Running Jenkins as a Service :

**Copy the jenkins.war file :**

sudo cp jenkins.war /usr/local/bin/jenkins.war

Then, go to your /etc/systemd/system/ directory, and create a new file called jenkins.service

cd /etc/systemd/system/

sudo nano jenkins.service

Now, add the following lines to the new jenkins.service file. In a moment, we’ll go over exactly what these lines accomplish.

[Unit]

Description=Jenkins Service

After=network.target

[Service]

Type=simple

User=root

ExecStart=/usr/bin/java -jar /usr/local/bin/jenkins.war Restart=on-abort

[Install]

WantedBy=multi-user.target

To change how the Jenkins process is launched, you’ll need to edit the settings file and change its location so it will automatically start on reboots.

1. Enter the following command to **unload** Jenkins as a **Daemon**: sudo launchctl unload /Library/LaunchDaemons/org.jenkins-ci.plist
2. Next, **move** the **.plist** file, which defines how Jenkins will run, to the **LaunchAgents** folder: sudo mv /Library/LaunchDaemons/org.jenkins-ci.plist /Library/LaunchAgents/
3. *Now for the top secret step.* The default **.plist**file that Jenkins creates adds a key-value pair called **SessionCreate**. This creates issues when running certain applications, such as iOS simulators. The reason for this? Honestly, I’m not sure. In the past, a fix to many Jenkins CI issues in the iOS world was to add this key manually. It seems that with Xcode 6 things have reversed and it’s now required that you remove the key which solves the issue. Open the file with the editor of your choosing, and **remove** them.

* sudo vim /Library/LaunchAgents/org.jenkins-ci.plist
* /\* Remove the following lines \*/
* <key>SessionCreate</key
* <true />
* /\* Save the file \*/

1. Lastly, **reload** the Launch Agent to restart Jenkins.

* sudo launchctl load /Library/LaunchAgents/org.jenkins-ci.plist
* **Stop Jenkins**

|  |  |
| --- | --- |
|  | sudo launchctl unload /Library/LaunchDaemons/org.jenkins-ci.plist |

* **Start Jenkins**

sudo launchctl load /Library/LaunchDaemons/org.jenkins-ci.plist