

# Readme for IBM® Platform Symphony RFE 111807

**Readme file for:** IBM Platform Symphony

**Product/Component Release:** 5.1

**Fix ID:** sym-5.1-build473097-jpmc

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This interim fix upgrades the following components in IBM Platform Symphony 5.1:

- Upgrades the Apache Tomcat version to 7.0.82.
- Upgrades the IBM Java Runtime Environment (JRE) version to 7.10.10.

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## Scope

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

### Applicability

Operating system	Linux x86_64 management hosts
Product version	IBM Platform Symphony 5.1

## Installation and configuration

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

### 1. Prerequisites

IBM Platform Symphony 5.1 must be installed on Linux x86\_64 hosts in your cluster.

### 2. Packages

This interim fix includes the following installation packages:

Package to download	Description
<code>sym-5.1_x86_64_build473097.tar.gz</code>	Package for Management hosts.

### 3. Installation

Follow these steps to install this interim fix on hosts in your cluster:

#### Before installation

- Log on to the master host as the cluster administrator:

```
$ egosh user logon -u Admin -x Admin
```

- Stop services use following command:

```
$ egosh service stop plc purger derbydb WEBGUI
```

- For recovery purposes, log on to each management host in the cluster and back up the following files (which will be removed by this interim fix) to another directory:

```
mkdir -p /tmp/guibackup/
```

```
mkdir -p /tmp/jrebackup/
```

```
mkdir -p /tmp/perfbbackup/
```

```
mv $EGO_TOP/jre/1.2.5/linux-x86_64/ /tmp/jrebackup/
```

```

mv $EGO_TOP/gui/1.2.5/tomcat/ /tmp/guibackup/
cp $EGO_TOP/gui/conf/catalina.properties
/tmp/guibackup/catalina.properties.local
cp $EGO_TOP/gui/conf/catalina.policy
/tmp/guibackup/catalina.properties.policy.local
cp $EGO_TOP/gui/conf/server.xml /tmp/guibackup/server.xml.local
cp $EGO_TOP/gui/conf/Catalina/localhost/host-manager.xml
/tmp/guibackup/host-manager.xml.local
cp $EGO_TOP/gui/conf/Catalina/localhost/manager.xml
/tmp/guibackup/manager.xml.local
cp $EGO_CONFDIR/../../gui/conf/catalina.properties
/tmp/guibackup/catalina.properties.shared
cp $EGO_CONFDIR/../../gui/conf/catalina.policy
/tmp/guibackup/catalina.policy.shared
cp $EGO_CONFDIR/../../gui/conf/server.xml
/tmp/guibackup/server.xml.shared
cp $EGO_TOP/gui/conf/Catalina/localhost/host-manager.xml
/tmp/guibackup/host-manager.xml.shared
cp $EGO_TOP/gui/conf/Catalina/localhost/manager.xml
/tmp/guibackup/manager.xml.shared
cp $EGO_TOP/gui/ego/1.2.5/lib/linux2.6-glibc2.3-
x86_64/libVEMApiCommon.so /tmp/guibackup/
cp $PERF_TOP/1.2.5/etc/purger.sh /tmp/perfbbackup/
mv $PERF_TOP/1.2.5/lib/perf_commons.jar /tmp/perfbbackup/
mv $PERF_TOP/1.2.5/lib/perf_dataloader.jar /tmp/perfbbackup/
mv $PERF_TOP/ego/1.2.5/linux-x86_64/lib/libegoconsumerres.so
/tmp/perfbbackup/
cp $EGO_TOP/gui/perf/1.2.5/perfgui/WEB-INF/web.xml
$EGO_TOP/gui/perf/1.2.5/perfgui/WEB-INF/web.xml.ORG
cp $EGO_TOP/gui/soam/5.1/soamgui/WEB-INF/web.xml
$EGO_TOP/gui/soam/5.1/soamgui/WEB-INF/web.xml.ORG

```

## Installation

- a. Log on to each management host in your cluster, download the `sym-5.1_x86_64_build473097.tar.gz` package, and decompress the package:

```
> tar zxfo sym-5.1_x86_64_build473097.tar.gz -C $EGO_TOP
```

- a) If you ran the “`egoconfig mghost shared_dir`” command during installation to set up a shared location for configuration files, ensure that the configuration file is changed in the shared directory:

```

> cp $EGO_TOP/gui/conf/catalina.policy
$EGO_CONFDIR/../../gui/conf/catalina.policy
> cp $EGO_TOP/gui/conf/catalina.properties
$EGO_CONFDIR/../../gui/conf/catalina.properties

```

```

> cp $EGO_TOP/gui/conf/server.xml
$EGO_CONFDIR/../../../../gui/conf/server.xml

> cp $EGO_TOP/gui/conf/Catalina/localhost/host-manager.xml
$EGO_CONFDIR/../../../../gui/conf/Catalina/localhost/host-manager.xml

> cp $EGO_TOP/gui/conf/Catalina/localhost/manager.xml
$EGO_CONFDIR/../../../../gui/conf/Catalina/localhost/manager.xml

```

b) If you modified the `$EGO_CONFDIR/../../../../gui/conf/server.xml` configuration file for details such as the GUI service port, manually redo those changes

b. Delete all subdirectories and files in the GUI work directory:

```
> rm -rf $EGO_TOP/gui/work/*
```

c. Launch your browser and clear the browser cache.

d. Start services use following command:

```
> egosh service start plc purger derbydb WEBGUI
```

## Verification

a. In the `$EGO_TOP/gui/logs/catalina.out` file, check whether the GUI start version indicates version 7.0.82:

```
INFO: Server version:          Apache Tomcat/7.0.82
```

b. Run the `java -version` command to verify the installation. For example:

```
> ./jre/1.2.5/linux-x86_64/bin/java -version
```

```
java version "1.7.0"
```

```
Java(TM) SE Runtime Environment (build pxa6470sr10fp10-
20170726_05(SR10 FP10))
```

```
IBM J9 VM (build 2.6, JRE 1.7.0 Linux amd64-64 Compressed References
20170718_357001 (JIT enabled, AOT enabled))
```

```
J9VM - R26_Java726_SR10_20170718_1208_B357001
```

```
JIT - r11_20170718_357001
```

```
GC - R26_Java726_SR10_20170718_1208_B357001_CMPRSS
```

```
J9CL - 20170718_357001)
```

```
JCL - 20170725_01 based on Oracle jdk7u151-b14
```

## 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 services use following command:

```
> egosh service stop plc purger WEBGUI derbydb
```

b. On each management host, restore the following folders and files from your backup:

```
$EGO_TOP/jre/1.2.5/linux-x86_64/  
$EGO_TOP/gui/1.2.5/tomcat/  
$EGO_CONFDIR/../../gui/conf/catalina.properties  
$EGO_CONFDIR/../../gui/conf/catalina.policy  
$EGO_CONFDIR/../../gui/conf/server.xml  
$EGO_TOP/gui/conf/Catalina/localhost/host-manager.xml  
$EGO_TOP/gui/conf/Catalina/localhost/manager.xml  
$EGO_TOP/gui/ego/1.2.5/lib/linux2.6-glibc2.3-x86_64/libVEMApiCommon.so  
$PERF_TOP/1.2.5/etc/purger.sh  
$PERF_TOP/1.2.5/lib/perf_commons.jar  
$PERF_TOP/1.2.5/lib/perf_dataloader.jar  
$PERF_TOP/ego/1.2.5/linux-x86_64/lib/libegoconsumerres.so  
$EGO_TOP/gui/perf/1.2.5/perfgui/WEB-INF/web.xml  
$EGO_TOP/gui/soam/5.1/soamgui/WEB-INF/web.xml
```

- c. Delete all subdirectories and files in the GUI work directory:

```
> rm -rf $EGO_TOP/gui/work/*
```

- d. Launch your browser and clear the browser cache.

- e. Start the services use following command:

```
> egosh service start plc purger WEBGUI derbydb
```

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