

# Auto Start/Stop Services on Mandriva Linux

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FIXME

Step 8 – Automatic Start/Stop Mandriva/Mandrake 10.x

Version française du document : <http://www.apachefrance.com/Forums/index.php?showtopic=3606>

Source Links :

- [http://cocoonddev.org/daisydocs-1\\_3/admin/193.html](http://cocoonddev.org/daisydocs-1_3/admin/193.html)<sup>2</sup>
- <http://wrapper.tanukisoftware.org/doc/engl...roduction.html><sup>3</sup>

## 1°-- Install Java Service wrapper –

```
urpmi tanukiwrapper-3.1.2-1jpp.i386.rpm
```

We Get :

- /usr/lib/libwrapper.so
- /usr/share/doc/tanukiwrapper-3.1.2/license.txt
- /usr/share/java/tanukiwrapper-3.1.2.jar
- /usr/share/java/tanukiwrapper-test-3.1.2.jar
- /usr/share/java/tanukiwrapper-test.jar
- /usr/share/java/tanukiwrapper.jar
- /usr/share/tanukiwrapper-3.1.2/bin
- /usr/share/tanukiwrapper-3.1.2/bin/testwrapper
- /usr/share/tanukiwrapper-3.1.2/bin/wrapper
- /usr/share/tanukiwrapper-3.1.2/conf
- /usr/share/tanukiwrapper-3.1.2/conf/wrapper.conf
- Manual >> /usr/share/doc/tanukiwrapper-manual-3.1.2
- Examples >> /usr/share/doc/tanukiwrapper-manual-3.1.2/test

## 2°-- Prepare Files

### A>>- Prepare requested Files

A-1 copy script file from /usr/share/tanukiwrapper-3.1.2/bin/testwrapper TWICE to obtain two renaming files like this:

- dsy\_openjms.sh
- dsy\_repo.sh

A-2 copy script file from /usr/share/tanukiwrapper-3.1.2/bin/testwrapper TWICE to obtain two renaming files like this:

- dsy\_openjms\_wrapper.conf
- dsy\_repo\_wrapper.conf

### 3°- modify files

#### M1-> path to wrapper.jar - Modify - dsy\_openjms.sh & dsy\_repo.sh

replace....

```
wrapper.java.classpath.2=./lib/wrapper.jar
```

By ...

```
wrapper.java.classpath.2=/usr/share/java/tanukiwrapper.jar
```

#### M2> path to libwrapper.so

- -> replace

```
# Java Library Path (location of Wrapper.DLL or libwrapper.so)
```

```
wrapper.java.library.path.1=./lib
```

- -> by

```
# Java Library Path (location of Wrapper.DLL or libwrapper.so)
```

```
wrapper.java.library.path.1=/usr/lib
```

#### M3-> environment Parametersto include in .sh files (top)

```
WRAPPER_HOME=/usr/share/tanukiwrapper-3.1.2 ; export WRAPPER_HOME
```

```
DAISY_HOME=/usr/share/daisy ; export DAISY_HOME
```

```
OPENJMS_HOME=/usr/share/daisy/openjms ; export OPENJMS_HOME
```

```
DAISY_DATADIR=/var/local/daisydata ; export DAISY_DATADIR
```

```
MERLIN_HOME=$DAISY_HOME/repository-server/merlin ; export MERLIN_HOME
```

#### M4> few change in dsy\_openjms.sh & dsy\_repo.sh .

-> replace

```
PIDDIR=*. *
```

-> by

```
PIDDIR= »/var/run »
```

## M5>- specific information for th Mandriva 'chkconfig'

Scripts files must include few lines with a strict syntax and as minimum # chkconfig & # description:

- # chkconfig: 345 90 10 == (runlevel) service Niveau 3, 4, 5 >> SO, rc3.d, rc4.d etc.. , xx et yy (xx +yy=100) and xx is the rank order for start and yy for stop process – We will get a S90toto & K90toto files with chkconfig
- # description : service in few words, appears as label in console . use "\" for break lines

As example : we have Tomcat5 S80 K20 and We want that dsy\_openjms.sh & dsy\_repo.sh Start Before & Stop After (Apache Start and Stop after Tomcat5)

### M5-a- AutoStart OpenJMS Service (dsy\_openjms.sh )

Add at the second line position in files

```
# description: Daisy OpenJMS Service
```

```
# chkconfig: 2345 76 24
```

```
# processname: dsy_openjms
```

```
# pidfile: /var/run/dsy_openjms.pid
```

### M5-b- AutoStart Daisy Repository Server Service (dsy\_repo.sh )

Add at the second line position in files

```
# description: Daisy Repository Server Service
```

```
# chkconfig: 2345 78 22
```

```
# processname: dsy_repo
```

```
# pidfile: /var/run/dsy_repo.pid
```

## 4°- configure autostart

### 1°-- Move Wrapper & Scripts Files

Move to /usr/share/daisy/openjms/bin

1. - dsy\_openjms (sans .sh)
2. - dsy\_openjms\_wrapper.conf

Move to /usr/share/daisy/repository-server/bin

1. - dsy\_repo (sans .sh)
2. - dsy\_repo\_wrapper.conf

## 2°-- Test your Scripts - Usage: `./dsy_repo { console | start | stop | restart | status | dump }`

Start (respect order)

```
./dsy_openjms start
```

```
./dsy_repo start
```

Stop (respect order)

```
./dsy_repo stop
```

```
./dsy_openjms stop
```

## 3°-- Symbol Links in `/etc/init.d`

```
ln -s /usr/share/daisy/openjms/bin/dsy_openjms /etc/init.d/dsy_openjms
```

```
ln -s /usr/share/daisy/repository-server/bin/dsy_repo /etc/init.d/dsy_repo
```

Test LN as changing current directory to `/etc/init.d` And executing scripts (respect order)

## 4° - configure start/stop wit the `chkconfig` Mandriva command

```
chkconfig --add dsy_openjms
```

```
chkconfig --add dsy_repo
```

“`chkconfig`” replace on Mandriva (`update-rc.d dsy_openjms start 76 2 3 4 5 . stop 24 0 1 6 .`) and (`update-rc.d dsy_repo start 78 2 3 4 5 . stop 22 0 1 6 .`) on others Linux systems

## And now??

Okay, you shutdown then you start your Mandriva Machine to test ..

There is a little trick to fix that i didn't found .. in Console Manager as `dsy-xx` are stopped or started, i don't get the status displayed ..

## Fields

Name	Value
Category	Install & config