**Proxmox HA**

Add one more instance of proxmox. So, by this time, you would have a total of 3 instances of proxmox and one instance of Ubuntu that is running as your nfs server. We need 3 instances in order to do High Availability. If you don’t think that you have enough good hardware to run a third instance of proxmox, just virtualize it on your existing proxmox instances.

1. Enable HA on proxmox. Choose a vm to have HA.
2. Make sure that if a node in your cluster fails, that your vm will restart on another node (this takes around 3 minutes).
3. Create a template
4. Clone 3 virtual machines from your template. You should have the following setup:
5. (vm1) on vlan 320 (this isn’t trunked so no need to tag). You should add a second nic to this vm in proxmox (virtual nic). Configure one interface with ipv4 address and one with ipv6.
6. (vm2)Do the same as the previous step but in vlan 321
7. (vm3)Do the same as the previous step but in vlan 322

See earlier assignment for ip allocation.

**Helps**

- The nfs iso share is at [144.38.192.167:/vol/student_vm/qemu/iso](mailto:144.38.192.167:/vol/student_vm/qemu/iso)

**To Pass off**

Prove that you have done everything. Demonstrate that each vm can ping the gateway.