ESXI Distributed switches and HA

Description

By the end of this project you should have:

- A distributed switch that spans each node in your cluster
  - Portgroups for each of the 3 vlans (320, 321, 322)
- 6 different virtual machines
  - one using ipv4 in vlan 320
  - one using ipv4 in vlan 321
  - one using ipv4 in vlan 322
  - one using ipv6 in vlan 320
  - one using ipv6 in vlan 321
  - one using ipv6 in vlan 322
  - Use the cloning function for this
- Configure vSphere HA
  - A VM should reboot upon host failure or isolation
- Configure DRS
  - VM migration should be fully automated
- Create a VM/Host rule such that 2 of your machines (of your choosing) always run together on the same host.
- Add a VM override such that for a particular vm (of your choosing) will not use the cluster automation levels but will use [manual].

| Vlan 320 = ipv4: 10.150.x.y/16, ipv6: 2001:1948:10:2270::1/64 |
| Vlan 321 = ipv4: 10.160.x.y/16, ipv6: 2001:1948:10:2271::1/64 |
| Vlan 322 = ipv4: 10.170.x.y/16, ipv6: 2001:1948:10:2272::1/64 |

To Pass off

Prove that you have done it. We will pass this off in class.