Enabling Jumbo Frames on CISCO UCS blades

Jumbo Frames setting can enable from UCS manager and no need to do from windows end..

You need to make 3 changes:

- Set the System Class MTU to 9216
- Create a QoS policy for the MTU
- Set the vNIC to have 9000 MTU and QoS policy you have created

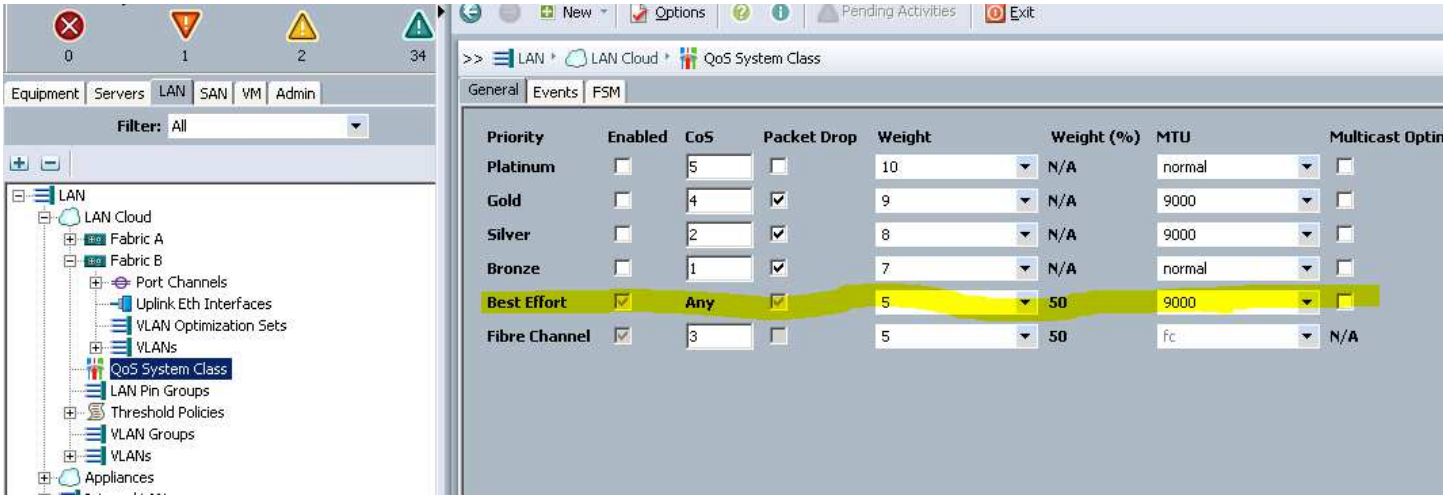
To add, there is no need to configure MTU from inside of Windows only on the UCS.- No need to do any changes from windows end

To configure Jumbo Frames on UCS it is done as a QoS policy and the configuration guide is in the link below:
http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-2/b_UCSM_GUI_Configuration_Guide_2_2/configuring_quality_of_service.html

Whilst you are planning to use Hyper-V as your OS, the following configuration guide is quite useful to understand which components on the UCS you need to configure to enable Jumbo Frames:
http://www.cisco.com/c/en/us/support/docs/servers-unified-computing/ucs-b-series-blade-servers/117601-configure-UCS-00.html

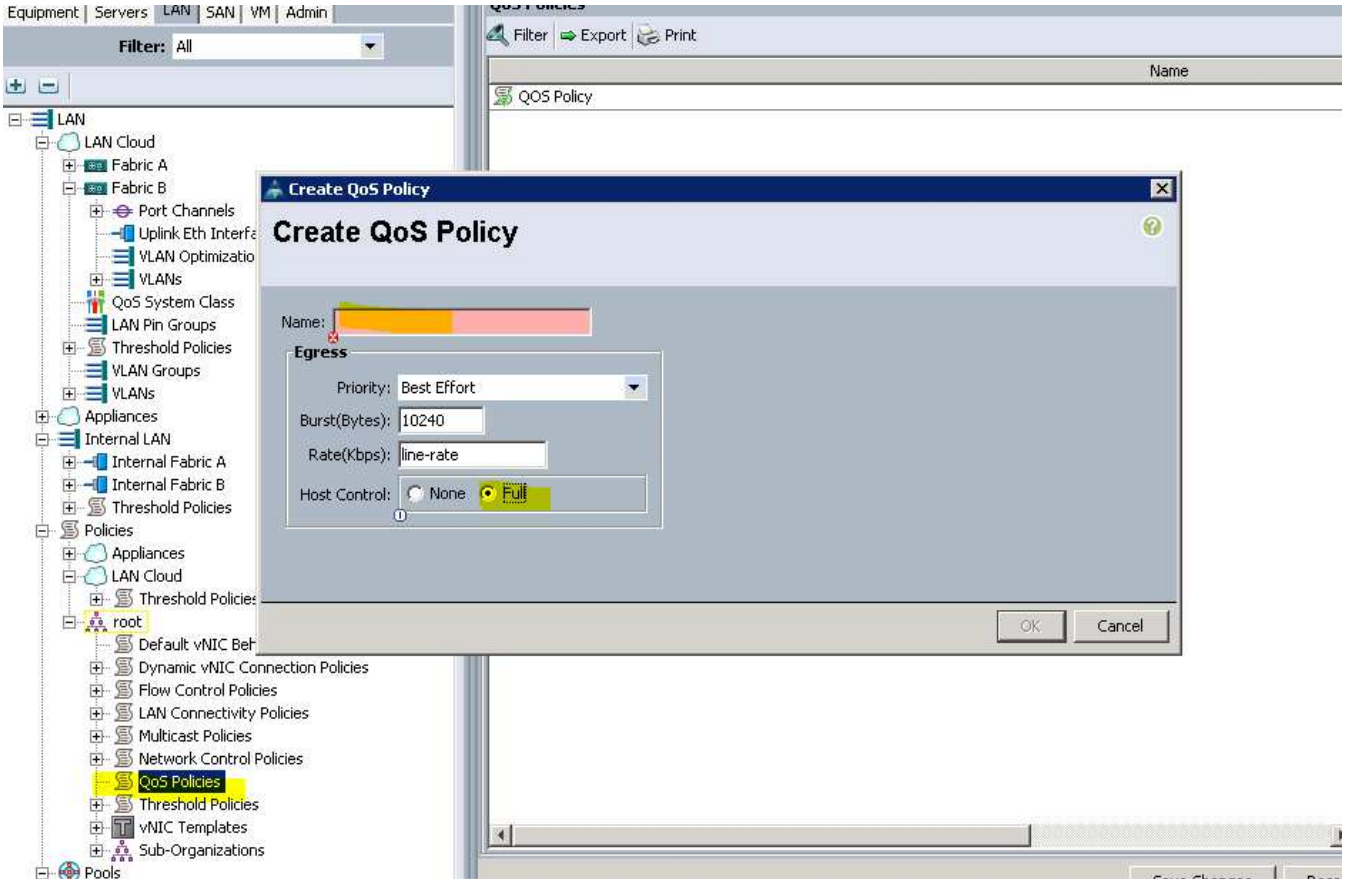
Screenshots

QOS System Class: Changing MTU value from 9000 to **9216**



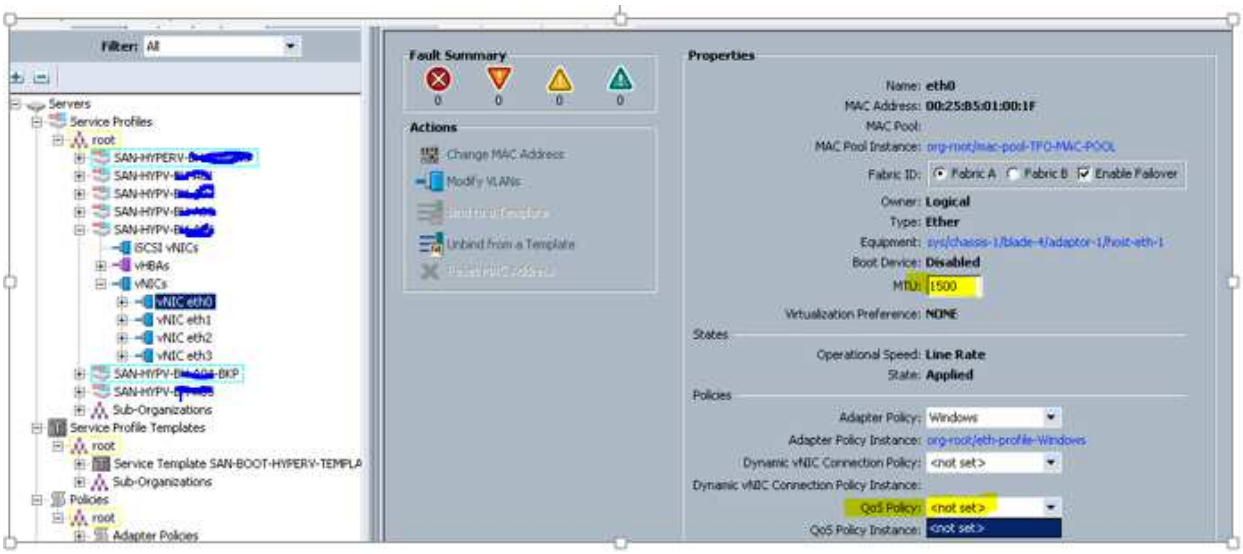
Create QOS Policy as below

Put name : " …" and change Host control to "FULL" as highlighted



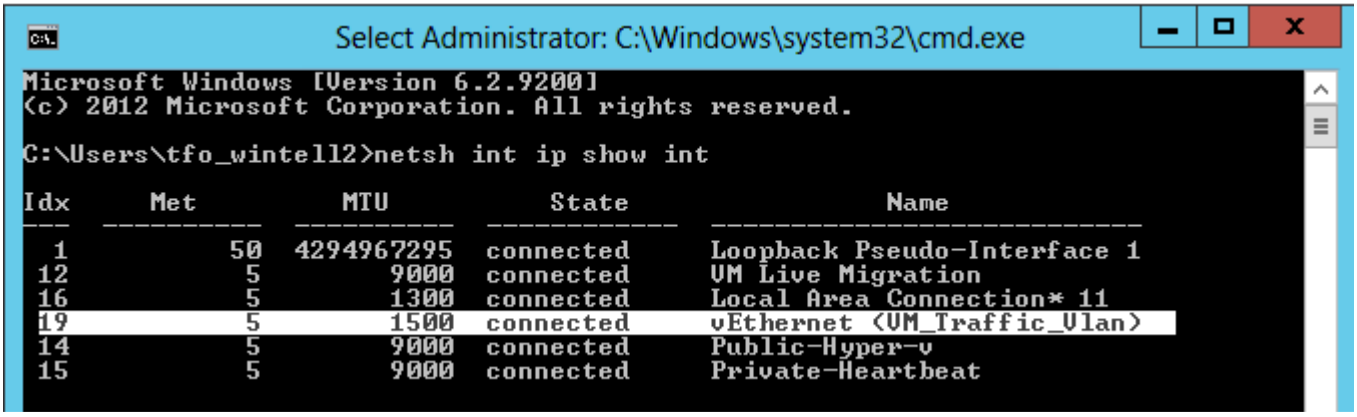
Go to Servers -> Select Server -> Select any vNIC

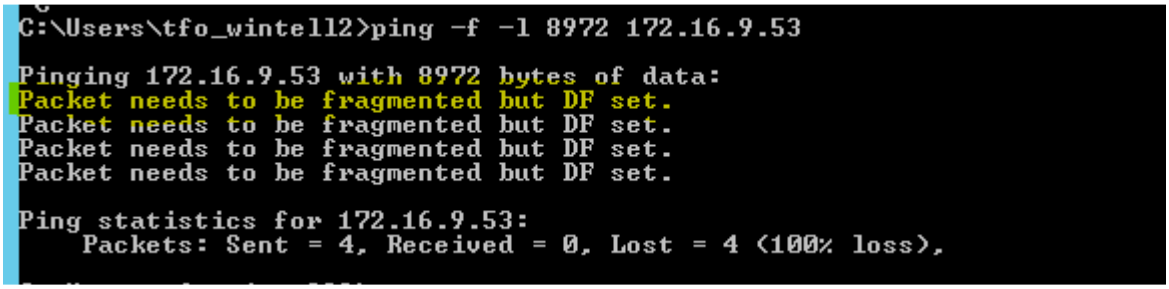
Change MTU Value from 1500 to 9000 and Select QOS Policy which you created in above screen shots(Highlighted)

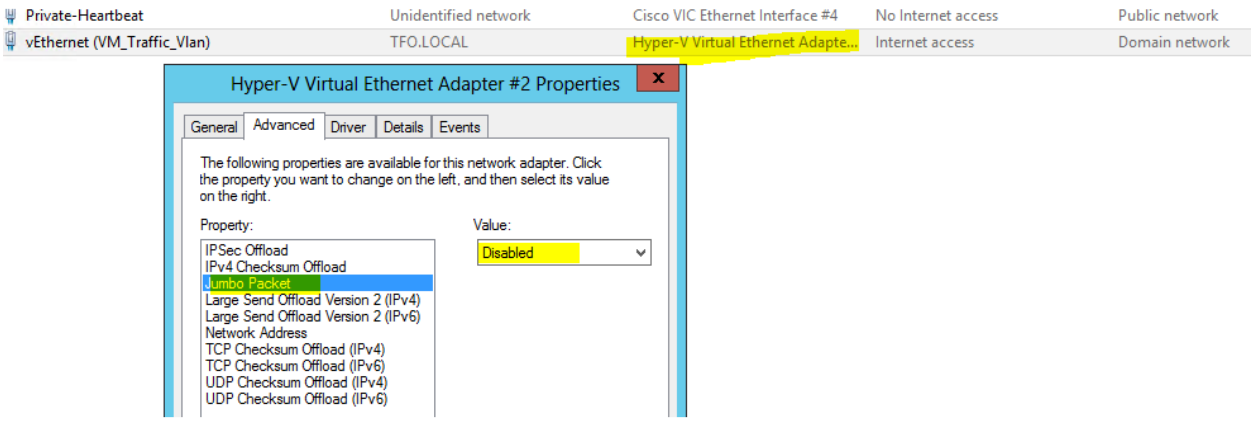


DON'T DO ANY CHANGES from windows end

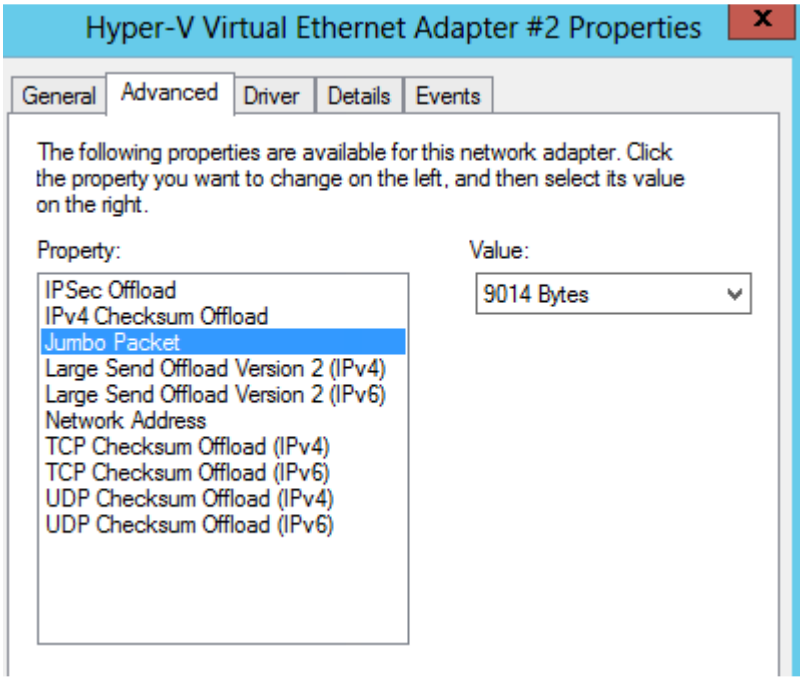
Tested like below



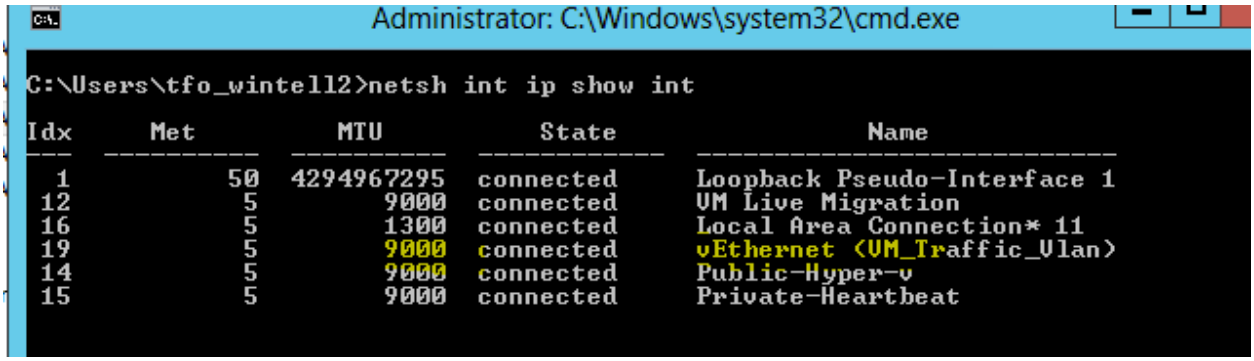


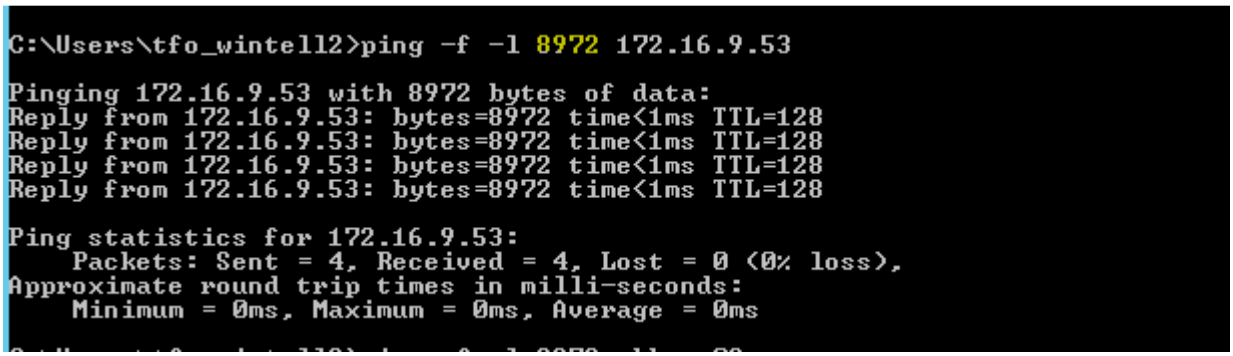


So ,now Enabled Jumbo Frames on Hyper-v Adapter
After enabling



Tested Ping


Administrator: C:\Windows\system32\cmd.exe
C:\Users\tfo_wintell2>netsh int ip show int
Idx Met MTU State Name
1 50 4294967295 connected Loopback Pseudo-Interface 1
12 5 9000 connected VM Live Migration
16 5 1300 connected Local Area Connection* 11
19 5 9000 connected vEthernet (VM_Traffic_Vlan)
14 5 9000 connected Public-Hyper-v
15 5 9000 connected Private-Heartbeat


C:\Users\tfo_wintell2>ping -f -l 8972 172.16.9.53
Pinging 172.16.9.53 with 8972 bytes of data:
Reply from 172.16.9.53: bytes=8972 time<1ms TTL=128
Reply from 172.16.9.53: bytes=8972 time<1ms TTL=128
Reply from 172.16.9.53: bytes=8972 time<1ms TTL=128
Reply from 172.16.9.53: bytes=8972 time<1ms TTL=128
Ping statistics for 172.16.9.53:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms