

# Setting the JBOSS\_HOME Environment Variable

The Restcomm Platform (**Restcomm**) is built on top of the JBoss Application Server. You do not need to set the **JBOSS\_HOME** environment variable to run any of the Restcomm Platform servers unless **JBOSS\_HOME** is already set.

The best way to know for sure whether **JBOSS\_HOME** was set previously or not is to perform a simple check which may save you time and frustration.

#### *Checking to See If JBOSS\_HOME is Set on Unix*

At the command line, **echo \$JBOSS\_HOME** to see if it is currently defined in your environment:

```
~]$ echo $JBOSS_HOME
```

The Restcomm Platform or most of Restcomm servers are built on top of the JBoss Application Server (**JBoss Application Server**). When the Restcomm Platform or Restcomm servers are built on top of the JBoss Application Server (**JBoss Application Server**), then **JBOSS\_HOME** *must* be set, because the **Restcomm** files are installed into (or “over top of” if you prefer) a clean JBoss Application Server installation, and the build process assumes that the location pointed to by the **JBOSS\_HOME** environment variable at the time of building is the JBoss Application Server installation into which you want it to install the **Restcomm** files.

This guide does not detail building the **Restcomm** or any **Restcomm** servers from source. It is nevertheless useful to understand the role played by **JBoss Application Server** and **JBOSS\_HOME** in the **jSS7** ecosystem.

The immediately-following section considers whether you need to set **JBOSS\_HOME** at all and, if so, when. The subsequent sections detail how to set **JBOSS\_HOME** on Unix and Windows



Even if you fall into the category below of *not needing* to set **JBOSS\_HOME**, you may want to for various reasons anyway. Also, even if you are instructed that you do *not need* to set **JBOSS\_HOME**, it is good practice nonetheless to check and make sure that **JBOSS\_HOME** actually *isn't* set or defined on your system for some reason. This can save you both time and frustration.

You *DO NOT NEED* to set **JBOSS\_HOME** if...

- ...you have installed the **Restcomm** binary distribution.
- ...you have installed a Restcomm server binary distribution *which bundles JBoss Application Server*.

You *MUST* set **JBOSS\_HOME** if...

- ...you are installing the **Restcomm** or any of the Restcomm servers *from source*.
- ...you are installing the **Restcomm** binary distribution, or one of the Restcomm server binary distributions, which *do not* bundle **JBoss Application Server**.

Naturally, if you installed the **Restcomm** or one of the Restcomm server binary releases which *do not* bundle **JBoss Application Server**, yet requires it to run, then you should install before setting **JBOSS\_HOME** or proceeding with anything else.

### Setting the JBOSS\_HOME Environment Variable on Unix

The **JBOSS\_HOME** environment variable must point to the directory which contains all of the files for the **Restcomm** or individual Restcomm; server that you installed. As another hint, this topmost directory contains a *bin* subdirectory.

Setting **JBOSS\_HOME** in your personal `~/.bashrc` startup script carries the advantage of retaining effect over reboots. Each time you log in, the environment variable is sure to be set for you, as a user. On Unix, it is possible to set **JBOSS\_HOME** as a system-wide environment variable, by defining it in `/etc/bashrc`, but this method is neither recommended nor detailed in these instructions.

#### Procedure: To Set JBOSS\_HOME on Unix...

1. Open the `~/.bashrc` startup script, which is a hidden file in your home directory, in a text editor, and insert the following line on its own line while substituting for the actual install location on your system:

```
export JBOSS_HOME="/home/<username>/<path>/<to>/<install_directory>"
```

2. Save and close the `.bashrc` startup script.
3. You should **source** the `.bashrc` script to force your change to take effect, so that **JBOSS\_HOME** becomes set for the current session [1: Note that any other terminals which were opened prior to your having altered `.bashrc` will need to source `~/.bashrc` as well should they require access to **JBOSS\_HOME**.].

```
~]$ source ~/.bashrc
```

4. Finally, ensure that **JBOSS\_HOME** is set in the current session, and actually points to the correct location:



The command line usage below is based upon a binary installation of the **Restcomm**. In this sample output, **JBOSS\_HOME** has been set correctly to the **topmost\_directory** of the **Restcomm** installation. Note that if you are installing one of the standalone **Restcomm** servers (with **JBoss Application Server** bundled!), then **JBOSS\_HOME** would point to the **topmost\_directory** of your server installation.

```
~]$ echo $JBOSS_HOME
/home/silas/<path>/<to>/<install_directory>
```

### Setting the JBOSS\_HOME Environment Variable on Windows

The **JBOSS\_HOME** environment variable must point to the directory which contains all of the files for the jSS7 Platform or individual jSS7 server that you installed. As another hint, this topmost directory contains a *bin* subdirectory.

For information on how to set environment variables in recent versions of Windows, refer to

<http://support.microsoft.com/kb/931715>.