Script #: 2.0 POST /alert

Scenario: verb POST, HOST value http://localhost:8080/rest
Path Value: /rest/alert

Purpose: POST alert 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:

- 2.0 POST /rest/alert Content-Type: application/json and Encoded Payload contents {"alternateKey": {"component": "test", "node": "node1", "server": "server"}, "insertTimestamp": "2013-04-23T11:45:08.353-05:00", "message": "message", "metricName": "name", "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
- RADMA.5.1
- RADMA.6

User Groups

- Technical Users

Script Description

This script tests the URI /alert 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	Chrome Advanced REST client returns	
2	Enter HOST value	http://{localhost:8080}/rest	
3	Enter PATH value	/rest/alert	
4	alertType Enums	TIB_IMPORT, TIB_EXPORT	
5	Encode Payload parameters	{ "alternateKey" : { "component" : "comp1", "node": "node1", "server": "cloud1-test.domain.com" } "insertTimestamp": "yyyy-mm-ddThh:mm:ss", "message": "test", "alertType": "TIB_IMPORT", "severity": "WARN"}	
6	Severity ENUMs	[ERROR,TRACE,WARN,DEBUG,INFO,FATAL]	
7	Set Content-Type	application/json	
2	Click Send		
8	Status	201 Status Created, Request Headers and Response return, Metadata matches Payload	
9	Search UI and Search DB collection	Searchable data returns stored metadata available in DB. API endpoint functions and UI has matching data	
10	JMX mbeans	managed bean for Alert in Hyperic HQ	
11	DB Time in ISODate format	YYYY-MM-DDTHH:MM:SS	

12	Requirements	RFP.88.1.1, PRMA.1, PRMA.1.1, RADMA.2, RADMA.2.1, RADM.4, RADMA.4.1, RFP.120, RFP.120.1, NFRMA.6	

Test Execution

Date	Tester	Test ID	Test Phase
3/1/2013	RM	Script2.0	1
		Status: Pass	