

Short HOW-TO for getting a DrQueue cluster going.

.. and my spelling is extremely poor.

DrQueue works on many platforms, this is how I did on Helmer (linux Fedora 8)

There are 3 main apps;

master

slave

drqman (panel for submitting jobs)

Create new user "drq", and make sure this user have same UID on all machines... or use **root** if your are lazy :)

Get the package and compile

```
> mkdir drq
```

```
> cd drq
```

```
> svn co http://ssl.drqueue.org/svn/branches/0.65.x
```

```
> cd 0.65.x
```

```
> yum install scons
```

```
> scons
```

Binaries done!

If you have machines with different system or different cpu (power pc) etc..

You need to repeat this on all new platforms. DrQueue automatically starts the proper binary for each platform 32bit, 64bit, ... But this is usually to ask for problem. If you use same on all it's easier.

Do the compile ON the machine you are planning to run on, this makes sure you'll get the proper binary without trouble.

Common storage

Make sure all machines have a common disk (NFS) -- If you don't know how to use NFS, just Google for "NFS export", and "NFS mounting"

I was lazy and used FreeNas and just clicked "share as nfs" in the webpanel.

On all machines I insertet this line in the /etc/fstab file

```
10.10.10.100:/mnt/MySharedNetworkDisk /mnt/MySharedNetworkDisk nfs defaults 0 0
```

10.10.10.100 or the IP to your NFS server :)

Then you'll have this after a reboot

```
/mnt/MySharedNetworkDisk
```

Installation

Make sure your user have write acces to this storage, then. (and that you are in the 0.65.x folder) then

```
> scons PREFIX= /mnt/MySharedNetworkDisk install
```

Sometimes there is an error during this, but just run this command a few times and it should be fine.

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Then everything lands in the "drqueue" folder on the shared disk.

Set environment variables

```
> export DRQUEUE_ROOT=/mnt/MySharedNetworkDisk/drqueue
```

```
> export DRQUEUE_MASTER=10.10.10.101
```

```
10.10.10.101
```

.. or the ip to your master-machine ;)

If you wich to make this permanent, put this lines in to the ".bash_profile" file in your home dir.

Running

Then you have the drq binaries. Run "master" and "drqman" (window) on one machine, and run the "slave" on the others.

On the master machine do:

```
> /mnt/MySharedNetworkDisk/drqueue/bin/master
```

And the control panel there jobs are submitted.

```
> /mnt/MySharedNetworkDisk/drqueue/bin/drqman
```

on all other render machines do:

```
> /mnt/MySharedNetworkDisk/drqueue/bin/slave
```

You can also run the slave on the master machine, this just make it render too.

Then check out the drqman panel, there is where the magic starts :)

If it doesnt run, and you have no concept for security and you just want to make it work. Try:

```
> cd /mnt/MySharedNetworkDisk/drqueue/
```

```
> chmod -Rf 777 *
```

If you are using DrQueue for commercial jobs, please donate some to Jorge. (www.drqueue.org)

He is a really nice guy that make a living writing this great app.

Cheers!

Janne

SFE.SE