

Intro to Netsoc
Dário Tavares Antunes
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What we do

Services:

- Web hosting
- IRC
- Mail (:0c:\n!
<email>)
- Storage
- Events
- Room:
 - Computers
 - Library

· Tutorials:

- Using Linux
- Web development
- Shell Scripting
- Programming Languages
- Scripting Languages
- Security
- Dev. tools
- Linux server admin
- Help with projects (get on IRC!)



Today

- Log into our servers
- Set up tmux



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- Log into our servers
- Set up tmux
- Set up IRC
- Set up webspaces
- Show X2Go
- Play some netris!
- Pub!

@ Do you have an account?

- Yes:

- Have you created your user? (Check your email)

- No:

- €2 to get all the lovely things we talked about
-



Our servers



Spoon



Cube



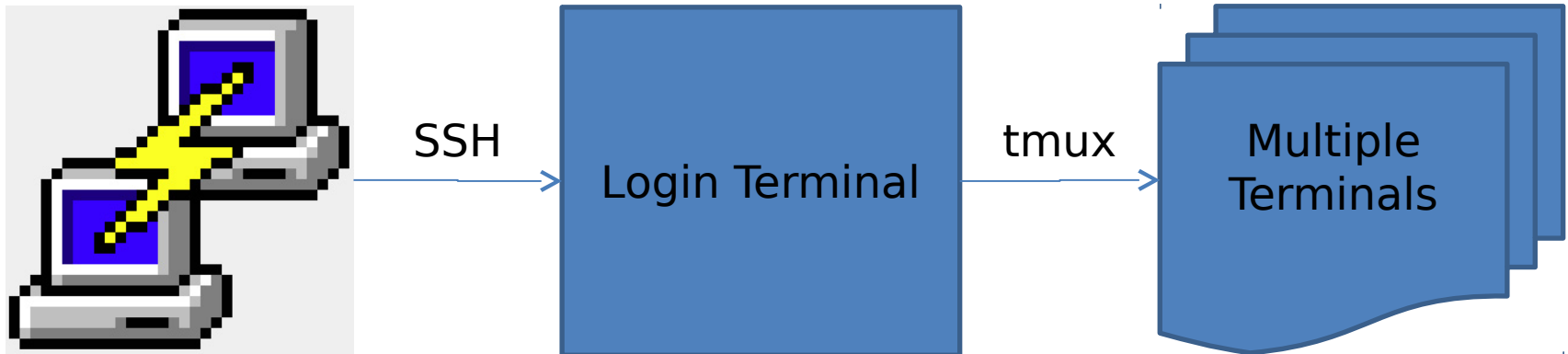
SSH

- We connect to our servers using a protocol called Secure Shell (SSH)
- On windows, we use PuTTY as the client
- Linux/Mac has OpenSSH (ssh command)
 - Eg. `ssh user@cube.netsoc.tcd.ie`



We're in!

- Now, we start up tmux, a terminal multiplexer



We run all our programs within tmux

- “Saves your workspace”



Tmux commands

To start tmux: `tmux`

- To detach from tmux: `C-b d`
- To reattach: `tmux a -d`
- To list tmux sessions: `tmux list-sessions`
- To create new window: `C-b c`
- To scroll between:
 - `C-b <number>` - Switch to window `<number>`
 - `C-b p` - Switch to previous window
 - `C-b n` - Switch to next window
- To view a list of windows: `C-b w`
- Many other commands (name windows, split windows, etc.)



IRC

- Internet Relay Chat
- Old – born in 1988
- Still very active
- Places like:
 - freenode.org for FOSS development
 - gamesurge.net for games
 - Many other
- Netsoc is peered with UL, DCU, UCC, and DIT in the 'Intersocs' network



IRC in Netsoc

- Open up a new tmux window and type chat
- This will:
 - Set up a few things in the background
 - Start the IRC client irssi
 - Connect you to #netsoc, the Netsoc channel in the intersocs network. (the people with an @ in front of their name are committee/sysadmins)
- ...ignore the trolls ;)



Irssi Commands

- `/j #channel` will join `#channel` (try `#intersocs`)
- `/wc` will close the window, leaving that channel
- To change window:
 - `/window <number>` will go to window `<number>`
 - `Alt-a` will move your window to one that has activity
 - `Alt-<number>` will go to window `<number>`
 - `Alt-Left Arrow` will move to next window (simil. for right)
- `/nick <name>` will change your nickname to `<name>` (max 9 characters)



More Irssi

- `Alt-p` will scroll back the chat logs
- `Alt-n` to scroll forwards
- `/lastlog <text>` will search your scrollbar for `<text>` and display it to you
- `/lastlog -clear` clears the lastlog pane
- `/list` will list all channels into window 1
- `/help [command]` will show you information on commands



Setting up webspaces

- Must be on cube
- Open up new tmux window
- Run `setup_webspaces`
- Agree WAUP
- You now have a website at `<username>.netsoc.ie`
- On cube, the site root is `/srv/webspaces/<username>`
- You can use Swish/FileZilla/any SFTP program to remotely access your files
- PHP and MySQL enabled (see wiki for more)



X2Go

- Remote desktop application set up on cube
- Uses SSH to log in
- Choose MATE desktop
 - Others are available, and some can be installed if you like
- Portable installation, follow instructions on website
- Clipboard works*
- You can suspend your session too!

*Clipboard not always guaranteed to work; depends on alignment of stars



Netris

- Left j
- Right l
- Rotate k
- Drop down <space>
- To create a game and wait: `netris -c localhost`
- To play on someone's game: `netris -w`
- On spoon, just type `play`
- See the high scores (on spoon) with: `netris-scores`
- To (rage)quit, do `C-c`



Pub Time!

- Feel free to ask me or other committee questions here, on the way to the pub or in the pub!

Now, time for platters!