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].

<table>
<thead>
<tr>
<th>Vlan 320</th>
<th>ipv4: 10.150.x.y/16, ipv6: 2001:1948:B10:2270::1/64</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vlan 322</td>
<td>ipv4: 10.170.x.y/16, ipv6: 2001:1948:B10:2272::1/64</td>
</tr>
</tbody>
</table>

To Pass off

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