Automated Performance Testing of SAP Process Orchestration

Git REPOSITORY TEST DOCUMENT

INT603

Exercises / Solutions  
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# **Introduction**

This document is the master test document for TechEd CodeJam Session INT603. For automated tests the instructions are also maintained in the repository. This ensures all tests are run using the correct documents, tools, test plans, and reporting templates.

# Automated Testing

* Run the test as described in this document.
* If you find any problems or discrepancies please make your corrections and resubmit so these can be reviewed and (as needed) incorporated into the master branch

# Testing as a Service

It’s possible to automate even the infrastructure but in our case we only have an hour so the backend test systems are already provisioned and available. Based on your local laptop image name please pick your backend from the list below and use those configuration details.

Access Details for Backend

On the backend system you have several users available:

root: root user is accessible using certificate login only

The root user certificate is available in the repository

You can login to the backend (not necessary but possible) using Putty and your root certificate.

| **Explanation** | **Screenshot** |
| --- | --- |
| 1. Unzip Jmeter 3.0 |  |
| 1. Open Jmeter using jmeter.bat file |  |
| 1. Check you backend system is running and available:   http://<yourbackendIP> |  |
| 1. Run the initial connection test to ensure you are connected to your backend. |  |
| 1. Open the test plan |  |
| 1. Modify configuration for your test system |  |
| 1. Start backend performance monitor agent |  |
| 1. Start backend detailed performance monitoring (nmon) |  |
| 1. Run the warm-up test |  |
| 1. Check the results – there should be no errors |  |
| 1. Open NWA and check the SOA monitoring on backend |  |
| 1. Open PO Performance Monitors (in NWA) and check the detailed performance views |  |
|  |  |
|  |  |

Appendix

We can also look at SYSTEMS as part of the repository and as we develop the system we can update master and then test the new feature

SYSTEMS can be standardized and then created dynamically in AWS. This includes the test client itself.

Take a vanilla system (Windows, Ubuntu, Linux) and make base test client

Test a standardized image of the application system (in our case it is a master image of a configured NW 7.5 Process Orchestration system with B2B and deployed content/scenario)

The standardized image can also be based on AWS and built dynamically using tools such as Cloud Foundry or Vagrant/Chef and EC2 API

Provide examples

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