

Smarter Balanced RFP #11/Monitoring and Alerting

Monitoring and Alerting Metric

Script #: 3.0 POST /metric

Scenario: verb POST, HOST value <http://localhost:8080/rest>

Path Value: /rest/metric

Purpose: POST metric in Monitoring and Alerting

- The POST request is asynchronous and no response is returned. If an error occurs before the asynchronous request is sent, the error returns to the caller.

Version Control

Version #	Date	Author	Description
1.0	03/01/2013	Ryan Marinello	Initial Draft
1.1	April, 2013	Ryan Marinello	Updates, Review

Test Scripts

The following scripts cover this scenario:

- 3.0 POST /rest/metric Content-Type: application/json and Encoded Payload contents {"alternateKey": {"component": "test", "node": "node1", "server": "SB11-TOMCAT-1"}, "insertTimestamp": "2013-04-23T11:45:08.353-05:00", "message": "FORSQA", "metricName": "SQA", "metricType": "WARN", "metricValue": "1", "severity": "ERROR"}

Test Requirements

This test scenario covers the following high-level test requirements (see scripts below for specific requirements covered by each test script):

- RADMA.1.3
- RADMA.3
- RADMA.3.1
- PRMA.1
- PRMA.1.1
- NFRMA3.
- NFRMA.7
- RADMA.1.2
- RADMA.1
- RADMA.1.2
- RADMA.1.3
- RADMA.5

Smarter Balanced RFP #11/Monitoring and Alerting

Monitoring and Alerting Metric

- RADMA.5.1
- RADMA.6

User Groups

- Technical Users

Smarter Balanced RFP #11/Monitoring and Alerting

Monitoring and Alerting Metric

Script Description

This script tests the URI /metric via POST

The status result is 201 Created and the JSON response is correctly constructed with required metadata.

Setup

- Monitoring and Alerting is operational and MongoDB is connected
- QA staff must have Rest Client available to perform test. It is also possible to see test results in the custom MnA UI.
- QA staff has either a Local or Cloud environment deployed for testing to interact with UI.

Teardown

- None

Script Steps

Step #	Test Action	Expected Results	Pass/ Fail
1	Access the Rest Client verb POST	Rest Client viewed in Chrome Browser	
2	Enter HOST value	http://localhost:8080/rest	
3	Enter PATH value	/rest/metric	
4	Enums	metricType enums: alert,error,warn,debug,info,	
5	Encode Payload parameters	{"alternateKey": {"component": "test", "node": "node1", "server": "SB11-TOMCAT-1"}, "insertTimestamp": "2013-04-23T11:45:08.353-05:00", "message": "FORSQA", "metricName": "SQA", "metricType": "WARN", "metricValue": "1", "severity": "ERROR"}	
6	Set Content-Type:	application/json	
7	Click Send	201 Status Created, Request Headers and Response return, Metadata matches Payload and contains URL and ID	
8	Search UI and Search DB collection	Searchable data returns stored metadata available in DB. API endpoint functions and UI has matching data	
9	DB Time in ISODate format	YYYY-MM-DDTHH:MM:SS.xxx	
10	JMX mbeans	managedbeans created Metric in Hyperic	

Smarter Balanced RFP #11/Monitoring and Alerting

Monitoring and Alerting Metric

11	Requirements	RADMA.1.3, RADMA.3,RADMA.3.1, PRMA.1, PRMA.1.1, NFRMA3.,NFRMA.7,RADMA.1.2RADMA.1, RADMA.1.2, RADMA.1.3, RADMA.5, RADMA.5.1, RADMA.6	
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Test Execution

Date	Tester	Test ID	Test Phase
3/1/2013	RM	Script3.0	1
4/1/2013	RM	Script3.0 status: pass	1