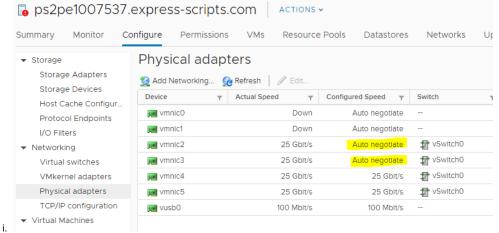
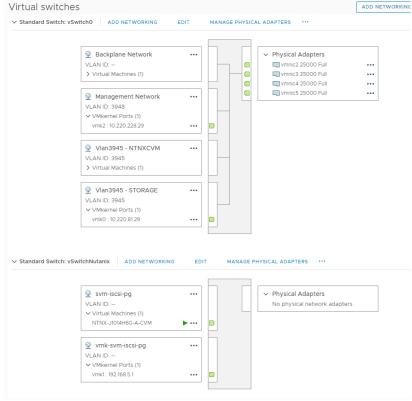
ESXi - Nutanix - Build Information

- 1. Add hosts to vCenter
 - a. vCenter 7.0 allows for multiple hosts to be added at a time
 - i. Right click on your new cluster and select "Add hosts" and follow the prompts
- 2. Check to validate all NICs are in an up state with the speed being defined
 - a. Should an adapter be in an Auto-Negotiate state, contact network support

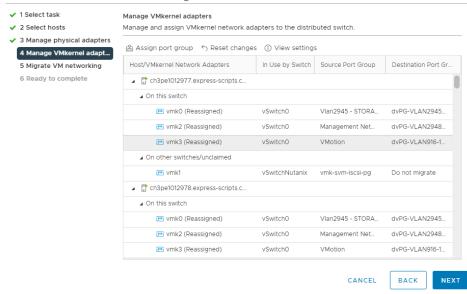


- 3. Place hosts into Maintenance Mode
 - a. This will require powering down the CVM VMs if powerd on
- 4. Nutanix nodes come with a two standard switches, one for backend storage and another for everything else (mgmt, vmotion, VM traffic



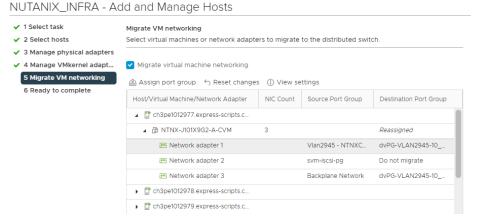
- b. ***DO NOT TOUCH THE SWITCH LABELED "vSwitchNutanix"***
- 5. Add hosts to dVswitches
 - a. Hosts should be added to:
 - i. Nutanix_INFRA
 - 1. vmnic2 & vmnic4
 - ii. ACI_Nutanix_VDI
 - 1. vmnic3 & vmnic5
 - b. VMKernels should be added as
 - i. vmk0 (Storage vmk) CH3 dvPG-VLAN2945 | PS2 dvPG-VLAN3945
 - ii. vmk1 (Nutanix vmk) SKIP and leave on vSwitchNutanix standard switch (This will have no uplinks)
 - iii. vmk2 (MGMT vmk) CH3 dvPG-VLAN2948 | PS2 dvPG-VLAN3948
 - iv. vmk3 (vMotion vmk) CH3 dvPG-VLAN916 | PS2 dvPG-VLAN816

NUTANIX_INFRA - Add and Manage Hosts



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- c. Migrate Virtual Machine Networking of CVMs
 - i. Network Adapter 1 Assign to Port Group CH3 dvPG VLAN2945 | PS2 dvPG-VLAN3945
 - ii. Network Adapter 2 Do not Migrate
 - iii. Network Adapter 3 Assign to Port Group CH3 dvPG VLAN2945 | PS2 dvPG-VLAN3945



- 6. Move the hosts into their designated cluster(s)
 - a. If adding hosts to multiple clusters, the hosts must be balanced across racks to prevent SPOF
- 7. Launch Powercli or Powershell from your desktop
 - a. run the following commands:
 - i. connect-viserver <VC-FQDN>
 - 1. Enter credentials
- 8. Configure syslog from Powercli
 - a. Get-Cluster <NameofNewCluster> | Get-VMHost | Set-VMHostSysLogServer -SysLogServer 'udp://10.222.226.31:514'
- 9. Configure NTP from Powercli
 - a. Get-Cluster <NameofNewCluster> | Get-VMHost | Add-VMHostNtpServer -NtpServer 10.222.11.100, 10.221.11.100
 - b. Apply Host profile
 - c. Validate the Coredump, Syslog, and power settings
- 10. Create Nutanix Cluster
 - a. THis will require all CVM IPs
 - i. Example: cluster --svm_ips=10.220.80.60,10.220.80.58,10.220.80.50,10.220.80.70,10.220.80.71 --redundancy_factor=3 create
- 11. Configure Cluster settings (Name, VIP, NTP, DNS)
- 12. Join Prism Element to vCenter
- 13. Join Prism Element to Prism Central
- 14. Upgrade AOS if applicable
 - a. Perform NCC upgrade as well
- 15. License the cluster
 - a. This is done via the Nutanix portal
- 16. Delete the default storage container
- 17. Enable encryption
 - a. Download the encryption key and add to CIFS share
 - b. \\ps2nas\Microsoft Server Support\Nutanix
- 18. Create the Storage container
- 19. Set Password standards

- a. Change all CVM passwords to standardb. Change all ESXi passwords to standard