maven hedeflerini çalıştır](#)

Maven Versiyonu:

Hedefler:

POM:

Properties:

JVM Options:

Inject build variables: ☐

Use private Maven repository: ☐

Settings file:

Global Settings file:

[Yapılandırma adımı ekle](#)

SONAR QUBE

```
SonarQube
jvm 1 | at org.elasticsearch.cli.EnvironmentAwareCommand.execute(EnvironmentAwareCommand.java:70)
jvm 1 | at org.elasticsearch.cli.Command.mainWithoutErrorHandling(Command.java:134)
jvm 1 | at org.elasticsearch.cli.Command.main(Command.java:90)
jvm 1 | at org.elasticsearch.bootstrap.Elasticsearch.main(Elasticsearch.java:91)
jvm 1 | at org.elasticsearch.bootstrap.Elasticsearch.main(Elasticsearch.java:84)
jvm 1 |
jvm 1 | 2018-06-06 11:25:15,744 main ERROR Null object returned for Delete in DefaultRolloverStrategy.
jvm 1 | 2018.06.06 11:25:21 INFO app[][o.s.a.SchedulerImpl] Process[es] is up
jvm 1 | 2018.06.06 11:25:21 INFO app[][o.s.a.p.ProcessLauncherImpl] Launch process[[key='web', ipcIndex=2, logFilenam
mePrefix=web]] from [C:\Users\MSI\Downloads\sonarqube-7.1\sonarqube-7.1]: C:\Program Files\Java\jre1.8.0_171\bin\java -D
java.awt.headless=true -Dfile.encoding=UTF-8 -Djava.io.tmpdir=C:\Users\MSI\Downloads\sonarqube-7.1\sonarqube-7.1\temp -Xm
mx512m -Xms128m -XX:+HeapDumpOnOutOfMemoryError -cp ./lib/common/*;C:\Users\MSI\Downloads\sonarqube-7.1\sonarqube-7.1\li
b\jdbc\h2\h2-1.3.176.jar org.sonar.server.app.WebServer C:\Users\MSI\Downloads\sonarqube-7.1\sonarqube-7.1\temp\sq-proce
ss3156968362651056093properties
jvm 1 | 2018.06.06 11:25:44 INFO app[][o.s.a.SchedulerImpl] Process[web] is up
jvm 1 | 2018.06.06 11:25:44 INFO app[][o.s.a.p.ProcessLauncherImpl] Launch process[[key='ce', ipcIndex=3, logFilenam
ePrefix=ce]] from [C:\Users\MSI\Downloads\sonarqube-7.1\sonarqube-7.1]: C:\Program Files\Java\jre1.8.0_171\bin\java -Dja
va.awt.headless=true -Dfile.encoding=UTF-8 -Djava.io.tmpdir=C:\Users\MSI\Downloads\sonarqube-7.1\sonarqube-7.1\temp -Xmx
512m -Xms128m -XX:+HeapDumpOnOutOfMemoryError -cp ./lib/common/*;C:\Users\MSI\Downloads\sonarqube-7.1\sonarqube-7.1\lib\
jdbc\h2\h2-1.3.176.jar org.sonar.ce.app.CeServer C:\Users\MSI\Downloads\sonarqube-7.1\sonarqube-7.1\temp\sq-process13062
5239850663688properties
jvm 1 | 2018.06.06 11:25:50 INFO app[][o.s.a.SchedulerImpl] Process[ce] is up
jvm 1 | 2018.06.06 11:25:50 INFO app[][o.s.a.SchedulerImpl] SonarQube is up
```

En ust seviye Maven hedeflerini çalıştır

Maven Versiyonu

Maven 3.5.2

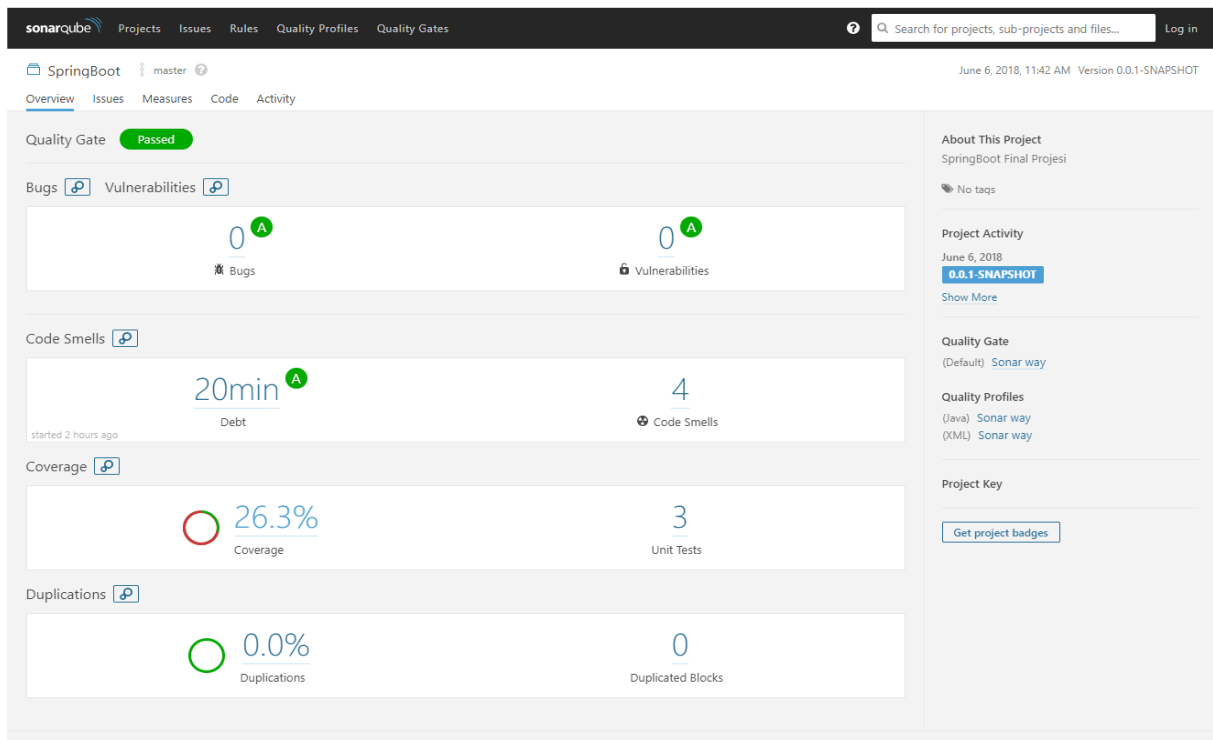
Hedefler

install sonar:sonar

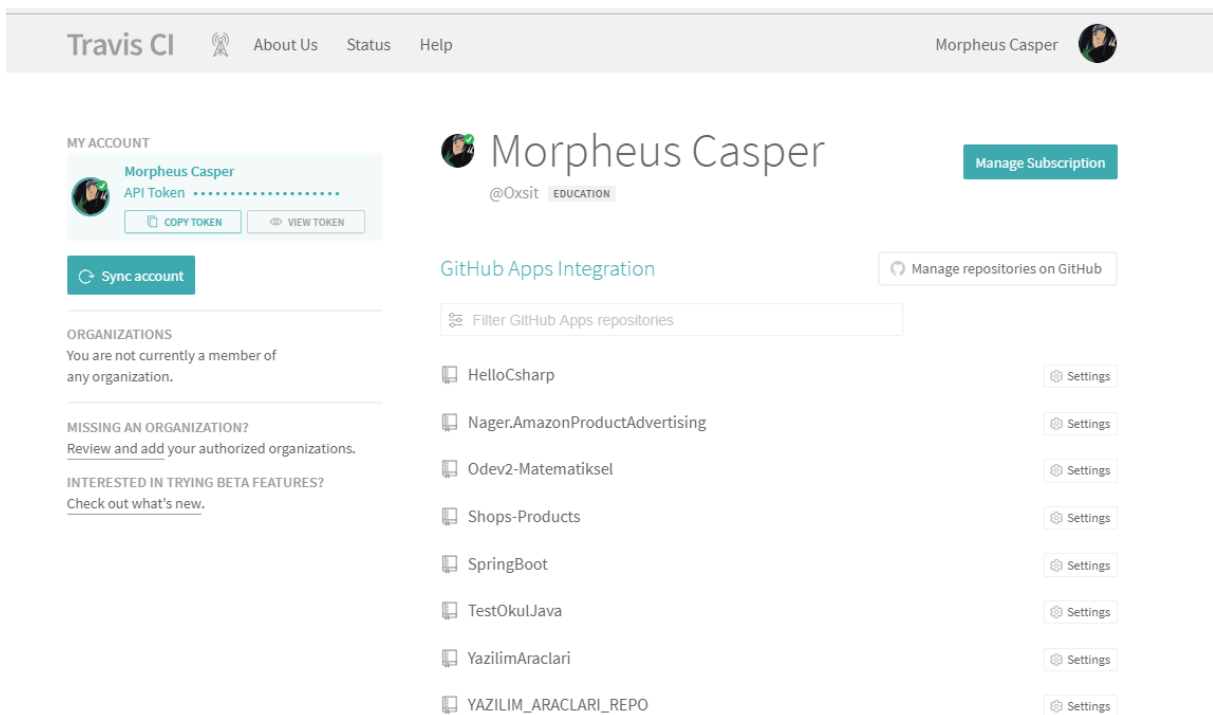
Gelişmiş...

Yapılandırma adımı ekle

```
[INFO] Analysis report uploaded in 482ms
[INFO] ANALYSIS SUCCESSFUL, you can browse http://localhost:9000/dashboard/index/com.yucelozalp.SpringBoot
[INFO] Note that you will be able to access the updated dashboard once the server has processed the submitted analysis report
[INFO] More about the report processing at http://localhost:9000/api/ce/task?id=AWPUQpVQxngD7h\_fQ1Q4
[INFO] Task total time: 4.267 s
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 15.852 s
[INFO] Finished at: 2018-06-06T11:42:03+03:00
[INFO] Final Memory: 34M/484M
[INFO] -----
Finished: SUCCESS
```



Travis CI



The simplest way to test and deploy your projects.

Easily sync your GitHub projects with Travis CI and you'll be testing your code in minutes.

 Sign up with GitHub





Travis CI About Us Status Help

Morpheus Casper



Search all repositories





My Repositories Running (0/1) +

- Oxsi/SpringBoot
 - Duration: -
- Oxsi/Shops-Products
 - Duration: -
- Oxsi/YAZILIM_ARACLARI_REPO
 - Duration: -
- Oxsi/Odev2-Matematiksel
 - Duration: -
- Oxsi/YazilimAracLari

Oxsi / SpringBoot  

Current Branches Build History Pull Requests > Build #1 Job #1.1 More options

master Create .travis.yml  #1.1 queued  Cancel job

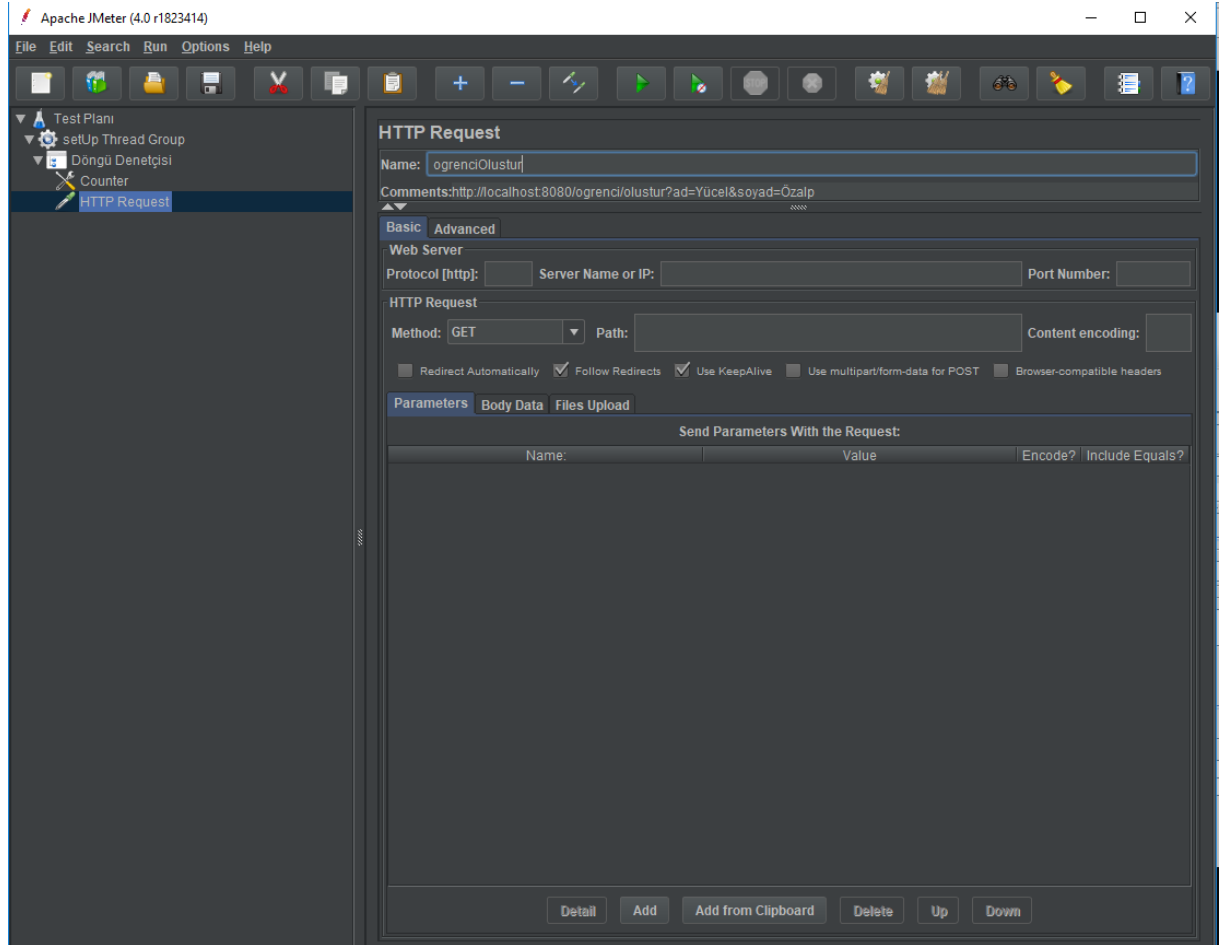
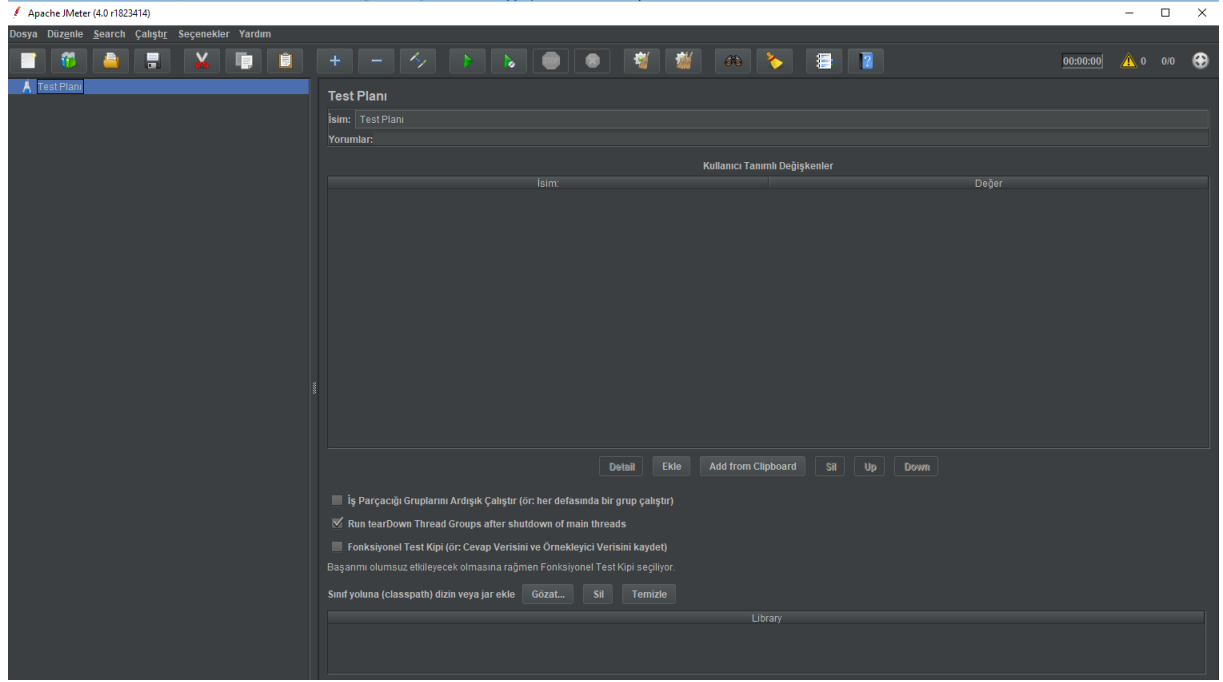
Commit 8b3b791  Compare 9de82c4..8b3b791  Branch master  Morpheus Casper authored  GitHub committed

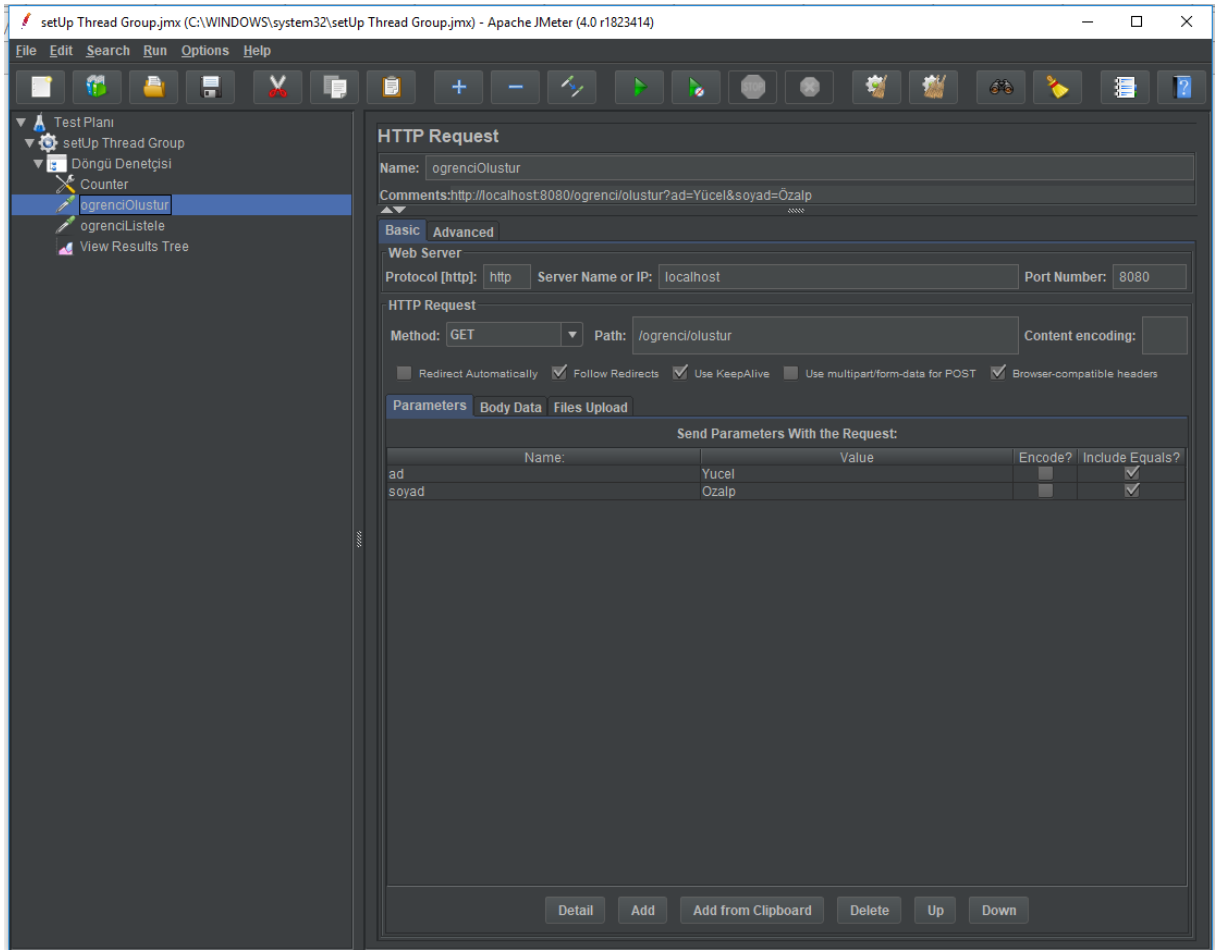
Waiting to start

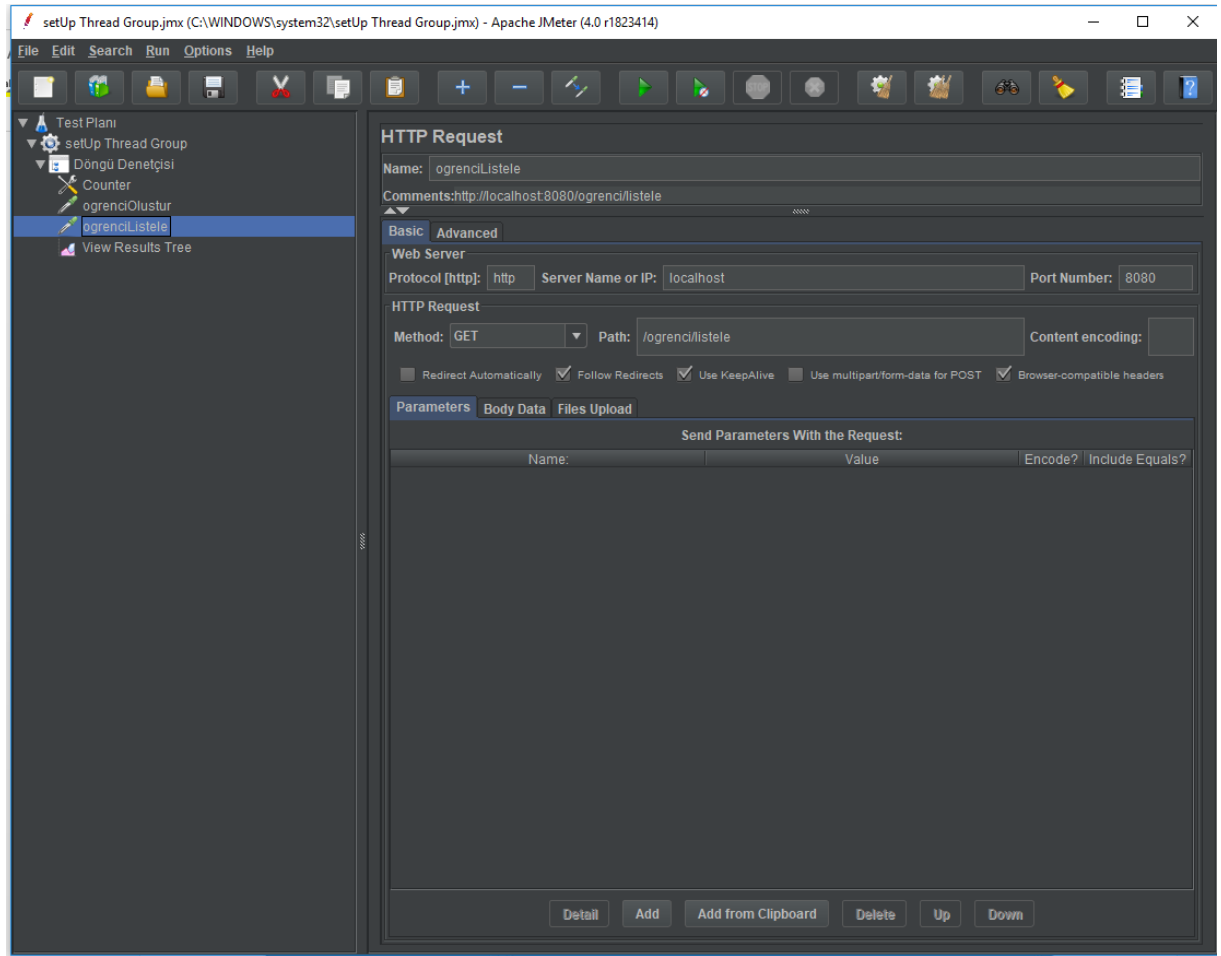
Job log View config

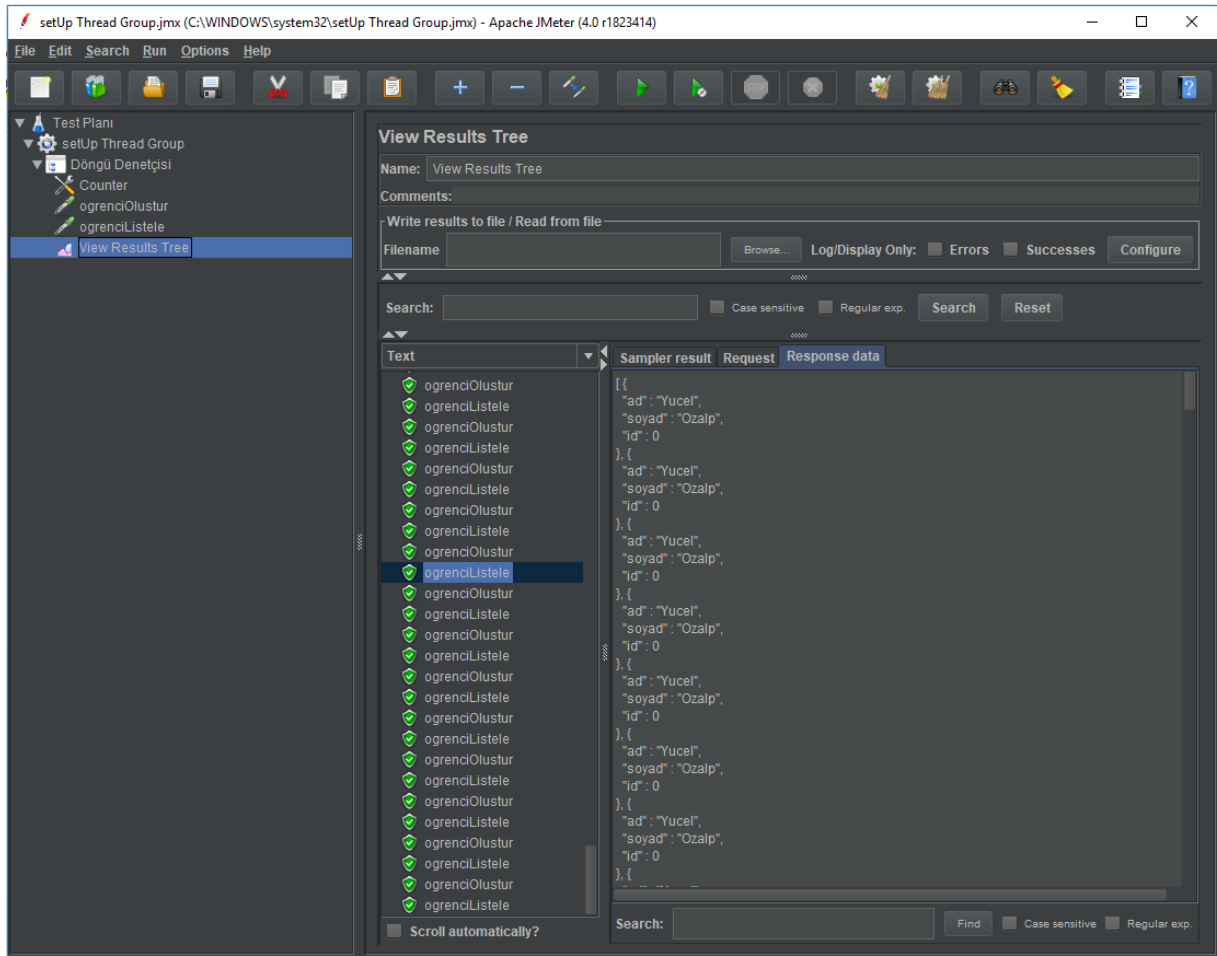
Hang tight, the log cannot be shown until the build has started.

JMeter









Github

- Github hesabımıza giriş yapıp bir adet Repositorie oluşturuyoruz
- Eclipse'ten Window-> Show view-> Other ' ' e basıyoruz.
- Git Repositorie ve Git Staging 'i akti ediyoruz.
- Commit etmek istediğimiz projenin üstüne gelip sağ tıklıyoruz
- Team-> Share Project kısmından karşımıza çıkan Repository'i seçiyoruz.
- Bütün dosyalar Staging kısmına gelmiş oluyo, Seç sürükle işlemi ile hepsini Staged Changes'e atıyoruz.
- Bir Commit Message yazmamız gerekiyor
- Bu işlemleri yaptıktan sonra Commit and Push... diyoruz.
- Eclipse sizden Github hesabına giriş yapmanızı istiyor Github'a giriş yaptıktan sonra commit işlemi başlamış oluyor.