

## 2.4 – Install as macOS daemon

Run the following commands:

1. `cd /Library`
2. `sudo unzip SparkGateway.zip`
3. `sudo chown username SparkGateway` *username should be the login name under which gateway will run*
4. `sudo chgrp admin SparkGateway`
5. `cd SparkGateway`
6. `sudo nano start.sh` with following content:

```
#!/bin/sh
SPARK_HOME=/Library/SparkGateway
java -jar $SPARK_HOME/SparkGateway.jar -c=$SPARK_HOME/gateway.conf
```

7. Save the file and run `sudo chmod a+x start.sh`
8. Change the default directory and listening port if port 80 is occupied in gateway.conf:

```
port = 8080
logfile = /Library/SparkGateway/logs/gateway.log
html = /Library/SparkGateway/html
license = /Library/SparkGateway/license
```

9. Use `sudo ./start.sh` to test if there are any errors within the script.
10. `cd /Library/LaunchDaemons`
11. `sudo nano com.toremote.gateway.plist` with following content:

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE plist PUBLIC "-//Apple Computer//DTD PLIST
1.0//EN" "http://www.apple.com/DTDs/PropertyList-1.0.dtd">
<plist version="1.0">
  <dict>
    <key>Label</key>
    <string>com.toremote.gateway</string>
    <key>Disabled</key>
    <false/>
```

```
<key>OnDemand</key>
<false/>
<key>RunAtLoad</key>
<true/>
<key>ProgramArguments</key>
<array>
□ <string>/Library/SparkGateway/start.sh</string>
</array>
<key>EnvironmentVariables</key>
<dict>
<key>SPARK_HOME</key>
<string>/Library/SparkGateway</string>
</dict>
<key>StandardErrorPath</key>
<string>/Library/SparkGateway/logs/gateway.stderr</string>
<key>StandardOutPath</key>
<string>/Library/SparkGateway/logs/gateway.stdout</string>
<key>UserName</key>
<string>_appserver</string>
</dict>
</plist>
```

## 12. Service commands:

- Load the service: `sudo launchctl load /Library/LaunchDaemons/com.toremote.gateway.plist`
- Unload the service: `sudo launchctl unload /Library/LaunchDaemons/com.toremote.gateway.plist`

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