

High Availability – Release Automation 6.3

Sachin Srivastava

February 2017

Agenda

Introduction

Install and Configure RA Primary & StandBy Server

Test High Availability Configuration

Test Failover

Demo

Q & A

Introduction

- What is High Availability?
 - Highly available systems build redundancy into the application and the architecture layers to mitigate against disasters. Since computing systems are made from commodity hardware and components which are prone to failure, having redundancy at every layer is key.
- Why High Availability is important?
 - It Reduces risk of data losses.
 - It Reduces impact to customer during service disruption.
 - Remove the dependency of “Single Point of Failure” system.

Install and Configure RA Primary & StandBy Server

- Install the Primary RA Management Server as a normal installation providing details of the Database and Artifact repository server.
- Install the StandBy RA Management Server with Skipping the database and use the option of Local Repository server.
- Copy 4 files from Primary RA Management Server to the StandBy RA Management Server. Add the content(Or Replace them) of the files to the StandBy Server.
 - Nolio-repo.properties – Contains information of Artifact Repository Server
 - Distributed.properties – Contains details of the database used.
 - Database.properties – Contains details of the type of database used.
 - En-us.json – Contains widgets information

Test High Availability Configuration

- Once Standby RA Management Server is configured, start the service.
- Login to JMX Console and verify the Master NAC and Secondary NAC.

Test Failover

- Login to RA Release Operation Center using the StandBy Server.
- Test a sample Deployment.
- Reload the Primary NAC Server by JMX Console or Login using the Primary RA Release Operation Center.

Demo



Q & A