

sysop User

- SeisComP3 is typically run under a non-personal shared unix user account, 'sysop'. Create this user on your system.
- For example, as the 'root' user:
 - # adduser sysop
 - # passwd sysop
 - For this class we'll use `sysop' as the password for the user sysop but you should use a stronger password on your own system.
- Give the user super-user capabilities, used for the installation, in Ubuntu this should do it:
 - > # usermod -aG sudo sysop
- At this point, log out of your system, and log back in as the user sysop.

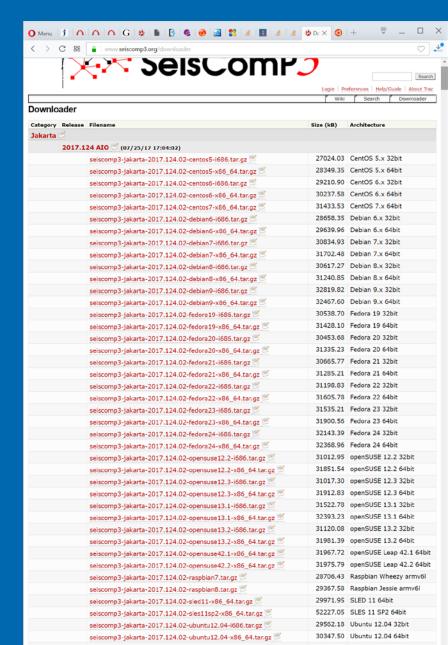
Acquire a License Key

- First you need to visit
- https://www.seiscomp3.org/wiki/license
- The SeisComP Licenses
- The text of the SeisComP licenses can be downloaded as PDF from GFZ.
- Please fill in the required fields in the PDF document, print it out, have it signed by a representative of your institution and send a scan of the signed document to us by e-mail to geofon@gfz-potsdam.de
- Upon our acceptance of the license agreement we will send you the key files required to run those programs covered by the SeisComP Binary License. In order to learn more about the user community, we would appreciate if you could briefly describe how you learned about SeisComP and the intended use.

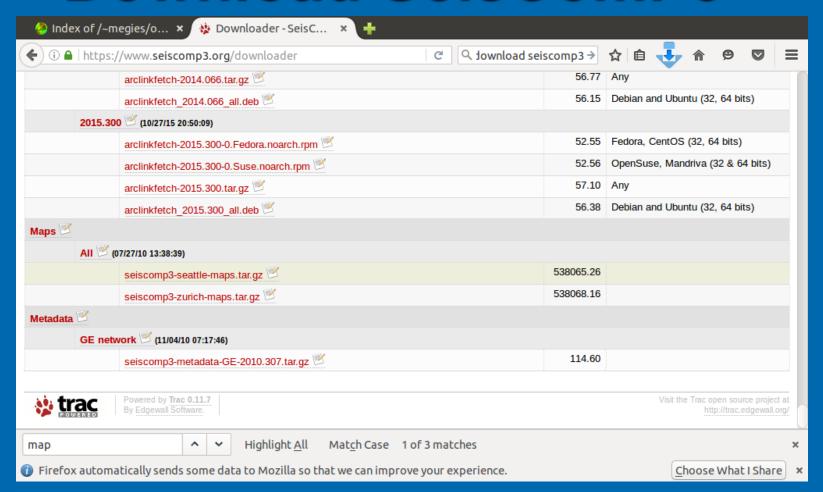
Download SeisComP3

Next find out if your server is 64 bit (x86_64) or 32 bit (i686), find out what your flavor of Linux is, and go download the appropriate SeisComP3 compiled version from here. Install the latest – Jakarta 2017:

https://www.seiscomp3.org/wiki/download



Download SeisComP3



- You'll also want to download the maps. The maps for Seattle work with Jakarta. (Scroll down to the bottom of the page.)
- Get the documentation while you're at it. The docs for the 2016 version of Jakarta appear to be the latest.

Unpack your download

For example

```
$ cd ~
```

\$ tar xf Downloads/seiscomp3-jakarta-2017.124.02-ubuntu14.04-i686.tar.gz

This should create a directory called seiscomp3 in sysop's home directory. Now do the maps:

```
$ tar xf Downloads/seiscomp3-seattle-
maps.tar.gz
```

```
$ tar xf ~/Downloads/seiscomp3-jakarta-
2016.333-doc.tar.gz
```



Dependencies

Install dependencies for your system. You can do this via:

\$ ~/seiscomp3/bin/seiscomp install-deps base
mysql-server gui

You may need to enter your password, and the assumption is your user has 'sudo' privileges.

Respond with 'y' if asked if you want to continue.

Set the MySQL root password to something you'll remember. (On the virtual machine for the course, the password is 'sysop')

Alternate Method Dependencies

If the seiscomp install-deps didn't work for your system, you'll need to do this as the root user, or you'll need to use 'sudo' to act as root. For example

sysop@ubuntu14: ~/seiscomp3/share/deps/ubuntu/14.04

Respond with 'y' when asked if you want to continue.

Alternate Method Dependencies

Now install the gui dependencies

```
$ sudo ./install-gui.sh
```

Continue to install database dependencies.

```
sudo ./install-mysql-server.sh
```

Set the MySQL root password to something you'll remember. (On the virtual machine for the course, the password is 'sysop')



MySQL

The official installation guide suggests making some optional changes for MySQL/MariaDB

https://docs.gempa.de/seiscomp3/current/base/installation.html

For better performance with a MySQL database, append the following parameters to the MySQL config file

```
innodb_buffer_pool_size = 64M
innodb_flush_log_at_trx_commit = 2
```

For example on Ubuntu 14:

```
$ sudo gedit /etc/mysql/my.cnf
```



Initial Configuration

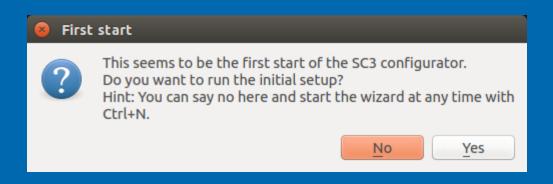
- The scconfig tool has a graphical user interface, and a Wizard which will help you with your configuration the first time you run scconfig. You might run scconfig like:
- \$ ~sysop/seicomp3/bin/seiscomp exec scconfig
- But, don't do that, follow the instructions on the next informational page to do it as a single command.



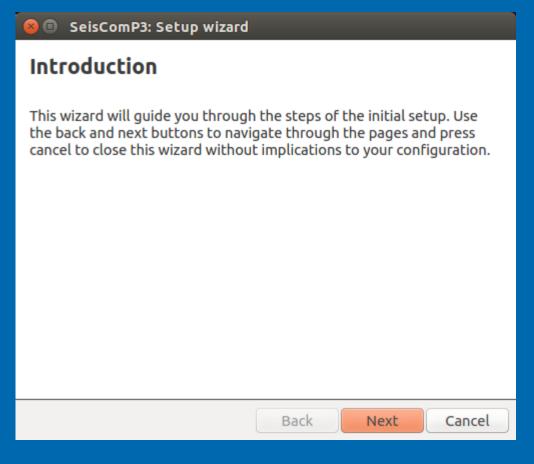
Environment Tweak

- > \$ source ~/.bashrc

- Now launch scconfig just by typing its name in any directory:
- \$ scconfig
- You should see the following, click YES:



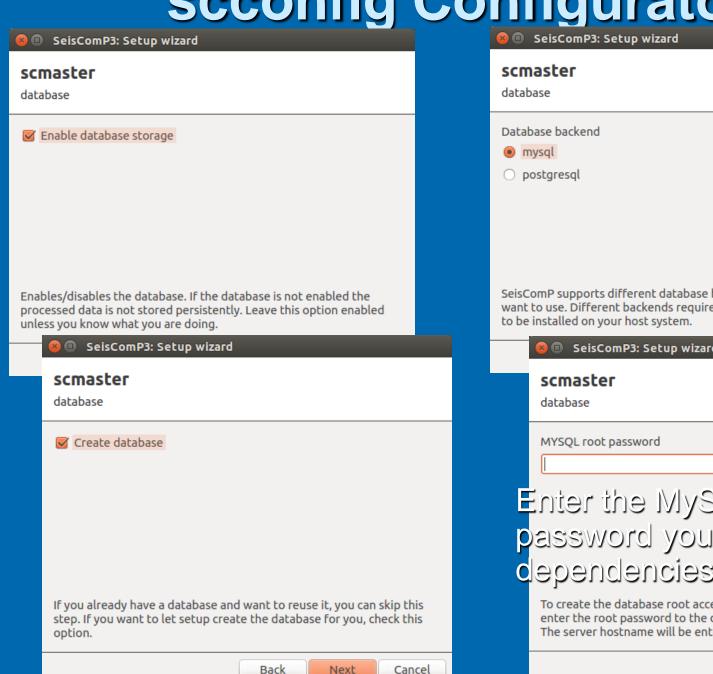


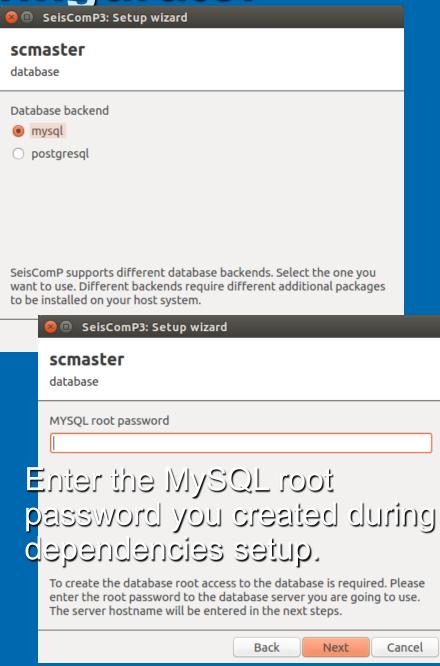


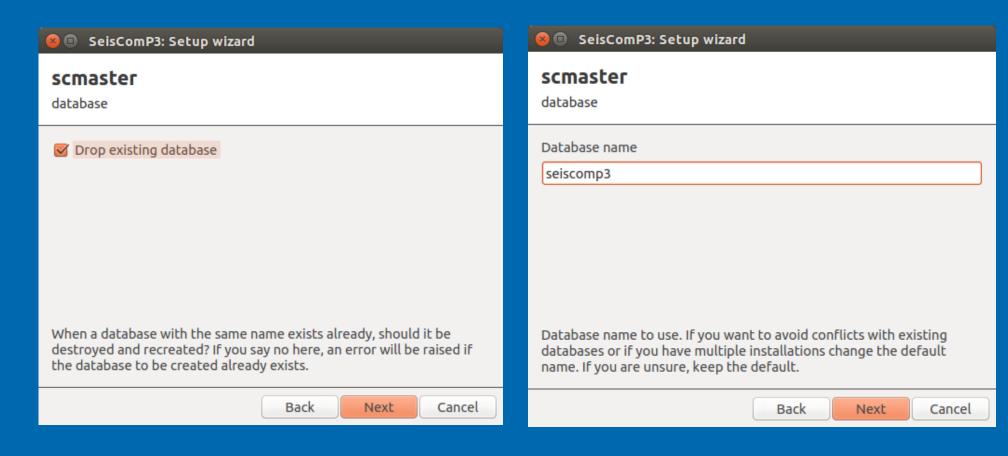
- Enter your organization name for
- Agency ID
- Datacenter ID and
- Organisation String

For example "ISTI" And YES, enable Database storage

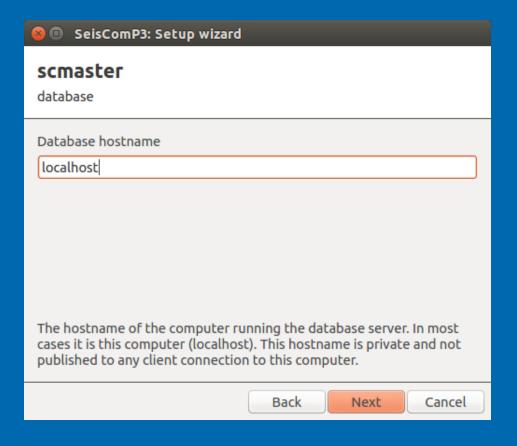




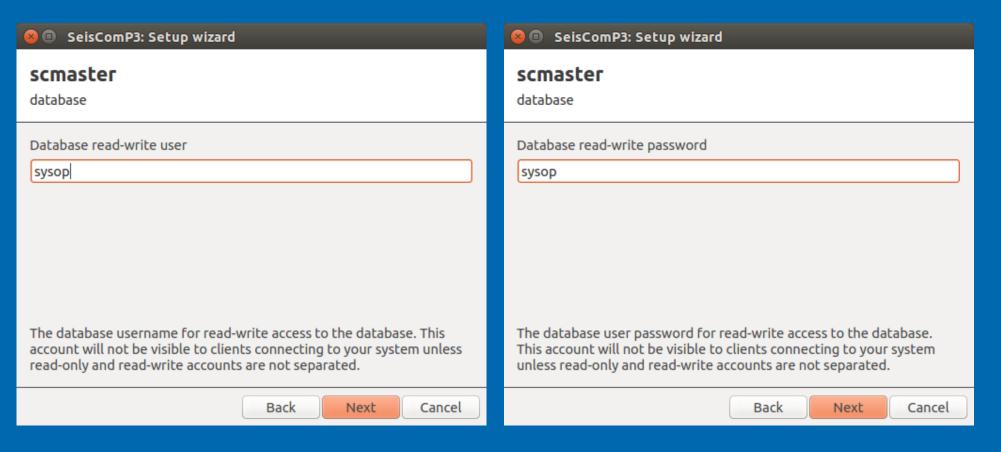




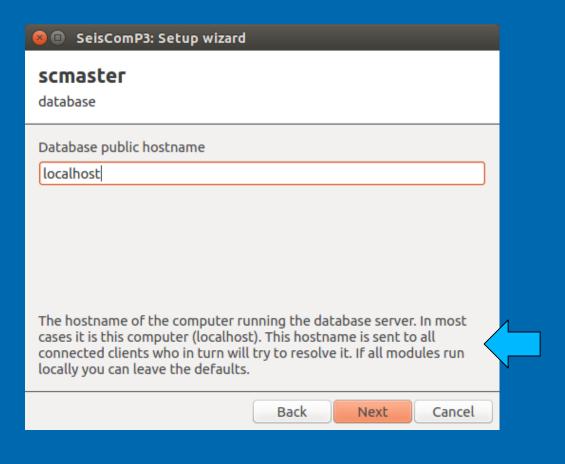




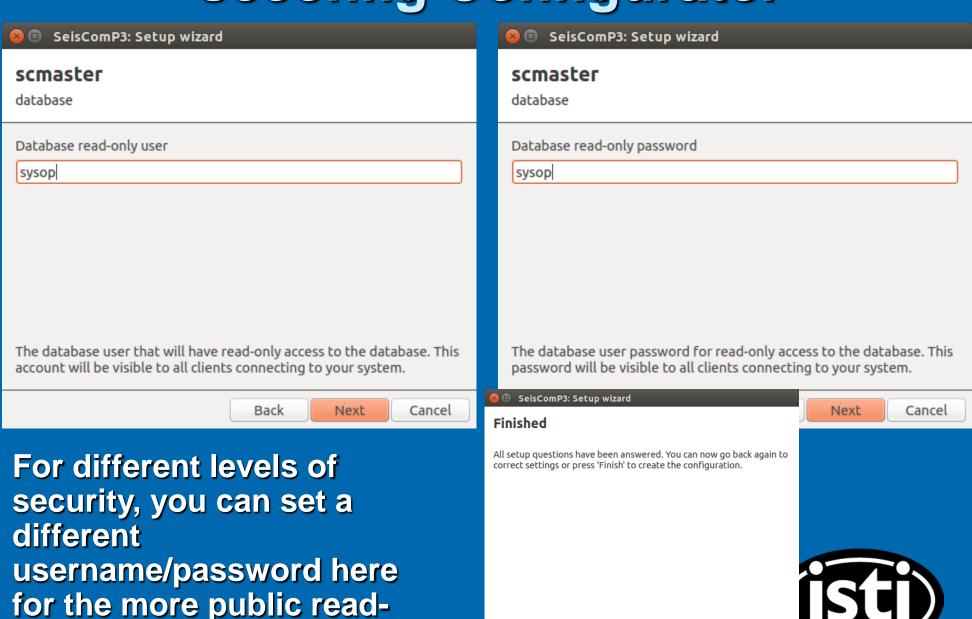




Note these passwords and usernames are different than your unix login and password.



Read the note here. If you're installing a server, and other people at your organization will connect to the server with GUIs or other modules, this must be an address that they can get to. For example 192.168.1.100 for an internal network IP. For a standalone system 'localhost' is OK



Back

Finish

Cancel

only access.

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

