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## DSH

Before Ansible or Chef, Distributed Shell.

## Debian

Thanks to the universal operating system to make it easy:

```
$ sudo apt-get install dsh
```

## RHEL

Boo... compiling, I only can complete correctly in RHEL/CentOS 5,6 and 7 the versión 0.23.12 and libdshconfig-0.20.10.cvs.1:

```
$ sudo yum install gcc gcc-c++ make
$ wget
https://www.netfort.gr.jp/~dancer/software/downloads/dsh-0.23.12.tar.gz
$ wget
https://www.netfort.gr.jp/~dancer/software/downloads/libdshconfig-0.20.10.cvs.1.tar.gz
$ tar -zxvf libdshconfig-0.20.10.cvs.1.tar.gz
$ cd libdshconfig-0.20.10.cvs.1
$ ./configure && make
$ sudo make install
$ cd ..
$ tar -zxvf dsh-0.23.12.tar.gz
$ cd dsh-0.23.12
$ ./configure && make
$ sudo make install
$ cd ..
```

## RHEL tricky

```
$ sudo yum install gcc gcc-c++ make
$ wget
https://www.netfort.gr.jp/~dancer/software/downloads/dsh-0.25.10.tar.gz
$ wget
https://www.netfort.gr.jp/~dancer/software/downloads/libdshconfig-0.20.13.tar.gz
$ tar -zxvf libdshconfig-0.20.13.tar.gz
$ cd libdshconfig-0.20.13
$ ./configure && make
$ sudo make install
$ cd ..
$ tar -zxvf dsh-0.25.10.tar.gz
```

```
$ cd dsh-0.25.10
$ ./configure && make
$ sudo make install
$ cd ..
```

You will receive a message similar to this:

```
dsh: error while loading shared libraries: libdshconfig.so.1: cannot open
shared object file: No such file or directory
```

You need configure ssh as remote shell in file `/usr/local/etc/dsh.conf`

```
remoteshell =ssh
```

If you want parallel connections you must change:

```
waitshell=0
```

You can configure `LD_PATH_LIBRARY` to include `/usr/local/lib`. In my case I created a alias in `$HOME/.bashrc` file:

```
alias dsh='LD_LIBRARY_PATH=/usr/local/lib dsh'
```

## References

- <http://linux.ittoolbox.com/groups/technical-functional/redhat-l/dsh-setting-up-distributed-shell-for-rhel-5655947>
- <https://www.netfort.gr.jp/~dancer/software/downloads/#dsh>

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