How to Configure JBoss 7 Server as a Windows Service

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Introduction

This document describes how to configure a JBoss 7 Server as a Windows service, for use with Cisco Cloud Portal.

This configuration allows JBoss Server to start automatically, as a background process, whenever the Windows Server boots. The process does not require a logged–in user to initiate it, and so will not be killed if that user logs off. It will also restart automatically if the Windows Server reboots.

Before You Begin

Requirements

Readers of this document should have knowledge of these topics.

- Windows Server operating system
- Internet Information Services

Components Used

The information in this document is based on these hardware and software versions:

- Windows Server 2008 R2
- IIS 7.5
- Jboss 7.1.1.Final
- Cisco Service Portal, release 9.4 or later

Conventions

For more information on document conventions, refer to Cisco Technical TipsConventions.

Configuring the Service

Ensure you have administrator access to the Windows server on which JBoss is installed, and that you have a text editor that supports search and replace (such as Notepad). It is also handy, although not required, for the server to have unrestricted web access.

Procedure

Complete these steps:

1. On the www.jboss.org/jbossweb/downloads web site, search for the current packages of the `"Jboss Web Native Connectors"`, and download the binaries appropriate for the Windows operating system you are using. For example, if the current package is at release 2.0.10, then download the zip file for `binaries 2.0.10-windows x64`.
2. Unzip the downloaded archive file to the JBoss root directory. For example:

   ```
   C:\jboss-as-7.1.1.Final
   ```

   If prompted to do so, overwrite any existing files with the same names.
3. Use your text editor to open the `service.bat` file under the `<JBOSS_ROOT>\bin` directory. Save a copy of the file as `service.old` so you have a backup.
4. Set the `SVCNAME`, `SVCDISP` and `SVCDESC` properties to something meaningful. For example:

   ```
   set SVCNAME=JBoss7server
   set SVCDISP=JBoss Server for CSP release X
   set SVCDESC=JBoss AS 7.1.1.Final – Windows x64 – CSP release X
   ```
5. Comment out the `JAVA_OPTS` property by adding `REM` to the beginning of the line. For example:

   ```
   REM set JAVA_OPTS=-X
   ```
6. Replace all occurrences of `run.bat` with `standalone.bat`.
7. Replace all occurrences of `run.log` with `standalone.log`.
8. Replace all occurrences of the command

   ♦ **call shutdown –S < .s.lock >> shutdown.log 2>&1**

   with this command

   ♦ **call jboss–cli.bat ––connect ––command=:shutdown >> shutdown.log 2>&1**
9. Save the modified `service.bat` file.
10. Launch the Windows command line and execute the following command to install and register the "JBoss Server for CSP release X" service:

    ```
    service.bat install
    ```
11. Open **Server Manager > Configuration > Services** and verify that the "JBoss Server for CSP release X" service was registered.
12. (Optional) Change the **Startup Type** for this service to **Automatic.**
13. Start the "JBoss Service for CSP release X" service.
14. Check the log file `<JBOSS_ROOT>\bin\standalone.log` to verify that the JBoss server started up successfully.

Related Information

- **Cisco Cloud Portal Support**