

What was our goal?

- There were several:
 - Build VM and install Ubuntu
 - Set up a LAN
 - Set up NIS
 - Set up NFS
 - Able to start Project 5

How far are we along with that goal?

- Some people on Project 4
- Some people finished and moving on to 5 and 6
- Some trying to access VMs remotely
- Trying to work out issues related to VM creation/earlier stages
- Some people going back to previous projects for corrections

What have we accomplished?

- Installation
- Set up LAN
- Installed NIS
- Starting to get Networked File Systems working

What are we still lacking?

- Home directory issue
 - Some people's home directories are not mounting properly when they log in
- SSH remote access
 - Though a fix has been posted in the Google group
- Some information in admin logs
- Limited communication with partners

What helped us in this process?

- Learning how to configure a VM
- Reinstallations helped as practice
- Asking people from other groups what worked (or did not work) for them
- Troubleshooting online
 - Google!
- Previous professors/sys. admins

What hindered us?

- IT20 being down/under-functional
- Class environment –
 - More work on machines and less communication
- All the little specificities
- Learning new terms -- takes time
- Learning names of configuration files

What things were under our control?

- Internet connections
 - When needed, we could change config to access WWW
- Google group and HipChat - could communicate with each other
- Google searches on error messages
- Initial stages of set up
 - WE built our VMs from the ground up

What things were not?

- Fire drill
- IT20 being down
- Scheduling issue -- courses overlapping
- Problem on physical machine IT27
- People in other classes switching to LHS without switching back to RHS

Of the things out of our control, how did we address those?

- IT20 - Switching network configurations
- Overlapping courses - shuffling
- IT27 - Switching to a new machine

Of the things we could control, how did we work?

- Research error messages/solutions
- Talk to classmates
- Talk to instructor

What worked well?

- Finding an SSH fix
- Getting help from Prof. Bird
- Getting MAC addresses into dhcpd.conf
- Getting user accounts set up

What could be improved?

- NOTE: Some things may be more feasible than others!
 - Alternative IT system for use in case IT20 fails again
 - LHS/RHS issue -- simplify?
 - Double check with department regarding scheduling
 - Way to connect to VMs by either RHS or LHS

How do we move forward?

- Implement SSH fix
- Everyone get latest versions of it20's **/etc/auto.home**
 - Can use this command:

```
sudo scp it341@it20:/etc/auto.home /etc/
```
- Make sure your VM has an account sysadmin with sudo privileges
- Make sure your home directory is mounting at login