**Create a Systemd Service that runs Spring Boot project**

**What is a systemd service?**

Simply put, a service is a "[background process](https://linuxhandbook.com/run-process-background/)" that is started or stopped based on certain circumstances. We are not required to manually start and/or stop it. A 'systemd service file' is a file that is written in a format such that systemd is able to parse and understand it, and later on do what you told it to do.

**Build Project**

**cd /home/kali/Downloads/demo**

**./gradlew build**

**Create a Systemd Service File**

**sudo nano /etc/systemd/system/demo.service**

**In the demo.service file content**

**[Unit]**

**Description=Spring Boot Demo Project**

**After=network.target**

**[Service]**

**User=kali**

**ExecStart=/usr/bin/java -jar /home/kali/Downloads/demo/build/libs/demo-0.0.1-SNAPSHOT.jar --server.port=8081**

**SuccessExitStatus=143**

**Restart=on-failure**

**RestartSec=20**

**[Install]**

**WantedBy=multi-user.target**

**The [Unit] section**

The Unit section contains details and description about the unit itself. In our case, it contains details about the service. Details like 'what is its description', 'what are its dependencies' and more.

**The [Service] section**

The Service section contains details about the execution and termination of service.

**The [Install] section**

The Install section, as the name says, handles the installation of a systemd service/unit file. This is used when you run either systemctl enable and systemctl disable command for enabling or disabling a service.

**Reload systemd, Enable & Start the Service**

**sudo systemctl daemon-reexec**

**sudo systemctl daemon-reload**

**sudo systemctl enable demo.service**

**sudo systemctl start demo.service**

**Check Status**

**sudo systemctl status demo.service**

**Stop the Service**

**sudo systemctl stop demo.service**