Readme for IBM® Spectrum Symphony RFE 103869

Readme file for: IBM Spectrum Symphony
Product/Component Release: 7.2.0.2
Fix ID: sym-7.2.0.2-build490172-ms
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This enhancement for Spectrum Symphony 7.2.0.2 provides new Java and C++ APIs to set environment variables from a Spectrum Symphony client.

1. Scope

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

Operating system	Client hosts :
	  • RHEL 6.5 64-bit
	  • Windows 2012 R2 64-bit
	
	Developer Edition hosts :
	  • RHEL 6.5 64-bit
	  • Windows 2012 R2 64-bit

Product version	IBM Spectrum Symphony 7.2.0.2

2. Installation

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

Prerequisites

IBM Spectrum Symphony 7.2.0.2 must be installed on hosts in your cluster.

Packages

Download the installation package for your host type:

Name	Description
`symde-7.2.0.2_x86_64_build490172.tar.gz`	Package for Linux Developer Edition hosts.
`symde-7.2.0.2_build490172.msp`	Package for Windows Developer Edition hosts.

Installing on Windows Developer Edition hosts

a. Log on to Windows Developer Edition hosts and back up the files that will be replaced by this enhancement for recovery purposes:

```
%SOAM_HOME%\lib\JavaSoamApi.jar
%SOAM_HOME%\7.2\include\soam.h
%SOAM_HOME%\7.2\src\soam.cpp
```

b. On each Windows Developer Edition host, download the `symde-7.2.0.2_build490172.msp` file and complete one of the following steps:

   o To perform an interactive installation, double-click the `.msp` package and follow the prompts.

   o To perform a silent installation, enter the following command:

```
C:\>msiexec /update C:\symde-7.2.0.2_build490172.msp /l*v
updateSym.log /norestart /quiet REINSTALLMODE=omus
```

Installing on Linux Developer Edition hosts

a. Log on to Linux Developer Edition hosts and back up the files that will be replaced by this enhancement for recovery purposes:

`$SOAM_HOME/7.2/linux-x86_64/lib/JavaSoamApi.jar`

`$SOAM_HOME/7.2/include/soam.h`

`$SOAM_HOME/7.2/src/soam.cpp`

b. On each Linux Developer Edition host, download the `symde-7.2.0.2_x86_64_build490172.tar.gz` package and decompress the package to the `$SOAM_HOME` directory:

`$ tar zxof symde-7.2.0.2_x86_64_build490172.tar.gz -C $SOAM_HOME`

3. Configuration and usage

The Java API for setting the environment variables on Spectrum Symphony clients is in the `com.platform.symphony.soam.SoamFactory` Java class.

API name	Description
void setSymEnv(String key, String value)	Sets Spectrum Symphony environment variables from the Java client side.

The C++ API for setting the environment variables on Spectrum Symphony clients is in the `SoamFactory` C++ class.

API name	Description
void setSymEnv(char* key, char* value)	Sets Spectrum Symphony environment variables from the C++ client side.

Here is an example of calling the new Java API:

```
class AsyncClient
    {
        public static void main(String args[])
      {
            try
            {
                // Initialize the API
                SoamFactory.initialize();
                SoamFactory.setSymEnv("EGO_MASTER_LIST","hostname.test.com");
                SoamFactory.setSymEnv("EGO_KD_PORT","7870");

                String appName = "SampleAppJava";
                ……
            } catch (Exception e){
            ……
            }
          ……
        }

    }
```

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4. Uninstallation

Follow the instructions in this section to roll back this enhancement in your cluster.

Uninstalling on Windows Developer Edition hosts

On Windows Developer Edition hosts, complete one of the following steps to uninstall this enhancement:

a. To roll back from the Windows Control Panel, go to **Control Panel > Programs and Features > View installed updates**, click `Update for Symphony 7.2.0.2 (build "490172")` and click **Uninstall.**

b. To roll back from the Spectrum Symphony command line, enter the following command:

```
C:\>msiexec /uninstall {0A9CEA0B-3FA4-4E99-8A5C-75FD97A915A5} /package
{DCBCD155-A493-405E-A1E0-D20579603860} /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:

o `<interim_fix_code>` is the identifier of the `.msp` interim fix package; in this case, `0A9CEA0B-3FA4-4E99-8A5C-75FD97A915A5`.

o `<product_code>` is the identifier of the `.msi` file in the product installation package; in this case, `DCBCD155-A493-405E-A1E0-D20579603860`.

o `<rollback_log>` is the name of the log file to capture details of the interim fix rollback; in this case, `rollbackSym.log`.

Uninstalling on Linux Developer Edition hosts

On all Linux Developer Edition hosts, restore all the files that you backed up during installation on all hosts.

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