Create a service to start automatically with system reboot

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Instructions :

Create a file under /etc/init.d/ with nano or vi and paste the example script below.

1. sudo vi /etc/init.d/service

Modify the SERVICE_NAME, PATH_TO_JAR, and choose a PID_PATH_NAME for the file you are going to use to store your service ID.

Copy the script here

Write the file and give execution permissions

1. sudo chmod +x /etc/init.d/service

run the below commands

sudo update-rc.d service defaults

sudo systemctl enable service

Test that it runs EX. sudo service service start

Test that it stops EX. sudo service service stop

Test that it restarts EX. sudo service service restart

---------- Script Starts Here -------

```
#!/bin/sh
#
### BEGIN INIT INFO
# Provides:        service
# Required-Start:   $remote_fs
# Required-Stop:    $remote_fs
# Should-Start:     $syslog $network $named $time
# Should-Stop:      $syslog $network $named $time
# Default-Start:    2 3 4 5
# Default-Stop:     0 1 6
# Short-Description: Controls service logs
# Description:      Controls service logs
### END INIT INFO
###


SERVICE_NAME=service
PATH_TO_JAR=/home/ubuntu/service.jar
PID_PATH_NAME=/tmp/service-pid
case $1 in
   start)
```

```bash
        echo "Starting $SERVICE_NAME ..."
        if [ ! -f $PID_PATH_NAME ]; then
            nohup java -jar $PATH_TO_JAR >>/var/log/service.log 2>> /dev/null >> /dev/null &
            echo $! > $PID_PATH_NAME
            echo "$SERVICE_NAME started ..."
        else
            echo "$SERVICE_NAME is already running ..."
        fi
    ;;
    stop)
        if [ -f $PID_PATH_NAME ]; then
            PID=$(cat $PID_PATH_NAME);
            echo "$SERVICE_NAME stoping ..."
            kill $PID;
            echo "$SERVICE_NAME stopped ..."
            rm $PID_PATH_NAME
        else
            echo "$SERVICE_NAME is not running ..."
        fi
    ;;
    status)
        if [ -f $PID_PATH_NAME ]; then
            PID=$(cat $PID_PATH_NAME);
            echo "$SERVICE_NAME running ..."
        else
            echo "$SERVICE_NAME is not running ..."
        fi
    ;;
    restart)
        if [ -f $PID_PATH_NAME ]; then
            PID=$(cat $PID_PATH_NAME);
            echo "$SERVICE_NAME stopping ...";
            kill $PID;
            echo "$SERVICE_NAME stopped ...";
            rm $PID_PATH_NAME
            echo "$SERVICE_NAME starting ..."
            nohup java -jar $PATH_TO_JAR >>/var/log/service.log 2>> /dev/null >> /dev/null &
            echo $! > $PID_PATH_NAME
            echo "$SERVICE_NAME started ..."
        else
```

```
        echo "$SERVICE_NAME is not running ..."
    fi
  ;;
esac
```