

```
% Monitoring Netflow with NFsen
%
% Network Monitoring and Management
```

```
# Introduction
```

```
## Goals
```

```
* Build the nfdump package from source
```

```
## Notes
```

```
* Commands preceded with "$" imply that you should execute the command as
  a general user – not as root.
* Commands preceded with "#" imply that you should be working as root.
* Commands with more specific command lines (e.g. "RTR-GW>" or "mysql>")
  imply that you are executing commands on remote equipment, or within
  another program.
```

We will use the latest definition from Ubuntu's launchpad site:

– Add this line to the file /etc/apt/sources.list:

```
~~~~~
deb-src http://apt.ws.nsrc.org:3142/archive.ubuntu.com/ubuntu precise main restricted universe
multiverse
~~~~~
```

Then:

```
$ sudo apt-get update
```

To build the packages, we'll need the following files:

```
~~~~~
https://launchpad.net/ubuntu/+archive/primary/+files/nfdump_1.6.6-1.debian.tar.gz
https://launchpad.net/ubuntu/+archive/primary/+files/nfdump_1.6.6.orig.tar.gz
https://launchpad.net/ubuntu/+archive/primary/+files/nfdump_1.6.6-1.dsc
~~~~~
```

They have already been downloaded for you to:

```
~~~~~
http://noc.ws.nsrc.org/downloads/nfdump_1.6.6-1.debian.tar.gz
http://noc.ws.nsrc.org/downloads/nfdump_1.6.6.orig.tar.gz
http://noc.ws.nsrc.org/downloads/nfdump_1.6.6-1.dsc
~~~~~
```

So let's get them from the NOC:

```
~~~~~
cd /tmp/
wget http://noc.ws.nsrc.org/downloads/nfdump_1.6.6-1.debian.tar.gz
wget http://noc.ws.nsrc.org/downloads/nfdump_1.6.6.orig.tar.gz
wget http://noc.ws.nsrc.org/downloads/nfdump_1.6.6-1.dsc
~~~~~
```

Extract the source:

```
~~~~~
sudo dpkg-source -x --no-check nfdump_1.6.6-1.dsc
~~~~~
```

Install prerequisites:

```
~~~~~
sudo apt-get build-dep nfdump
~~~~~
```

One more package is required for building:

```
~~~~~  
sudo apt-get install flow-tools-dev  
~~~~~
```

Build the tool:

```
~~~~~  
cd nfdump-1.6.6  
sudo dpkg-buildpackage -rfakeroot -b  
~~~~~
```

The package is now built in the "proper" way, let's install it:

```
~~~~~  
cd ..  
ls -l nfdump*.deb  
~~~~~
```

Installation:

```
~~~~~  
sudo dpkg --install nfdump_1.6.6-1_i386.deb  
sudo dpkg --install nfdump-flow-tools_1.6.6-1_i386.deb  
~~~~~
```