Installing Joget as a Windows Service

1. Download the desired Tomcat version from its official site. You can click here to get Tomcat 8.

> ⓘ **32 or 64 bits?**
>
> Make sure that you match Tomcat with the version of Java that you are using.

2. Make sure that you pick the bundle meant for Windows as highlighted below.

3. Extract the content and put it into the Joget's installation directory.

   In this article, our Joget Workflow installation directory is **C:\joget\Joget-v5-Enterprise**

   At the time of writing, "apache-tomcat-8.0.33" is the version downloaded.

4. Copy the **jw.war** and **jwdesigner.war** from **existing tomcat's webapps** folder into the new one (i.e. from \apache-tomcat-8.0.20\webapp\ to \apache-tomcat-8.0.33\webapp\)

5. **Optional step**: If you every plan to start up Joget Workflow manually next time by running the usual batch file or through Windows Start Menu, you can modify **joget.start** to point to the new tomcat folder.

Existing code

```
set CATALINA_HOME=.\apache-tomcat-8.0.20
```
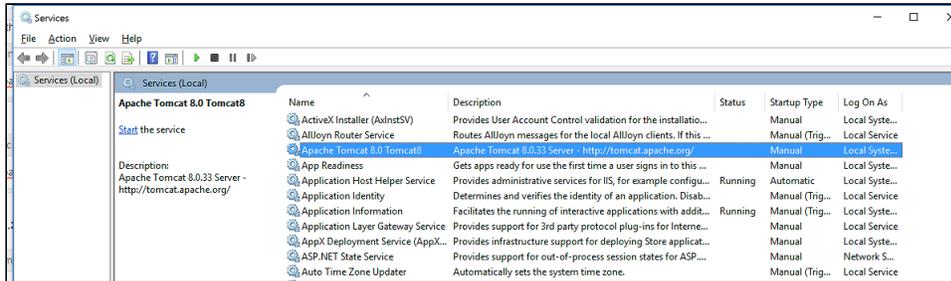

New code

```
set CATALINA_HOME=.\apache-tomcat-8.0.33
```

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6. Open up **\apache-tomcat-8.0.33\bin** in your command prompt.
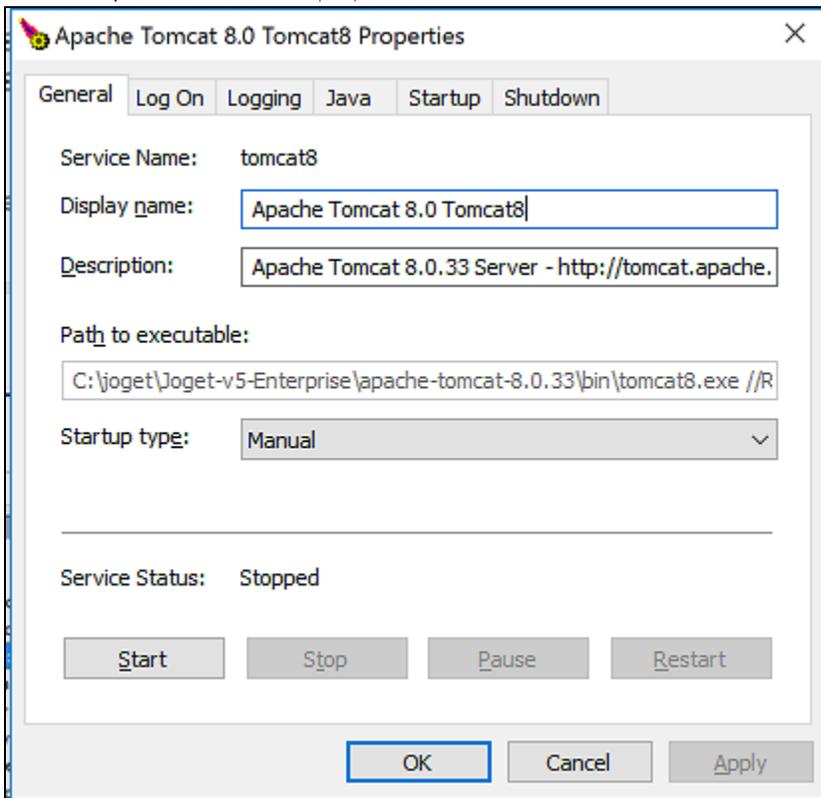
7. Run **service.bat install**.

Command Prompt

```
C:\joget\Joget-v5-Enterprise\apache-tomcat-8.0.33\bin>service.bat install
Installing the service 'Tomcat8' ...
Using CATALINA_HOME:    "C:\joget\Joget-v5-Enterprise\apache-tomcat-8.0.33"
Using CATALINA_BASE:    "C:\joget\Joget-v5-Enterprise\apache-tomcat-8.0.33"
Using JAVA_HOME:        "C:\Program Files\Java\jdk1.7.0_79"
Using JRE_HOME:         "C:\Program Files\Java\jdk1.7.0_79\jre"
Using JVM:              "C:\Program Files\Java\jdk1.7.0_79\jre\bin\server\jvm.dll"
The service 'Tomcat8' has been installed.
```
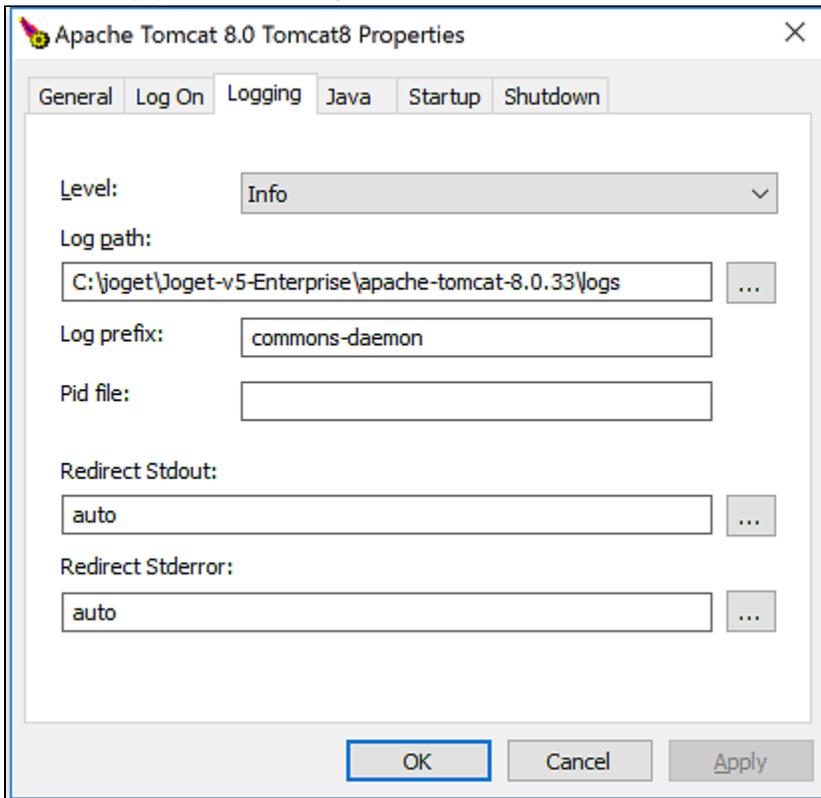
8. To verify, you may check in **Computer Management -> Services**.

9. Get back to the **\apache-tomcat-8.0.33\bin** folder. Open up **tomcat8w.exe**.
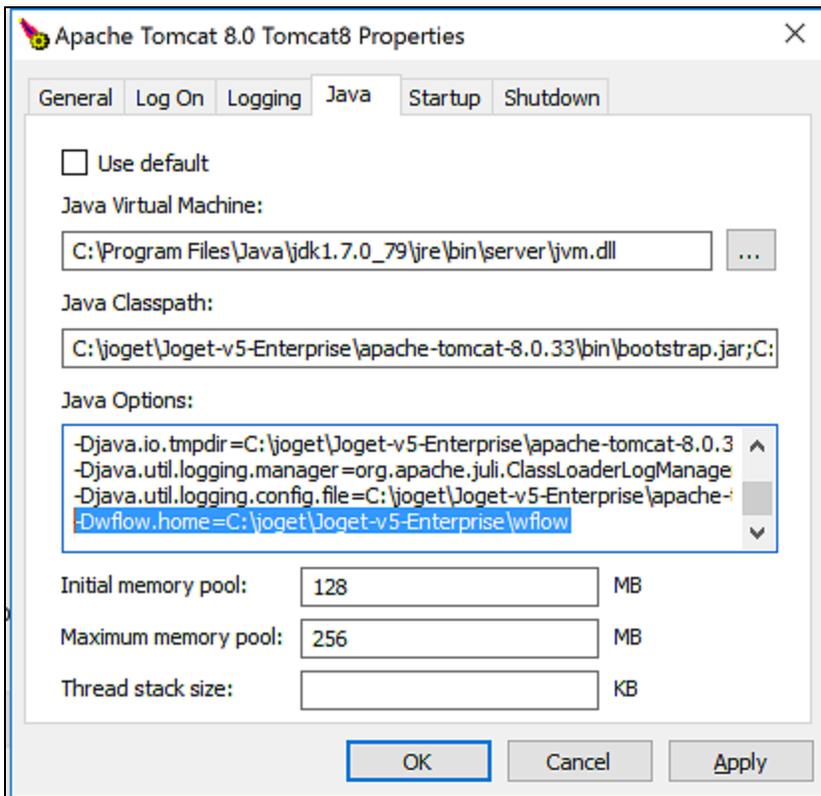
10. Go to the **Logging** tab. Verify that the **Log path** is pointing to the correct location, by default, it should point it back to the **logs** folder of the current Tomcat already. Select the level of logging you wish for in the **level** drop-down list.
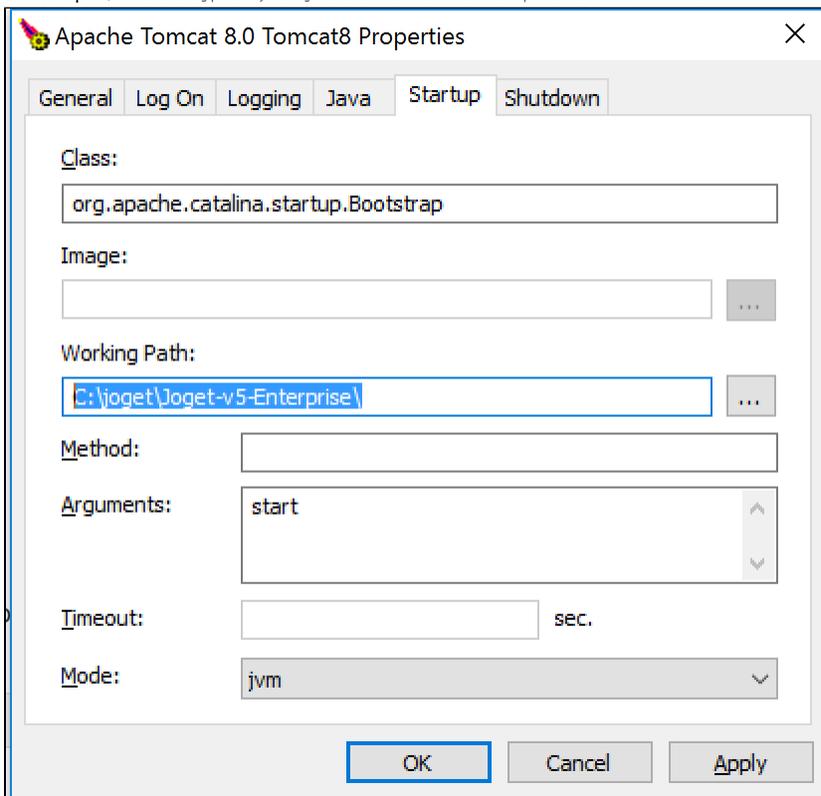

11. Next, go to the **Java** tab, **append** the following lines in the **Java Options** field. This is to define the **wflow** home folder from where Joget Workflow will run.

Append these lines
`-Dwflow.home=C:\joget\Joget-v5-Enterprise\wflow` `-javaagent:C:\joget\Joget-v5-Enterprise\wflow/aspectjweaver-1.8.5.jar`

12. Go to **startup** tab, set the working path to your Joget Workflow's installation folder. Repeat it for **shutdown** tab too.

13. You can now start up Joget as a service.

After you have successfully added **Tomcat as a service**, you may also want to **add MySQL as a service** and **make Tomcat dependent on MySQL** as well.

1. Installing MySQL as a Windows Service
2. Adding MySQL service as a Dependency to Tomcat service

Reference: Apache Tomcat 8 - Windows service HOW-TO