

# Smarter Balanced RFP #11/Monitoring and Alerting

Monitoring and Alerting Hyperic

**Script #: 19.0 Hyperic**

**Scenario: Hyperic UI Dashboard, Resources etc..**

**Path Value: http://localhost:8080-hyperic.com**

## 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 information cover this scenario:

19.0 Hyperic HQ Monitoring capabilities for M&A component

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

- PRMA.1
- RADMA.1.1
- RADMA.1.2

## User Groups

Technical Users

## Script Description

This script covers the Hyperic console UI which consists of Dashboard, Resources, Metrics

E.g.. POST data for alerts, metrics, registrations, metricInfo, are pre-requisites.

### Setup

Monitoring and Alerting is operational and MongoDB is connected. Hyperic is functional, JMX webapp is functional.

QA staff must have access to Hyperic. QA staff has either a Local or Cloud environment deployed for testing to interact with UI.

### Teardown

- None

### Script Steps

## Smarter Balanced RFP #11/Monitoring and Alerting

### Monitoring and Alerting Hyperic

Test Action	Hyperic Console	Expected Results
Pre requisites: Scripts2.0,3.0,4.0,5.0.,6.0.,7.0	Platforms, Servers, Services, Agents, Metrics, Notifications	http://localhost:8080-hyperic
Hyperic metric	Hyperic Metric Loader	periodically scheduled function to find pending metrics that need to be loaded to cache and loads them
Hyperic Metric	Hyperic Metric Refresher	periodically scheduled spring xml config, function checks pending metric refresh rate and updates metrics
Hyperic Alert	Hyperic - alert notices	get email addres created in hyperic (true,false)
Hyperic alert	Hyperic - Health	Overall health of servers - Green/Red charting in UI as well as overivew per platform,server,service
Hyperic Alert creator	Hyperic Alert creator	Hyperic - alerts
Hyperic Auto Approver	Hyperic - auto-discovery	approves resources and displays them in Hyperic
cache	Hyperic Resource cache	resource id's for levels cached, looks for required properties of server, component, node if not found stores to collection for later
	Hyperic - JSP Monitor Hyperic - Servlet Monitor Hyperic - Web Module Stats	register component and metric info then autocreate metricInfo from metric
Hyperic Service	Platform Services Health Persisting parameters	Hyperic UI color coded Green=active Red=decom server, node, component, metricName, refreshRate
JMX Creator	Deployed Servers Health n/a	Mbeans in Jconsole
LastCreated MetricRepo	LastCreated MetricRepo	
LastCreatedMetricRepoImpl	LastCreatedMetricRepoImpl	
	Requirements	PRMA.1 RADMA.1.1 RADMA.1.2

### Test Execution

Date	Tester	Test ID
March/April 2013	RM	Script19.0
	Status: pass	

# Smarter Balanced RFP #11/Monitoring and Alerting

## Monitoring and Alerting Hyperic

### DASHBOARD

#### Auto-Discovery

*Resource Name 1*

FQDN

*Resource Name 2*

FQDN

### RESOURCES

#### Services

Hyperic - JSP Monitor

Hyperic - Metrics

Hyperic - Servlet Monitor

Hyperic - Web Module Stats

Global Request processor

Thread Pools

### RESOURCES

#### Platform Server Health

CPU

File Server Mount

Network Server Interface

sshd Process

#### Deployed Servers Health

Apache Tomcat

HQ Agent 5.0.0