Readme File for IBM® Platform Symphony RFE 106501

Readme file for: IBM Platform Symphony
Product/Component Release: 7.1 Fix Pack 1
Fix ID: sym-7.1-build469684-jpmc
Publication date: Nov 14, 2017

This update enhances the EGO audit log in IBM Platform Symphony 7.1 Fix Pack 1 to show resource plan details in standard XML format for better readability. It also records details of resource plan updates to clearly show the changes when the resource plan in the cluster is updated.

1. Scope

Before you install this enhancement in your cluster, note the following requirements:

Applicability

Operating system	RHEL 6 or 7, 64-bit
Product version	IBM Platform Symphony 7.1 Fix Pack 1

2. Installation

Follow the instructions in this section to download and install this enhancement in your cluster.

Prerequisites

IBM Platform Symphony 7.1 Fix Pack 1 must be installed on hosts in your cluster.

Package

Name	Description
`sym7.1_lnx26-lib23-x64_build469684.tar.gz`	Package for management hosts.

Installation and configuration

a. Log on to the master host as the cluster administrator, stop applications, and shut down the cluster:

```
$ soamcontrol app disable all
$ egosh service stop all
$ egosh ego shutdown all
```

b. On each management host, back up the following file:

```
$EGO_TOP/3.1/linux2.6-glibc2.3-x86_64/etc/vemkd
```

c. On each management host, copy the package for your product version to the `$EGO_TOP` directory and decompress the package as follows:

```
$ tar zxof sym7.1_lnx26-lib23-x64_build469684.tar.gz -C $EGO_TOP
```

d. Enable EGO audit logging by configuring the following parameters in the `$EGO_CONFDIR/ego.conf` file:

```
EGO_AUDIT_LOG=Y
EGO_AUDIT_LOGDIR=$EGO_TOP/audits
EGO_AUDIT_LOGMASK=LOG_INFO
```

e. Start the cluster:

```
$ egosh ego start all
```

```
$ soamcontrol app enable <appName>
```

f. Run the `vemkd -V` command to verify the installation. For example:

```
[root@ib15b13 etc]$ vemkd -V
Platform EGO 3.1.0.0 build 469684, Nov 01 2017
Copyright International Business Machines Corp, 1992-2014.
US Government Users Restricted Rights - Use, duplication or disclosure
restricted by GSA ADP Schedule Contract with IBM Corp.

binary type: linux2.6-glibc2.3-x86_64
notes:
fixes:
```

3. Usage

a. Ensure EGO audit logging is configured as follows in the `$EGO_CONFDIR/ego.conf` file:

```
EGO_AUDIT_LOG=Y
```

```
EGO_AUDIT_LOGDIR=$EGO_TOP/audits
```

```
EGO_AUDIT_LOGMASK=LOG_INFO
```

b. Log on to the Platform Management Console (PMC) and navigate to **Resources > Resource Planning > Resource Plan.**

c. Update the resource plan.

d. Check the audit log at `$EGO_TOP/audits`. The resource plan XML in `ego.audit.log` should show in standard XML format, along with details of resource plan changes.

For example, assuming resource plan ownership was updated from 0 to 2, the resource plan XML shows as follows:

```
<?xml version="1.0" encoding="UTF-8"?>
<DistributionPolicyConfiguration>
  <Version>3.1</Version>
  <DistributionTree DistributionTreeName="testgroup">
  <ResourceGroupName>testgroup</ResourceGroupName>
  <PolicyParameter          xmlns="http://www.platform.com/ego/2005/05/schema"
ParameterName="DistributeBy"/>
  <PolicyParameter ParameterName="EnableHybrid">Y</PolicyParameter>
  <Consumer                 xmlns="http://www.platform.com/ego/2005/05/schema"
ConsumerName="SymConsumer" RevisionVersion="1">
    <DistributionProperties>
      <ShareReserved>0</ShareReserved>
        <StaticShareReserved>0</StaticShareReserved>
      </DistributionProperties>
    <DistributionPolicies xmlns="" startTime="00:00" endTime="00:00">
      <OwnershipPolicy>
        <Ownership>2</Ownership>
      </OwnershipPolicy>
      <Priority>0</Priority>
      <BorrowingPolicy/>
      <SharingPolicy>
        <Ownership>0</Ownership>
      </SharingPolicy>
    </DistributionPolicies>
  </Consumer>
 </DistributionTree>
</DistributionPolicyConfiguration>
2017-09-05 09:59:19.000 CST INFO CONFIG Admin CPUPLAN /SymConsumer modified.
Resource plan details updated by user Admin is: Resource Group: "testgroup",
```

```
Consumer: "/SymConsumer", Ownership changed from 0 to 2.
```

4. Uninstallation

Follow these instructions to uninstall this enhancement in your cluster, if required:

a. Log on to the master host as the cluster administrator, stop applications, and shut down the cluster:

```
$ soamcontrol app disable all
$ egosh service stop all
$ egosh ego shutdown all
```

b. On each management host, restore your backup for the following file:

```
$EGO_TOP/3.1/linux2.6-glibc2.3-x86_64/etc/vemkd
```

c. Start the cluster and enable your applications:

```
$ egosh ego start all
$ soamcontrol app enable <appName>
```

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