Exporting and Importing data



Overview for exporting/importing data

- Create an export on one end
- Create an import on the other end

The easiest way to exchange data with another institution, with a neighboring country, or even between two machines used by your own institution, is to point someone at your Seedlink server.



Class Setup

SEISCOMP3

Seedlink Server

Seedlink plug-in

SEISCOMP3

Seedlink Server



Set up import/export

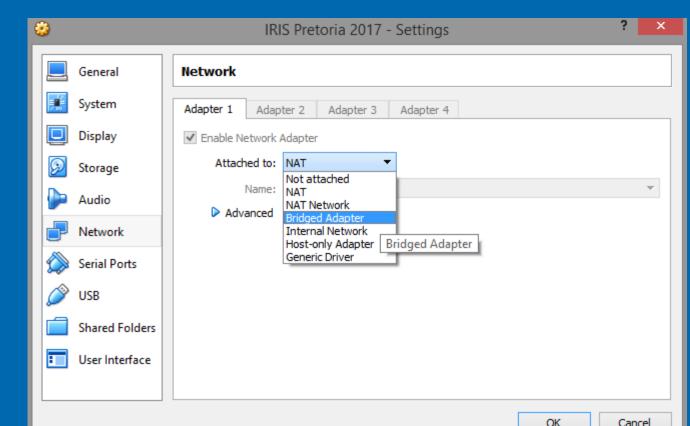
Everyone on the left side of the room, may try to exchange data with any person on the right side of the room.



Change to Bridged Mode

You'll need to run your Virtual Machine's networking in Bridged Mode





Change to Bridged Mode

You should probably restart Ubuntu after doing this. Make sure you still have internet. (ex: ping yahoo.com)

> Success:

- \$ ping yahoo.com
- > PING yahoo.com (98.138.253.109) 56(84) bytes of data.
- 64 bytes from ir1.fp.vip.ne1.yahoo.com (98.138.253.109): icmp_seq=1 ttl=44 time=265 ms

> Failure:

- \$ ping yahoo.com
- ping: unknown host yahoo.com



Firewall

- Best practice will be to allow only port 18000 connections into your organization's firewall and to Ubuntu. But for this exercise we can do:
- sysop@ubuntu14:~\$ sudo ufw disable
- [sudo] password for sysop:
- Firewall stopped and disabled on system startup



Share Metadata; Import It

- ➤ Ask for the metadata someone on the other side of the classroom downloaded this morning for the quiz. That will be FJS or MSEY. (Get it by email or memory stick or whatever, or download it yourself from IRIS.)
- Import this into your system
- Click 'sync'



Find Out Your Partners IP, Create a new seedlink profile

Bindings:

- Instead of IRIS' IP, you'll put your partner's IP when you create a New Chain.
- Drop the global profile on your new inventory station. Save

System:

Update Configuration. Restart Seedlink.

Check!

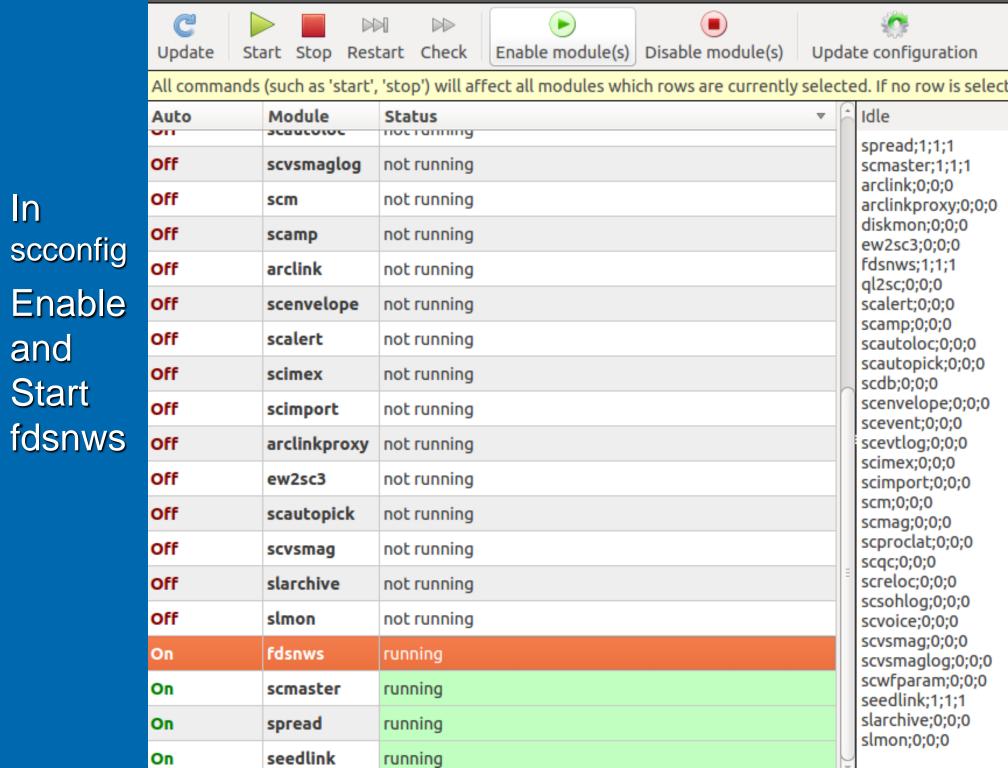
Run scrrtv & or slinktool -Q:

And determine if the new channel is coming from IRIS to your partner, and then from your partner to you!



FDSN WS

- ➤ The FDSN web service is built-in to SeisComP3. But it has a prerequisite before you can enable and run it: python-dateutil. Open a shell and sudo execute these 3 commands:
- sudo apt-get install python-setuptools
- sudo easy_install pip
- sudo pip install python-dateutil



Issues Starting?

- Look at the log files with gedit. One one system in the class we had an additional dependency to install.
- First log file is here:
- gedit seiscomp3/var/log/fdsnws.log
- Second one is here: (note the period in front of seiscomp3)
- gedit .seiscomp3/log/fdsnws.log



FDSN Web Page

You can take a look in your web browser to see that your web service is running

SeisComP3 FDSNWS Implementation - Mozilla Firefox

fdsnws — SeisComP3 J... × SeisComP3 FDSNW... ×

↑

i localhost:8080/fdsnws/

SeisComP3 FDSNWS Web Service

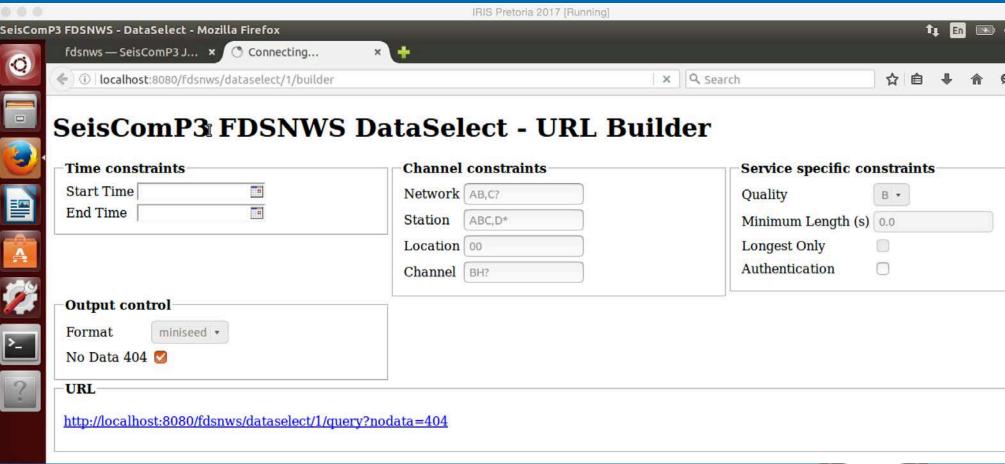
Index of /fdsnws/

- dataselect/
- station/
- event/





DataSelect URL Builder





fdsnws — SeisComP3 J... ×





file:///home/sysop/seiscomp3/share/doc/seisco

Q Search

Filtering the inventory

The streams served by the <u>Station</u> and <u>DataSelect</u> service may be filtered by specified an INI file in the stationFilter and dataSelectFilter configuration parameter. You may use the same file for both services or define a separate configuration set. **Note:** If distinct file names are specified and both services are activated, the inventory is loaded twice which will increase the memory consumption of this module.

```
[Chile]
code = CX.*.*.*
[!Exclude station APE]
code = GE.APE.*.*
[German (not restricted)]
code = GE.*.*.*
restricted = false
shared = true
archive = GFZ
```

scconfig fdsnws

