1 Introduction

The goal of this document is to ease the start of a narval acquisition. The first version of this documentation is Debian and bash centric.

2 How to install narval

To experiment with narval you need at least four packages :
apt-get install narval-servers narval-tests-actors narval-utils narval-doc

3 Running a simple example on one host

3.1 Creating narval.conf

Execute the following command :

```
po_cos_naming --polyorb-iiop-polyorb-protocols-iiop-default_port=2809 \
| grep corbaloc | sed -e 's/POLYORB_CORBA_NAME_SERVICE/[dsa]\nname_service/' \
> ~/narval.conf & sleep 1 &&  killall -9 po_cos_naming
```

Be careful when running this command that you don't have already a po_cos_naming process running.

3.2 User example_user environment setup

Create two directory to store narval topology files and narval scripts : for example ~/narval_conf and ~/narval_scripts. Copy example.xml and run_example respectively to ~/narval_conf and ~/narval_scripts.

3.2.1 .bashrc lines

Before the line

```
[ -z "$PS1" ] && return
```

add these four lines :

```
export NARVAL_CONFIG=/home/user_example/narval_conf
export NARVAL_SCRIPTS=/home/user_example/narval_scripts
export POLYORB_CONF=/home/user_example/narval.conf
export AWS_PORT=6080
```

3.2.2 .ssh directory setup

Run :

```
user_example@your-linux:~$ setup_narval_keys local
```

3.3 Running the example

```
user_example@your-linux:~$ narval_launch
user_example@your-linux:~$ narval_shell --end_point http://localhost:$AWS_PORT l
```

4 Running a simple example on two host

Still to be written, may be narval_mini_howto should be renamed narval_micro_howto.