

# Readme File for IBM® Platform Symphony RFE 108116

**Readme file for:** IBM Platform Symphony  
**Product/Component Release:** 7.1 Fix Pack 1  
**Fix ID:** sym-7.1-build468011-welfg  
**Publication date:** Oct 27, 2017

This enhancement provides subscription support for IBM Platform Symphony multicluster, enabling you to use the subscribe API to subscribe to boundary events state, session state, task status, and task progress for a multicluster connection.

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## 1. Scope

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

Applicability	
Operating systems	Management host: <ul style="list-style-type: none"> <li>RHEL 6.5, 7.x 64-bit</li> </ul> Compute host: <ul style="list-style-type: none"> <li>RHEL 6.5, 7.x 64-bit</li> <li>Windows 2008 R2, Windows 2012 64-bit</li> </ul> Client host: <ul style="list-style-type: none"> <li>RHEL 6.5, 7.x 64-bit and 32-bit</li> <li>Windows 2008 R2, Windows 2012 64-bit and 32-bit</li> </ul>
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.
- Interim fix 453330 ([sym-7.1-build453330-welfg](#)) must be applied.

### Packages

File name	Description
<code>sym7.1_lnx26-lib23-x64_build468011.tar.gz</code>	Package for Linux management and compute hosts.
<code>symclnt7.1_lnx26-lib23-x64_build468011.tar.gz</code>	Package for Linux client hosts.
<code>soam7.1_win-x64_build468011.msp</code>	Package for Windows compute hosts.
<code>symclnt7.1_win-x64_build468011.msp</code>	Package for Windows client hosts
<code>symclnt7.1_win-x64_build468011.zip</code>	Package for Windows client hosts

### Before installation

- 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 Linux management and compute hosts, back up the following files:

```
$SOAM_HOME/7.1/linux2.6-glibc2.3-x86_64/lib64/libsoambase.so
```

3. On Linux client hosts, back up the following files:

```
$SOAM_HOME/lib/libsoambase.so
```

```
$SOAM_HOME/lib64/libsoambase.so
```

4. On Windows client hosts, back up the following files:

```
%SOAM_HOME%\lib\soambase.dll
```

```
%SOAM_HOME%\lib\soambase.pdb
```

```
%SOAM_HOME%\lib64\soambase.dll
```

```
%SOAM_HOME%\lib64\soambase.pdb
```

5. On Windows compute hosts, back up the following files:

```
%SOAM_HOME%\7.1\w2k3_x64-vc7-psdk\lib64\soambase.dll
```

```
%SOAM_HOME%\7.1\w2k3_x64-vc7-psdk\lib64\soambase.pdb
```

## Installation

1. Log on to the host as the cluster administrator.

2. On each management and compute host, download the `sym7.1_lnx26-lib23-x64_build468011.tar.gz` file and decompress the package:

```
$ tar zxfo sym7.1_lnx26-lib23-x64_build468011.tar.gz -C $EGO_TOP
```

3. On each Linux client host, download the `symclnt7.1_lnx26-lib23-x64_build468011.tar.gz` file and decompress the package:

```
$ tar zxfo symclnt7.1_lnx26-lib23-x64_build468011.tar.gz -C $SOAM_HOME
```

4. On each Windows compute host, download the `soam7.1_win-x64_build468011.msp` file and complete one of the following steps:

- o To perform an interactive installation, double-click the `.msp` package.
- o To perform a silent installation, enter the following command:

```
C:\>msiexec /update C:\soam7.1_win-x64_build468011.msp /l*v  
updateSym.log /norestart /quiet REINSTALLMODE=omus
```

5. On each Windows client host, download the `symclnt7.1_win-x64_build468011.msp` file and complete one of the following steps:

- o To perform an interactive installation, double-click the `.msp` package.
- o To perform a silent installation, enter the following command:

```
C:\>msiexec /update C:\symclnt7.1_win-x64_build468011.msp /l*v  
updateSym.log /norestart /quiet REINSTALLMODE=omus
```

## After Installation

1. Log on to the silo cluster and start the cluster.

```
$ egosh ego start all
```

2. Enable the configuration for the enhancement as described in the “Configuration and usage” section.

### 3. Configuration and usage

With this enhancement, you can use the following APIs for a multicluster connection callback; Java, C++ and .Net are supported.

- registerCallback()
- subscribeBoundaryEventState()
- subscribeSessionState()
- subscribeTaskStatus()
- subscribeTaskProgress()

The usage for these APIs on a multicluster connection is similar to Platform Symphony base connection. For more information, see the Knowledge Center. For example, to find the C++ API, click below link, go to **Class Hierarchy > SoamApplicationCallback** and The APIs is there.

[https://www.ibm.com/support/knowledgecenter/SSGSMK\\_7.1.0/sym\\_kc/sym\\_kc\\_developing\\_symphony\\_api\\_reference.html](https://www.ibm.com/support/knowledgecenter/SSGSMK_7.1.0/sym_kc/sym_kc_developing_symphony_api_reference.html)

NOTE: For a multicluster connection, these APIs must be called after the createSession APIs.

### 4. Uninstallation

Follow the instructions in this section to uninstall this enhancement in your cluster.

#### 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 Linux hosts, restore all the files that you backed up during installation.

3. On Windows hosts, complete these steps to uninstall this enhancement:

- To roll back from the Windows Control Panel, go to **Control Panel > Programs and Features > View installed updates**, click Update for Symphony 7.1 (build “468011”) and click **Uninstall**.
- To roll back from the Platform Symphony command line, enter the following command:  

```
C:\>msiexec /uninstall {16635621-C4BC-4F5E-BA6E-5D41BD725749}
/package {555A2738-A103-40AD-84A2-7BFAA2697296} /norestart /quiet
/l*v rollbackSym.log
```

The command syntax is as follows:

```
C:\>msiexec /uninstall <interim_fix_code> /package <product_code>
/norestart /quiet /l*v <rollback_log>
```

where:

- `<interim_fix_code>` is the identifier of the .msp interim fix package; in this case, 16635621-C4BC-4F5E-BA6E-5D41BD725749.
- `<product_code>` is the identifier of the .msi file in the product installation package; in this case, 555A2738-A103-40AD-84A2-7BF5AA2697296.
- `<rollback_log>` is the name of the log file to capture details of the interim fix rollback; in this case, `rollbackSym.log`.

4. Start the cluster:

```
$ egosh ego start all
```

## Uninstallation on client hosts

- On Linux client hosts, restore all the files that you backed up during installation.
- On Windows client hosts, complete these steps:
  - To roll back from the Windows Control Panel, go to **Control Panel > Programs and Features > View installed updates**, click Update for Symphony 7.1 (build "468011") and click **Uninstall**.
  - To roll back from the command line, enter the following command:

```
C:\>msiexec /uninstall {A79E12F5-EBA4-4859-8E22-CFED21441F72}
/package {5FDF6EA5-0B86-4717-9139-8A6740C9C9A5} /norestart /quiet
/l*v rollbackSym.log
```

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