Script #: 20.0 Log4J

Scenario: Log4J integration with M&A

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 covers this scenario:

> 20.0 Log4J integrated 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):

- RFP.119.4
- RFP.118
- RFP.118.1
- RFP.119.4
- RFP.119.5
- RADMA.2.2
- RADMA.2

User Groups

> Technical Users

Script Description

This script covers the Log4J Appender Most of those param values will probably be dynamically determined, source parameter should be in JMX identifer style which is illustrated in the REST documentation. The baseUrl parameter points to the currently deployed REST interface in a cloud. Refer to design, installation documentation. Test case is for proof of Severity Enums.

Setup

> Monitoring and Alerting is operational and MongoDB is connected. Hyperic is functional, JMX webapp is functional and Log4j .xml configured. Refer to installation/configuration documentation.

> 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

Step #	Test Action	Expected Results
1	Log4J appender	output log statements to a variety of output targets to locate a program problem
2	Configuration File behavior defined 6 Levels pre-requisites: Scripts2.0,3.0,4.0,5.0,6.0,7.0	values come from server or application not from .properties files. TRACE, DEBUG, INFO, WARN, ERROR, FATAL data posted and exists in UI and DB
3	POST via REST client (see script Script 4.0) example	Encoded Payload returns 201 OK and appears in UI
4	UI, HTTP, API Search Log4j appender	Severity element displays all levels and returns data based on specific level search aggreates log data into M&A
5	UI data Central store written	UI returns logs based on date,time,component,severity, server, reference#, message, stackTrace
6	DB collection stored data	Severity, server, node, component, message, insertTimestamp
7	Requirements	RFP.119, RFP.119.1, RFP.119.2, RFP.119.3, RFP.119.4, RADMA.2, RADMA.2.1, RADMA.2.2 RFP.118, RFP.118.1, RFP.119.4, RFP.119.5

Test Execution

Date	Tester	Test ID	Test Phase
March,April 2013	RM	Script20.0	1