

How to Setup Odysseus Server as Linux Service

We recommend to use the docker version of Odysseus. See [Run with Docker](#).

This page describes how to install Odysseus Server as a Linux service that starts at system start automatically.

First, you have to install all dependencies as described at [How to install Odysseus](#). Save the Odysseus Server binaries to a proper location, e. g., to `/opt/odysseus/`. Then, you should create a script that starts odysseus, e. g. to `/usr/local/bin/odysseus`. Example for this script:

```
#!/bin/sh

while true; do
    java -Xmx500M -Xms500M -Declipse.p2.mirrors=false -jar /opt/odysseus/plugins/org.eclipse.equinox.launcher_1.5.500.v20190715-1310.jar -console -debug -data @noDefault
    if [ "$?" != "23" ]; then
        break
    fi
done
```

Don't forget to make it executable:

```
chmod +x /usr/local/bin/odysseus
```

Now, you can use the command `odysseus` to start the Odysseus Server (because `/usr/local/bin` is in the path variable).

To let Odysseus start at system start, you have to add a start script at `/etc/init.d/odysseus`. The following simple example expects a user `odysseus`:

```
#!/bin/sh
### BEGIN INIT INFO
# Provides:          odysseus
# Required-Start:    $all
# Required-Stop:
# Default-Start:     2 3 4 5
# Default-Stop:      0 1 6
# Short-Description: Start/stop Odysseus Server
### END INIT INFO
USERNAME=odysseus
do_start() {
    # TODO: prevent starting odysseus a bunch of times
    su $USERNAME -l -c "screen -dmS odysseus odysseus"
}
do_stop() {
    # TODO: if you have started odysseus a bunch of times without stopping it before, stopping doesn't work
    su $USERNAME -c "screen -p 0 -S odysseus -X quit"
}
case "$1" in
    start)
        echo "Starting Odysseus ..."
        do_start
        ;;
    stop)
        echo "Stopping Odysseus ..."
        do_stop
        ;;
    restart)
        echo "Restarting Odysseus ..."
        do_stop
        do_start
        ;;
    *)
        echo "Usage: /etc/init.d/odysseus {start|stop}"
        ;;
esac
exit 0
```

On most Linux distributions, you can activate this script by (as root):

```
update-rc.d odysseus defaults
```

You can start, stop or restart the Odysseus service by (as root):

```
/etc/init.rc/odysseus start
/etc/init.rc/odysseus stop
/etc/init.rc/odysseus restart

# On most systems also:
service odysseus start
service odysseus stop
service odysseus restart
```

You can get the OSGI console by joining the screen instance:

```
# as user odysseus:
screen -S odysseus -dRR

# if you get a error message like 'Cannot open your terminal '/dev/pts/1' - please check.' you have to use the
following command:
script -q -c "screen -S odysseus -dRR" /dev/null

# As root, you can use the following command:
su odysseus -l -c "script -q -c \"screen -S odysseus -dRR\" /dev/null"
```

To leave the OSGI console, you have to press Ctrl+A followed by the key d.

To deploy odysseus to a bunch of servers, you can use a [deploy script](#).