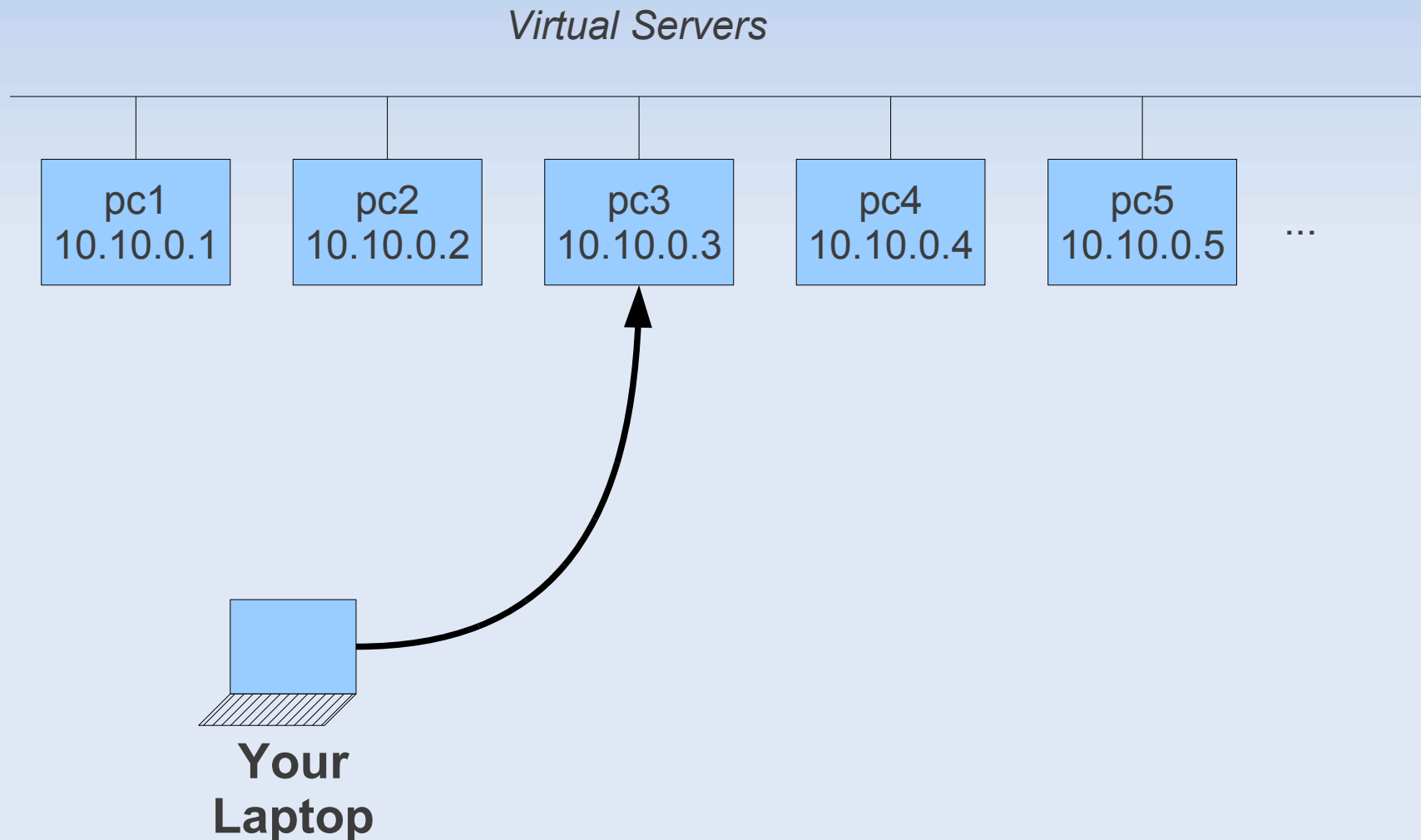


The Network Management Lab



Our chosen platform is:

- Ubuntu Linux, server edition, 32-bit, 10.04 LTS
 - Not using GUI, administer using command line
 - In production you may prefer 64-bit (x86_64)
 - LTS = Long Term Support release
- There are other platforms you could use
 - CentOS / RedHat, FreeBSD, ...
- This isn't a Unix admin course
 - Worksheets are step by step
 - Please help each other or ask us for help

You need to be able to...

- Login using ssh
 - putty.exe (Google for "putty ssh")
 - connect to "pcX.ws.nsrc.org" (or 10.10.0.1-24)
- Be root when necessary: `sudo <cmd>`
 - "sudo bash" for root shell, ctrl-D to exit it
 - You'll see # prompt for root, \$ for normal user
- Install packages
 - `sudo apt-get install joe`
- Edit files
 - `[sudo] joe /etc/motd.tail`

joe editor

- Ctrl-C to quit without saving
- Ctrl-K X to quit and save
- Ctrl-K H for help
 - There's a reminder on the top row!
- Cursor keys work how you expect them!
- There's a quick reference PDF in the materials

Other tools

- Terminate foreground program: ctrl-C (not Z)
- Rename and delete files
 - `mv file file.bak`
 - `rm file.bak`
- Start and stop services
 - `/etc/init.d/apache2 restart`
 - `service apache2 restart`
- Show running processes
 - `ps auxww | grep apache`

Please now:

- Login to your virtual server using ssh
- Install package 'joe'
 - `sudo apt-get update`
 - `sudo apt-get install joe`
- Create a file for the "message of the day" to identify your machine as yours
 - `sudo joe /etc/motd.tail`
 - (Feel free to use vi or nano or pico or whatever)
- Log out and login again