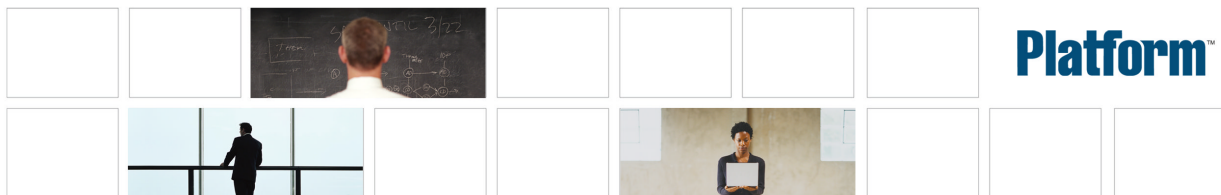


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# Installing the Platform Symphony Client on UNIX

Platform Symphony  
Version 5.0  
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# Installing the Platform Symphony client on UNIX

The Platform Symphony client enables you to run client applications. It is installed on a host where a Symphony client application is to be deployed, and this host does not need to be in a Symphony cluster. The software package contains the necessary libraries and configuration files that enable the client application to run and connect to a cluster. The following steps summarize the installation of the Symphony client on a single host and the verification of the installation by running a test application.

1. Prepare to install the Symphony client.
2. Install the Symphony client on one host.
3. Configure the Symphony client.
4. Run the test application.

## Prepare to install the Symphony client

1. Determine which installation file you need by finding the version of UNIX and glibc on your host.
  - a) Find the version of UNIX installed on your host.

**uname -a**

- b) For Linux hosts, find the version of glibc on your host.

**rpm -q glibc**

2. Determine whether to install as root or non-root user.

The installation method and file you need depends on your user account permissions.

3. Download the appropriate file from the Platform FTP site.
  - To install in a UNIX host, or as non-root in a Linux host, download the appropriate `tar.gz` file for your environment from the Platform FTP site.
  - To install as root in a Linux host, download the appropriate `.rpm` file for your environment.

---

### Note:

Linux root users can install using either the `tar.gz` or `.rpm` installation files.

## Install the Symphony client on one host

If you have root privileges in a Linux host, you can install the Symphony client with the RPM file or the `tar.gz` file.

If you do not have root privileges, or you are in a UNIX host, use the `tar.gz` installation file.

### Install the Symphony client using the `tar.gz` file

1. Install the Symphony client by using the `tar.gz` file.
 

**`tar -zxf install_file.tar.gz`**
2. Configure `SOAM_HOME` in `cschrc`, `symclient` or `profile`, `symclient`.

- a) Go to the `conf` directory in the directory in which the Symphony client was installed.

For example, if you installed the Symphony client in `/opt/symphonyClient/client_version_number`, go to `/opt/symphonyClient/client_version_number/conf`.

- b) Set the `SOAM_HOME` environment variable to the directory in which you have installed the Symphony client.

For `csh`, edit `cshrc.symclient` and change the following line to the directory in which you installed the Symphony client:

```
setenv SOAM_HOME $SOAM_HOME
```

For example

```
setenv SOAM_HOME /opt/symphonyClient/client_version_number
```

For `bash`, edit `profile.symclient` and change the following line to the directory in which you installed the Symphony client:

```
SOAM_HOME=$SOAM_HOME
```

For example

```
SOAM_HOME=/opt/symphonyClient/client_version_number
```

## Install the Symphony client using RPM (Linux root only)

If you have root permissions on a Linux host, you can install using the default settings.

1. Define the cluster administrator account by setting the `CLUSTERADMIN` variable.

For example,

```
setenv CLUSTERADMIN egoadmin
```

2. Run RPM.

```
rpm -ivh install_file.rpm
```

## Customize your installation

To install as root without using the default `dbpath` or installation directory, use the `dbpath` and `prefix` options.

1. Define the cluster administrator account by setting the `CLUSTERADMIN` variable.
2. Run RPM.

```
rpm -ivh --prefix /install_dir --dbpath dbpath_dir install_file.rpm
```

---

### Note:

If you install RPM without these options, the Symphony client is installed under `/opt/symphonyClient/client_version_number`.

---

## Configure the Symphony client

1. Navigate to the `conf` directory under the directory in which you installed the Symphony client.

For example, if you installed the Symphony client in `/opt/symphonyClient/client/versi on_number`, navigate to `/opt/symphonyClient/client/versi on_number/conf`.

2. Configure the cluster's entry point in `ego.conf`.

- a) Specify the master candidate host list

For example

```
EGO_MASTER_LIST=HostM
```

- b) Specify the EGO vemkd daemon port number.

For example

```
EGO_KD_PORT=7870
```

3. Source the environment.

For `csh`,

```
source cshrc.symclient
```

For `bash`,

```
. profile.symclient
```

## Run the test application

The Symphony client package contains a test application that sends Symphony workload to the cluster.

1. Run the test application to ensure your system is working properly.

For example

```
symping
```

If you see tasks sent and output received, and all tasks have run, everything is working properly in your system.