

# Readme File for IBM<sup>®</sup> Platform Symphony RFE 104859

**Readme file for:** IBM Platform Symphony

**Product/Component Release:** 7.1.1

**Fix ID:** sym-7.1.1-build457694-ms

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This update enhances the GSS-Kerberos security plug-in to run client applications using the credentials saved with the “kinit”, “soamlogon”, or “egosh user logon” commands in IBM Platform Symphony 7.1.1.

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# 1. Scope

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

Applicability	
Operating systems	<ul style="list-style-type: none"><li>• Management and compute hosts: RHEL 6.7 64-bit</li><li>• Client hosts: RHEL 6.7 64-bit</li></ul>
Product version	IBM Platform Symphony 7.1.1
Kerberos Version	MIT Kerberos, 1.10

# 2. Installation

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

## Prerequisites

- Before applying this fix, IBM Platform Symphony 7.1.1 must be installed.
- Before enabling this configuration, your Kerberos environment must be set up.
- Before applying this fix, interim fix 436930 (sym-7.1.1-build436930-ms) must be applied.

## Packages

File name	Description
pssasetup2015_linux-x86_64_build457694.tar.gz	Package for Linux management and compute hosts.
symclnt2015_linux-x86_64_build457694.tar.gz	Package for Linux client hosts.

## Before installation

1. Log on to the master host as the cluster administrator, disable all applications, and shut down the cluster:

```
$ soamcontrol app disable all
```

```
$ egosh service stop all
```

```
$ egosh ego shutdown all
```

2. On all hosts in the cluster, back up the following configuration file:

```
$EGO_CONFDIR/ego.conf
```

3. On each management and compute host, back up the following file:

```
$EGO_TOP/3.3/linux-x86_64/lib/sec_ego_gsskrb.so
```

4. On each Linux client host, back up the following file:

```
$$SOAM_HOME/lib64/sec_ego_gsskrb.so
```

5. On each management host, clean up the GUI work directory:

```
$ rm -rf $EGO_TOP/gui/work/*
$ rm -rf $EGO_TOP/gui/workarea/*
$ rm -rf $EGO_TOP/kernel/rest/workarea/*
```

6. Launch your web browser and clear the browser cache.

## Installation

1. Log on to the host OS as the cluster administrator.
2. On each management and compute host, download the `pssasetup2015_linux-x86_64_build457694.tar.gz` package and decompress it:

```
$ tar zxfo pssasetup2015_linux-x86_64_build457694.tar.gz -C $EGO_TOP
```
3. Download the `symclnt2015_linux-x86_64_build457694.tar.gz` file to Linux client hosts, and decompress the package:

```
$ tar zxfo symclnt2015_linux-x86_64_build457694.tar.gz -C $SOAM_HOME
```
4. Verify that the permissions and ownership of the files under the `$EGO_TOP` directory are the same as they were before applying the fix. Update any file permissions or ownership as required.

## 3. Configuration and usage

This section describes how to enable Kerberos authentication in your Platform Symphony cluster and run a client application with the credentials saved when you use the “kinit”, “soamlogon”, or “egosh user logon” command. It makes the following assumptions for illustration purposes:

1. Configure the GSS-Kerberos plug-in according to the instructions in the readme for interim fix `sym-7.1.1-build436930-ms`.
2. Start the cluster, start all services, and enable applications:

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

3. From a Linux management/compute host, run a client application (for example, `symping`) as follows:

- a. Log on to the cluster by using the “egosh user logon” command:

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

- b. Run `symping` using the credential saved with the “egosh user logon” command:

```
$ symping -u "" -x ""
```

- c. Log on by using the “soamlogon” command:

```
$ soamlogon -u Admin -x egoadminKDC
```

- d. Run `symping` using the credential saved with the “soamlogon” command:

```
$ symping -u "" -x ""
```

- e. Log on by using the “kinit” command:

```
$ kinit egoadmin
$ Password for egoadmin@EXAMPLE.COM:
```

- f. Run `symping` using the credential saved with the “kinit” command:

```
$ symping -u "" -x ""
```

- g. Run `symping` using the specified username and password:

```
$ symping -u Admin -x egoadminKDC
```

4. From a Linux client host, run client application (for example, `symping`) as follows:

- a. Log on with the “kinit” command:

```
$ kinit egoadmin
```

```
$ Password for egoadmin@EXAMPLE.COM:
```

- b. Run `symping` using the credential saved with the “kinit” command:

```
$ symping -u "" -x ""
```

- c. Run `symping` using the specified username and password:

```
$ symping -u Admin -x egoadminKDC
```

## 4. Uninstallation

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

### Uninstallation on management and compute hosts

1. Log on to the master host as the cluster administrator, disable all applications, and shut down the cluster:

```
$ soamcontrol app disable all
```

```
$ egosh service stop all
```

```
$ egosh ego shutdown all
```

2. On each management and compute host, restore all the files that you backed up during installation.

3. Start the cluster:

```
$ egosh ego start all
```

### Uninstallation on client hosts

On each client host, restore the file that you backed up during installation.

## 5. Copyright and trademark information

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