

IBM Platform Symphony 7.1 Fix Pack 1 Fix 422382

Readme File

Abstract

Unable to increase the locked memory (memlock) size for EGO services.

Description

Memlock is the maximum locked-in-memory address space or size. Currently, you cannot increase the memlock size for EGO. This enhancement allows you to specify the memlock value for your EGO service.

Readme file for: IBM® Platform Symphony
Product/Component Release: 7.1 Fix Pack 1
Update Name: Fix 422382
Fix ID: sym-7.1-build422382-jpmc
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1. Download Location

Download Fix 422382 from the following location: <http://www.ibm.com/eserver/support/fixes/>

2. Products or components affected

Affected components include: Platform Symphony/egosc, Platform Symphony/pem

3. System requirements

Operating system: RHEL 5.x or 6.x x86_64
Platform Symphony version: 7.1 Fix Pack 1
Cluster types: This fix applies to Platform Symphony Grid cluster

4. Installation and configuration

4.1 Before installation

1) Stop EGO services with the following command:

```
> egosh service stop all
```

2) Shut down the cluster with the following command:

```
> egosh ego shutdown
```

4.2 Installation steps

1) Download the `symsetup7.1_lnx26-lib23-x64_build422382.tar.gz` file.

2) Back up the EGO binaries on all management hosts in the cluster:

Go to `$EGO_TOP/3.1/linux2.6-glibc2.3-x86_64/etc/` and back up the `egosc` and `pem` files.

3) Copy the `symsetup7.1_lnx26-lib23-x64_build422382.tar.gz` file to each management hosts and decompress the package with the following command:

```
tar zxvf symsetup7.1_lnx26-lib23-x64_build422382.tar.gz -C $EGO_TOP
```

4) Configure memlock in EGO service profile by adding the MEMLOCK attribute. The type attribute must be set to hard or soft. The following code snippet shows an example of the memlock configuration:

```
<sc:ActivityDescription>
  <ego:Attribute name="hostType" type="xsd:string">X86_64</ego:Attribute>
  <ego:WorkingDirectory>${EGO_CONFDIR}/../../soam/work</ego:WorkingDirectory>
  .....
  <ego:Umask>0022</ego:Umask>
  <ego:Rlimit name="MEMLOCK" type="soft">65536</ego:Rlimit>
</ego:ActivitySpecification>
</sc:ActivityDescription>
```

4.3 After installation

Start the cluster using the following command:

```
> egosh ego start
```

4.4 Uninstallation

1) Stop EGO service using the following command:

```
> egosh service stop all
```

2) Shutdown cluster using the following command:

```
> egosh ego shutdown
```

3) Restore the backup file.

Log on to all management hosts and restore the backed up files:

```
$EGO_TOP/3.1/linux2.6-glibc2.3-x86_64/etc/egosc  
$EGO_TOP/3.1/linux2.6-glibc2.3-x86_64/etc/pem
```

5. List of files

symsetup7.1_lnx26-lib23-x64_build422382.tar.gz

```
3.1/linux2.6-glibc2.3-x86_64/etc/egosc  
3.1/linux2.6-glibc2.3-x86_64/etc/pem
```

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