CS5551 – Advanced Software Engineering

Dr. Yugyung Lee

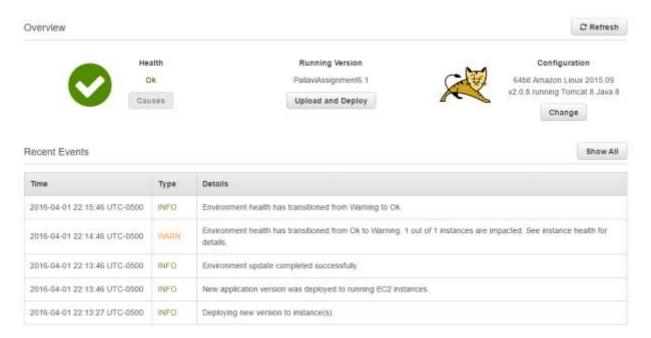
Assignment# 10

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Task: Create Amazon Elastic Bean Stalk instance and deploy the Java application.

Steps:

- 1. Amazon AWS Elastic Bean Stalk account has been created.
- 2. A Micro Instance with Tomcat 8 Java 8 has been launched.
- 3. A **WAR** file of the Java Application is exported and is deployed into the instance. The URL of the instance is: http://restlab10.amaxdsuktr.us-west-2.elasticbeanstalk.com/
- 4. The existing mobile application has been modified and all the \$http calls are being served by the Amazon instance.





Computation API Services

Service	End point	Parameters
Simple interest	http://restlab10.amaxdsuktr.us-west-2.elasticbeanstalk.com/labassignment/calculate/sl/p/t/r	p. t. r
Request URI: http://re	stlab10.amaxdsuktr.us-west-2.elasticbeanstalk.com/labassignment/calculate/s1/3500/12/4	
JSON Response ("SimpleInterest") IN	100 }	
Compound Interest	http://restlab10.amax/dsuktr.us-west-2.elasticbeanstalk.com/labassignment/calculate/cl/p/r/n/t	p. r. n. t
Request URI: http://re	stlab10.amandsuktr.us west-2.elasticbeanstalk.com/lahassignment/calculute/ci/3000/4/2/12	
JSON Response ("CompoundInterest":	1,223372036854776E18)	
Kelvin to Fahrenheit	http://restlab10.amaxdsuktr.us-west-2.elasticbeanstalk.com/labassignment/metrics/kelvintoF/kelvin	kelvin
Request URI: http://ew	stlabl0.amaxdsuktr.us-west-2.elasticbeanstalk.com/labassignment/metrics/kelvintn6/300	
JSCN Response ("Fahrenheit":50)		
Kelvin to Celcius	http://restlab10.amaxdsuktr.us-west-2.elasticbeanstalk.com/labassignment/metrics/kelvintoC/kelvin	kelvin
Request URI: http://re	stlable.amandsuktr.us-west-2.elasticheanstalk.com/labansignment/metrics/kelvintoC/320	
JSCN Response ("Celcius":47)		

Service	URL
Simple Interest	<pre>http://restlab10.amaxdsuktr.us-west-</pre>
	2.elasticbeanstalk.com/labassignment/calculate/si/3500/12/4
Compound Interest	<pre>http://restlab10.amaxdsuktr.us-west-</pre>
·	2.elasticbeanstalk.com/labassignment/calculate/ci/3000/4/2/12
Kelvin to Fahrenheit	<pre>http://restlab10.amaxdsuktr.us-west-</pre>
	2.elasticbeanstalk.com/labassignment/metrics/kelvintoF/300
Kelvin to Celsius	<pre>http://restlab10.amaxdsuktr.us-west-</pre>
	2.elasticbeanstalk.com/labassignment/metrics/kelvintoC/320

App demo

