

1102 Assessment - 2

Duration: 2 hours

Problem statement:

Develop, Test and Deploy a micro-service which finds the total score of winning team in a cricket match using match unique id and round rotates the score. The service should be accessible via web browser on internet and end user should be able to view results by changing match's unique ID. Output of this service should be presented in web browser using any one of Javascript framework, HTML, JSON or plain text. And the service should be ready (in Git repository) to be released to production or live environment. In output, display following:

Name of both teams

For the winning team, show (winner) along with team name Round rotated score of winning team

Example:

Using **Match-UniqueID**: 1136617, **service**: <http://cricapi.com/api/cricketScore> and **apikey**=WmPJrX2s3KMyZVPFwlm1vxXLXKw1 The output should look like:

Team-1: Sunrisers Hyderabad

Team-2: Chennai Super Kings (winner)

Winning team's score: 140/8

Round rotation: 8140/

Use following for completion:

1. On your machine:
 1. Eclipse IDE
 2. Java 1.8
 3. Maven
 4. Putty
 5. WinSCP client for file transfer
 6. ZA Proxy
 7. Selenium
 8. JMeter
 9. Internet access for search and research. In case you don't want to use any of the above listed tool, you can download any relevant tool or utility to complete the assessment.
2. API to fetch cricket data: <http://cricapi.com/api/cricketScore> Refer @ [here](#) for the details about this API
3. Github repository
 - a. Go to : <https://github.com/>
 - b. Sign-in using Username/password: PSEH-5/pseh-5@123
 - c. Create a repository for your code
 - d. Check-in the code to complete the assessment
4. Jenkins is available to build and release the service at:
 - a. *URL*: <http://ec2-18-216-246-227.us-east-2.compute.amazonaws.com/jenkins> b. *Username/password*: user/rcd3TtOTI52f
 - c. *Public IP*: 18.216.246.227
 - d. *SSH/SCP username*: bitnami
 - e. *Keyfile (for SSH/SCP access)*: "jenkins.pem" on your machine
 - f. *OS*: Ubuntu Linux
5. VM to host the service is available at:
 - a. *URL*: <http://ec2-13-58-144-95.us-east-2.compute.amazonaws.com/> b. *Public IP*: 13.58.144.95
 - c. *SSH/SCP username*: ubuntu
 - d. *Keyfile (for SSH/SCP access)*: "jenkins.pem" on your machine
 - e. *OS*: Ubuntu Linux

f. Port: 8080 (only this port is open to access the service over internet)