

IBM Platform Symphony RFC 4084 Readme File

About SSM performance log enhancement

This RFC contains an enhancement for SSM logging. SSM will log performance information regularly.

Readme file for: IBM® Platform Symphony

Product/Component Release: 6.1.0.1

Update Name: Fix pack

Fix ID: sym-6.1.0.1-build230042-mumss

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1. Scope.....	3
2. Configuration to enable SSM performance log enhancement.....	3
1) Prerequisites.....	3
2) Installation files.....	3
3) Installation procedure for managements hosts	3
4) Configuration procedure.....	4
3. Copyright and trademark information.....	5

1. Scope

Applicability	
Operating system	Windows 64-bits
Symphony version	Platform Symphony 6.1.0.1 This fix applies to Platform Symphony management hosts only.

2. Configuration to enable SSM performance log enhancement

1) Prerequisites

Before applying this fix, ensure that Platform Symphony 6.1.0.1 Grid is installed.

2) Installation files

File name	Description
symphony_build230042_win64.zip	The binary package that contains this new feature for Windows 64-bits.
MD5SUM	Contains the MD5 checksum for symphony_build230042_win64.zip

3) Installation procedure for managements hosts

1. Download `symphony_build230042_win64.zip`.
2. Shut down all applications using the following command:
`C:\Program Files\IBM\Platform Symphony\soam>soamcontrol app disable all -f`
3. (Optional) Use this step only if you want to be able to roll back the change.
Back up SOAM binaries by backing up the `%SOAM_HOME%\6.1\w2k3_x64-vc7-psdk\etc` directory.
4. Create `C:\tmp\RFCs` directory. Copy `symphony_build226142_win64.zip` to the `C:\tmp\RFCs` directory and decompress the package.
5. Copy `ssm.exe` and `ssm.pdb` from `C:\tmp\RFCs` to `%SOAM_HOME%\6.1\w2k3_x64-vc7-psdk\etc`.

4) Configuration procedure

To enable this feature define environment variables for the SSM in the application profile:

```
<SOAM version="6.1">
  <SSM resReq="" workDir="{EGO_SHARED_TOP}/soam/work"
    startUpTimeout="60" shutDownTimeout="300">
    <osTypes>
      <osType name="all">
        <env name="SOAM_PERF_LOG_INTERVAL">10</env>
      </osType>
    </osTypes>
    ...
  </SSM>
</SOAM>
```

If **SOAM_PERF_LOG_INTERVAL** is not set, the feature is off.

The SSM will log performance information (in seconds) at each interval specified by **SOAM_PERF_LOG_INTERVAL**. The log format is as follows:

```
2013-11-12 00:53:59.342 Eastern Standard Time WARN [3960:3184] root -
The SIM connection number is <10>. The client thread number is <1>.
```

Valid values for **SOAM_PERF_LOG_INTERVAL** is any an integer from 1 to 2147483647. The SSM will log error information if the value is invalid. The log format is as follows:

```
2014-02-25 21:29:48.212 Pacific Standard Time WARN [3644:4712] root -
SOAM_PERF_LOG_INTERVAL value <abc> is not valid. To enable the SSM
performance log enhancement, the value must be a positive integer.
```

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