Appendix

FlexPod Datacenter with Citrix XenDesktop 7.1 and Citrix XenServer 6.2

June 2014

Appendix A XenServer Performance Charts for 2000 Session Run

This section details the data for twelve server blades.

Figure 1 B200-CH3-BL02 CPU Utilization

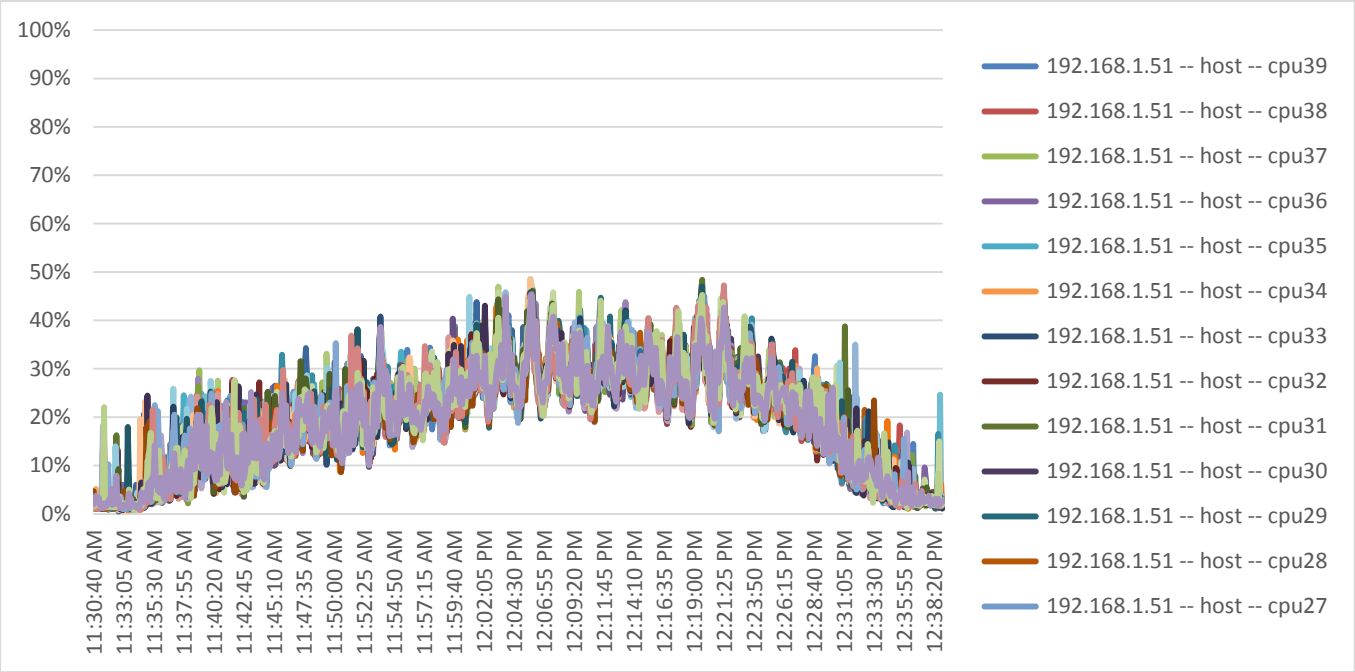


Figure 2 B200-CH3-BL02 Memory Utilization

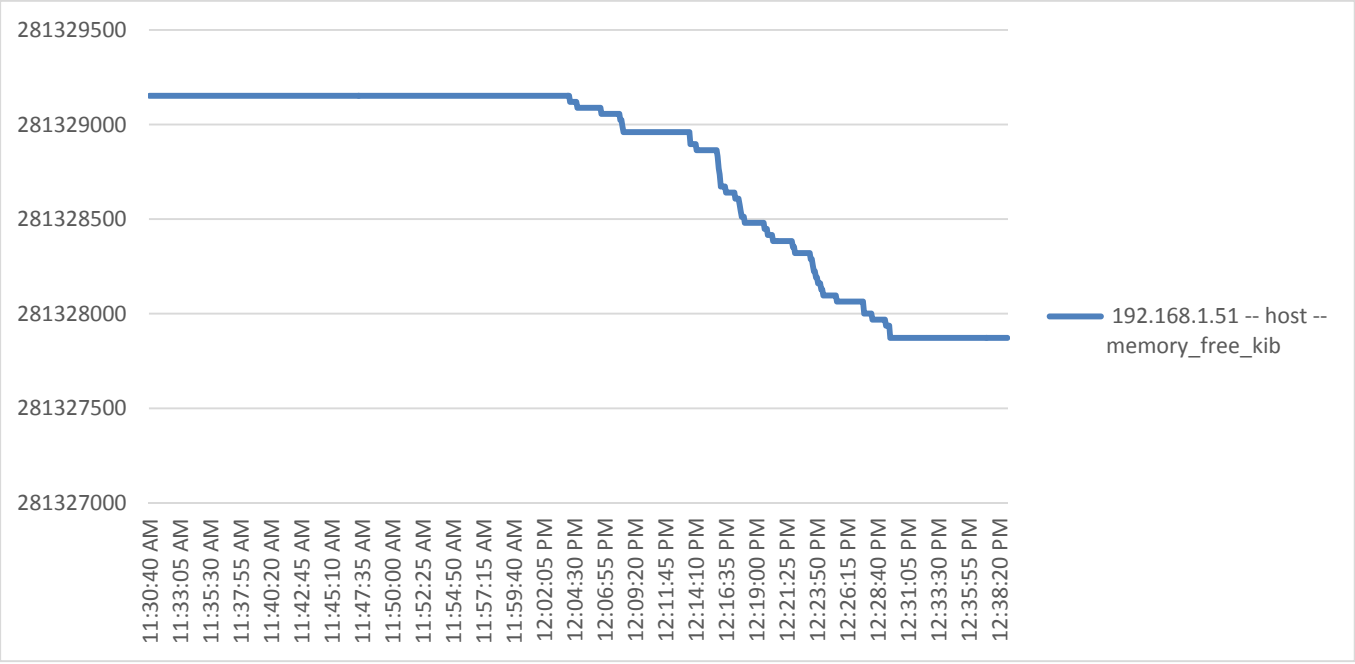


Figure 3 B200-CH3-BL02 Network Utilization

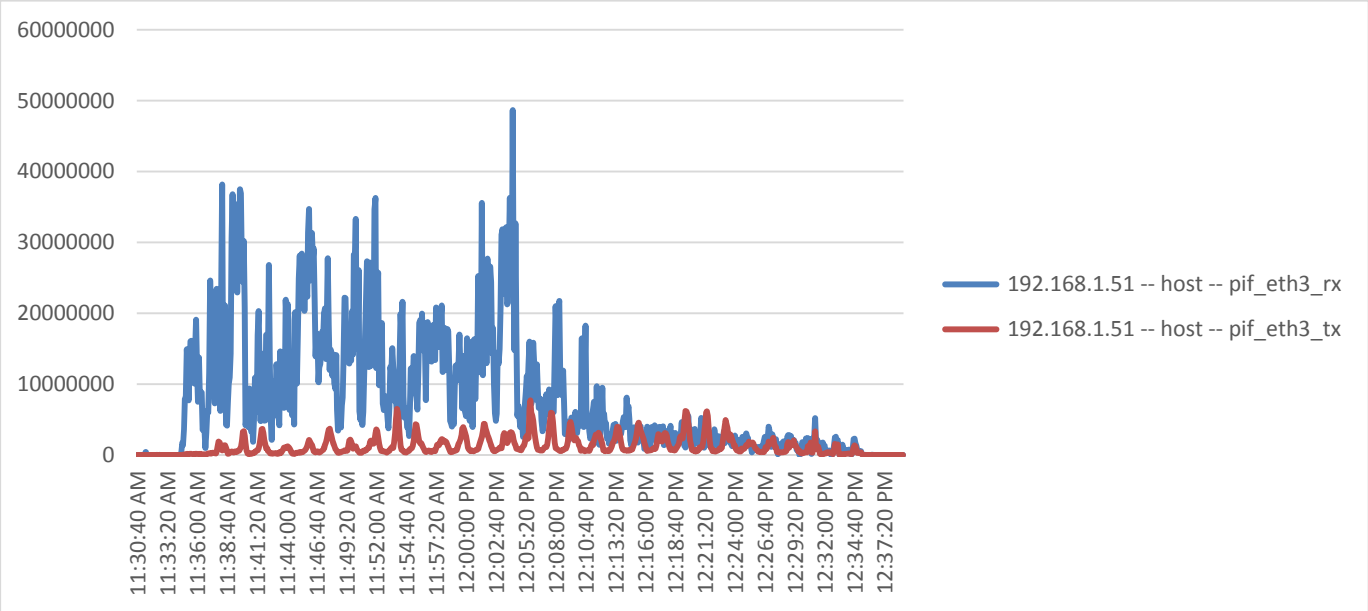


Figure 4 B200-CH3-BL03 CPU Utilization

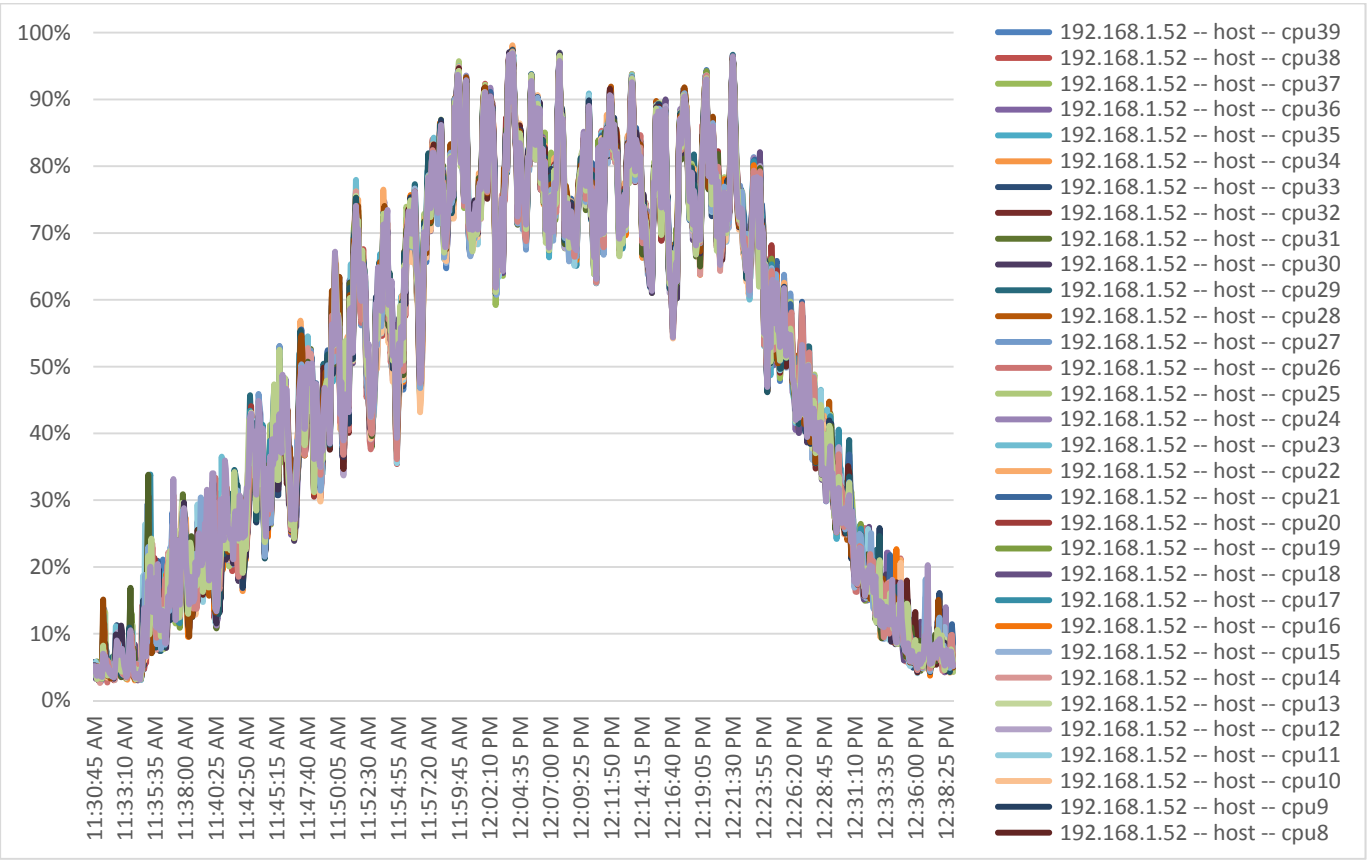


Figure 5 B200-CH3-BL03 Memory Utilization

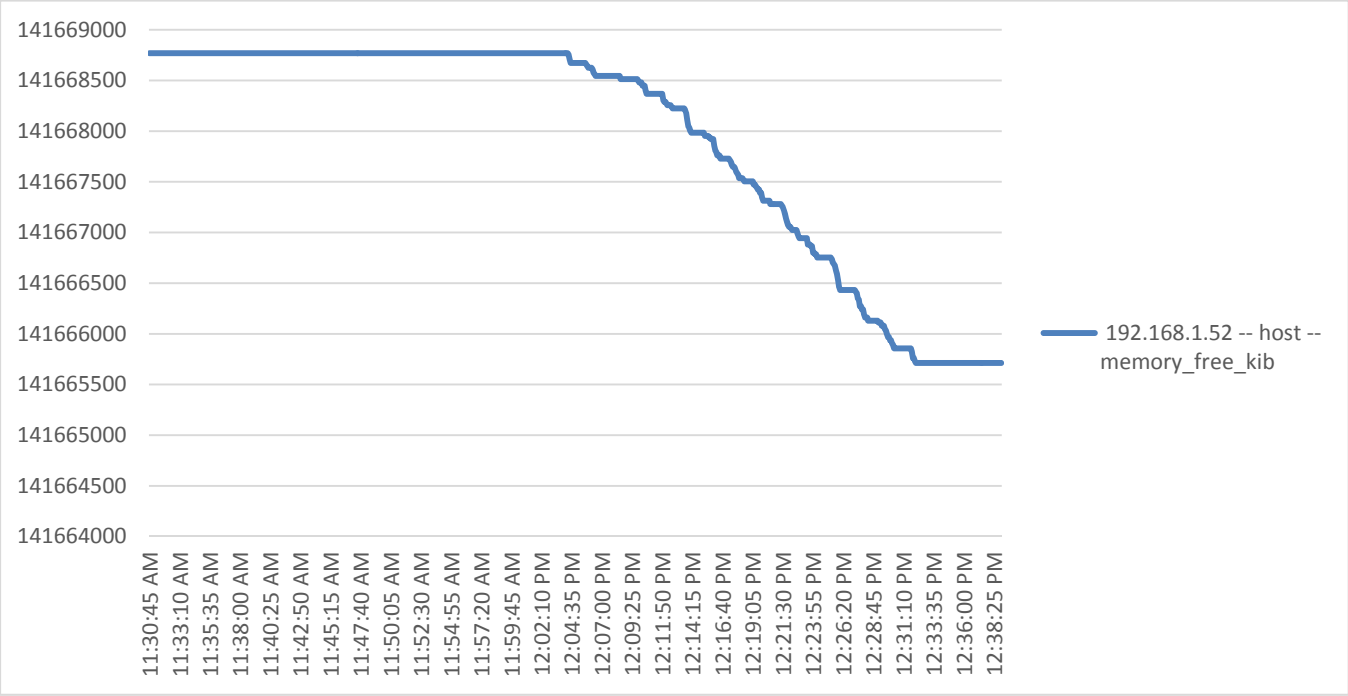


Figure 6 B200-CH3-BL03 Network Utilization

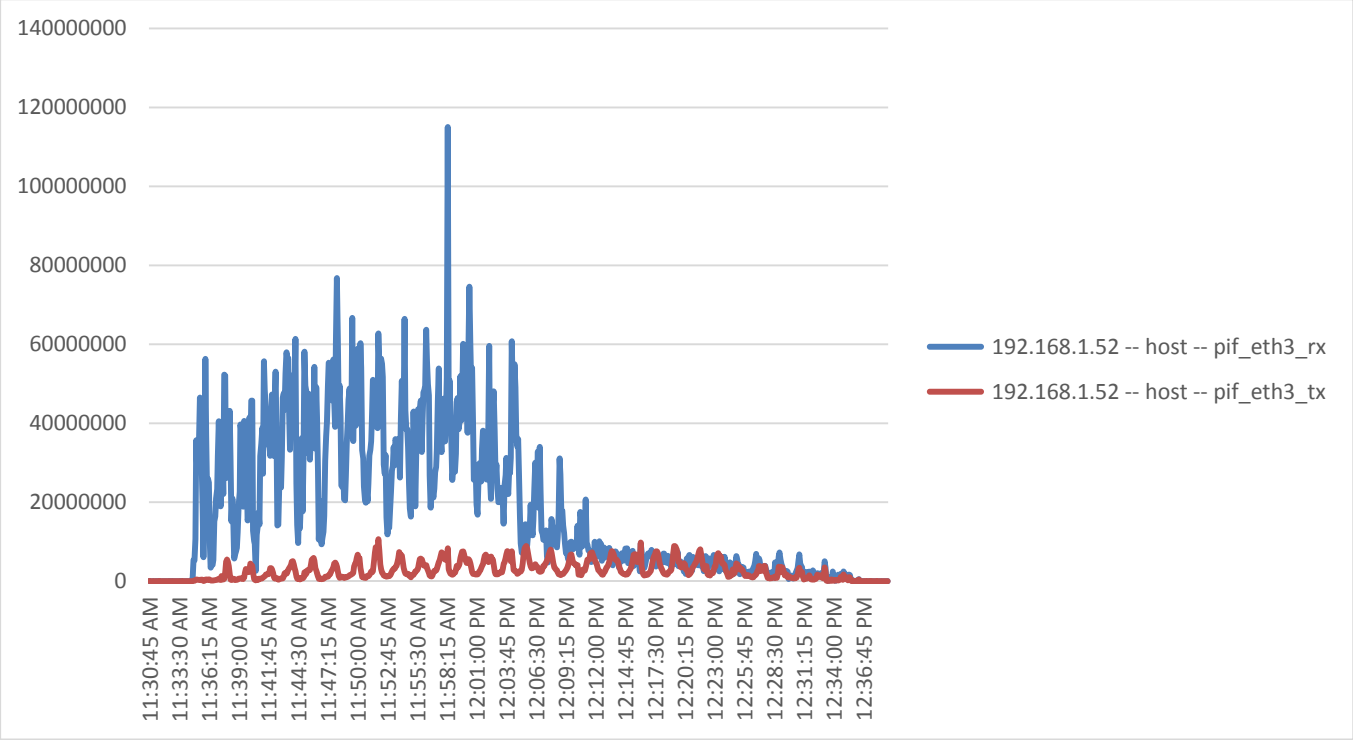


Figure 7 B200-CH3-BL04 CPU Utilization

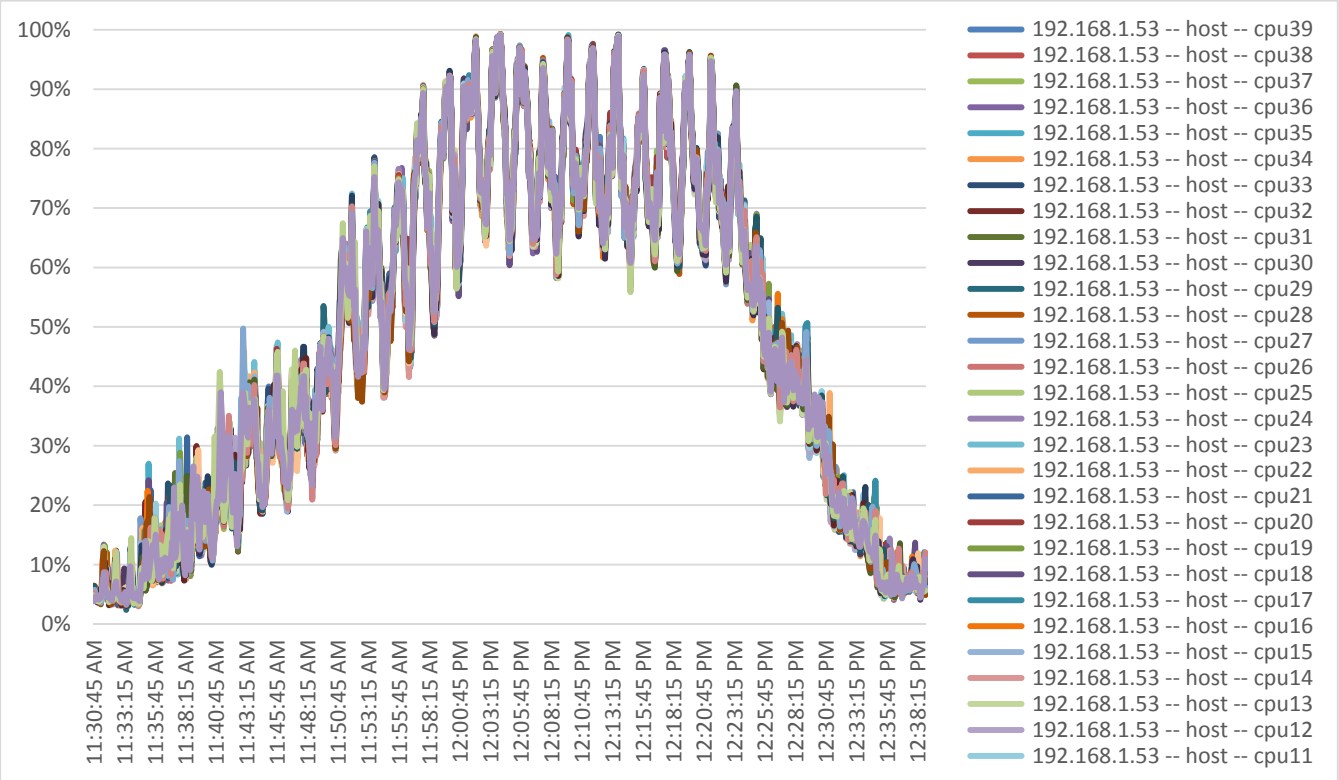


Figure 8 B200-CH3-BL04 Memory Utilization

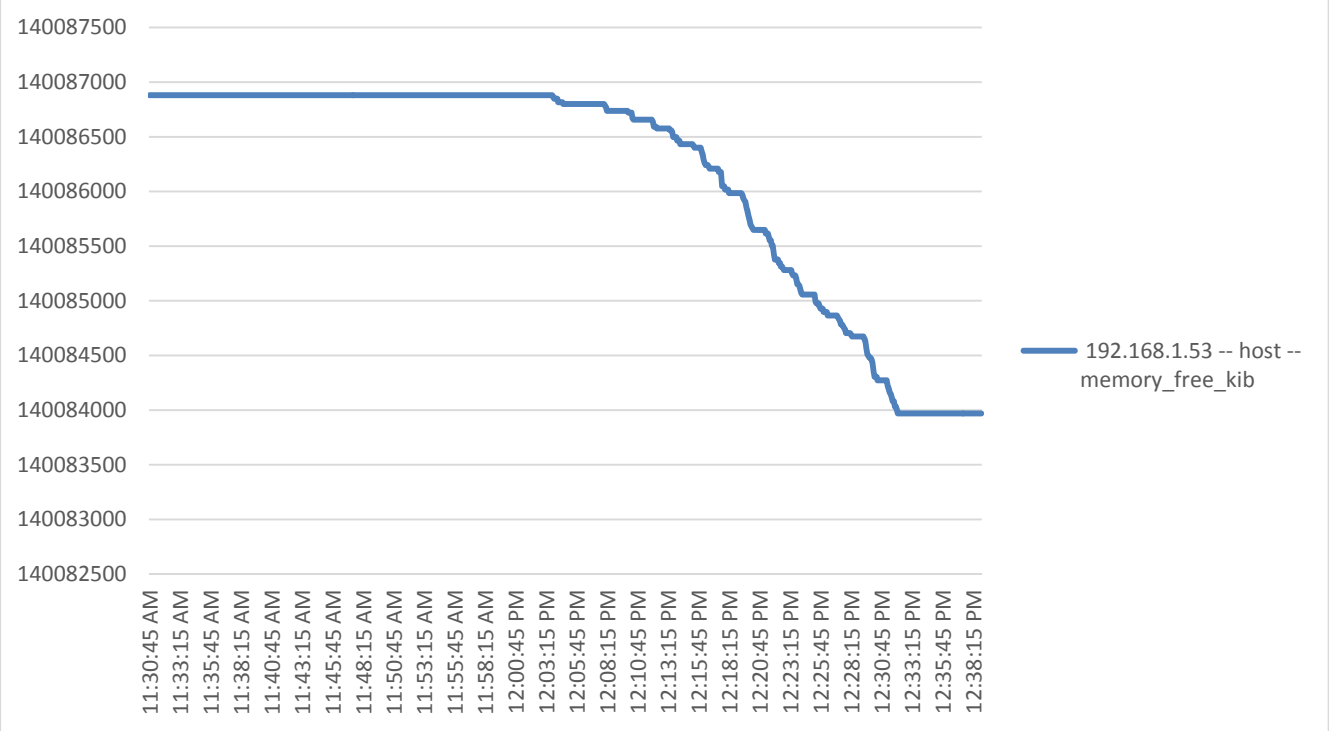


Figure 8 B200-CH3-BL04 Network Utilization

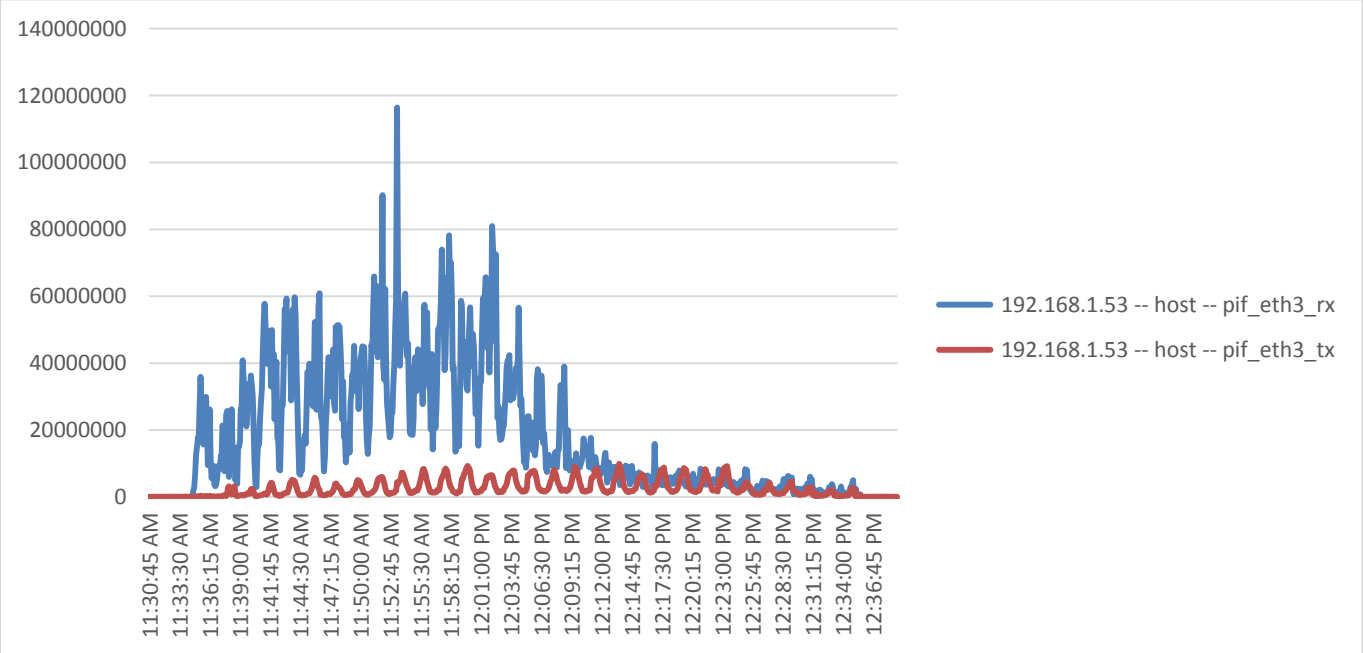


Figure 8 B200-CH3-BL05 CPU Utilization

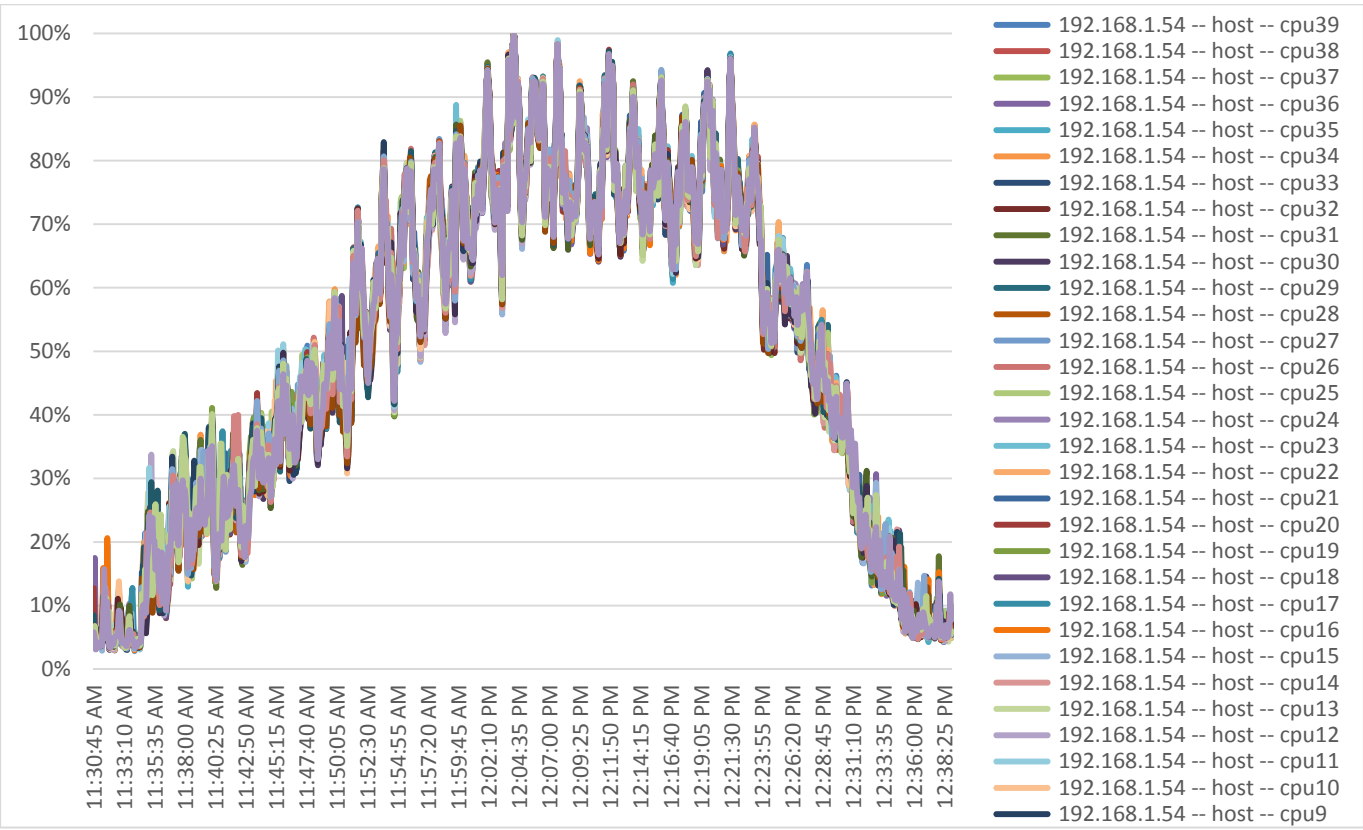


Figure 9 B200-CH3-BL05 Memory Utilization

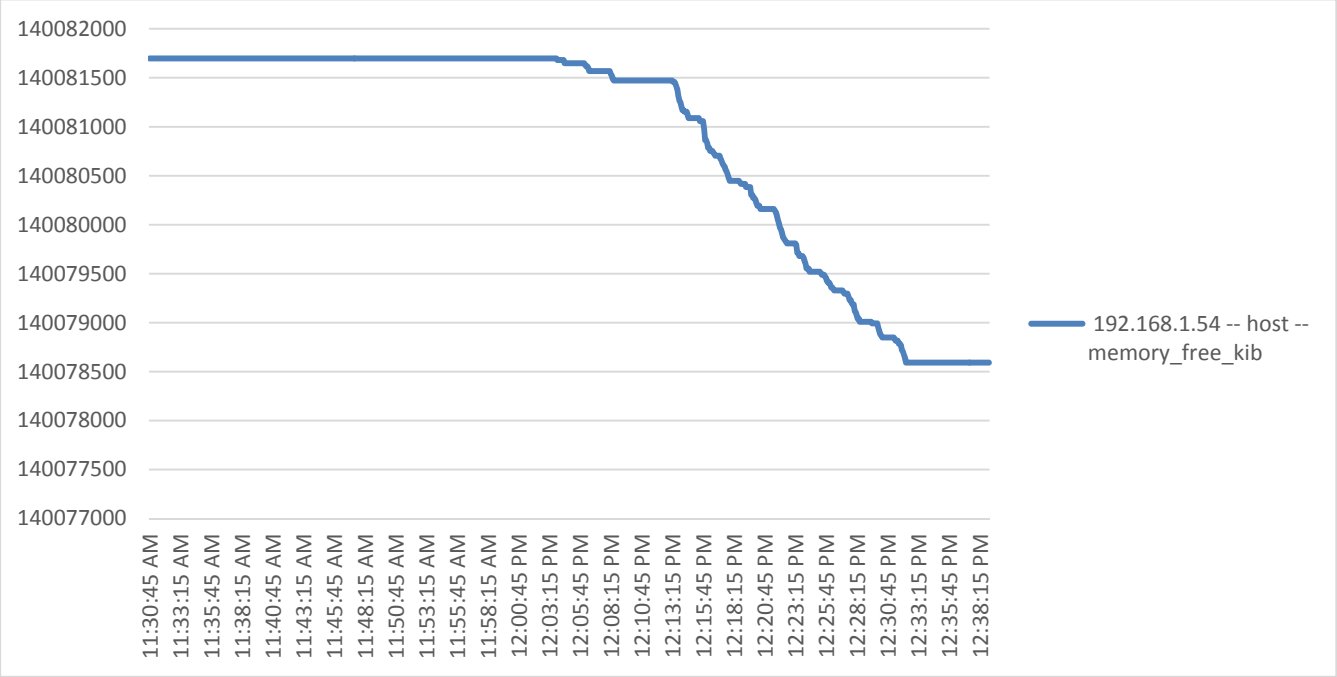


Figure 10 B200-CH3-BL05 Network Utilization

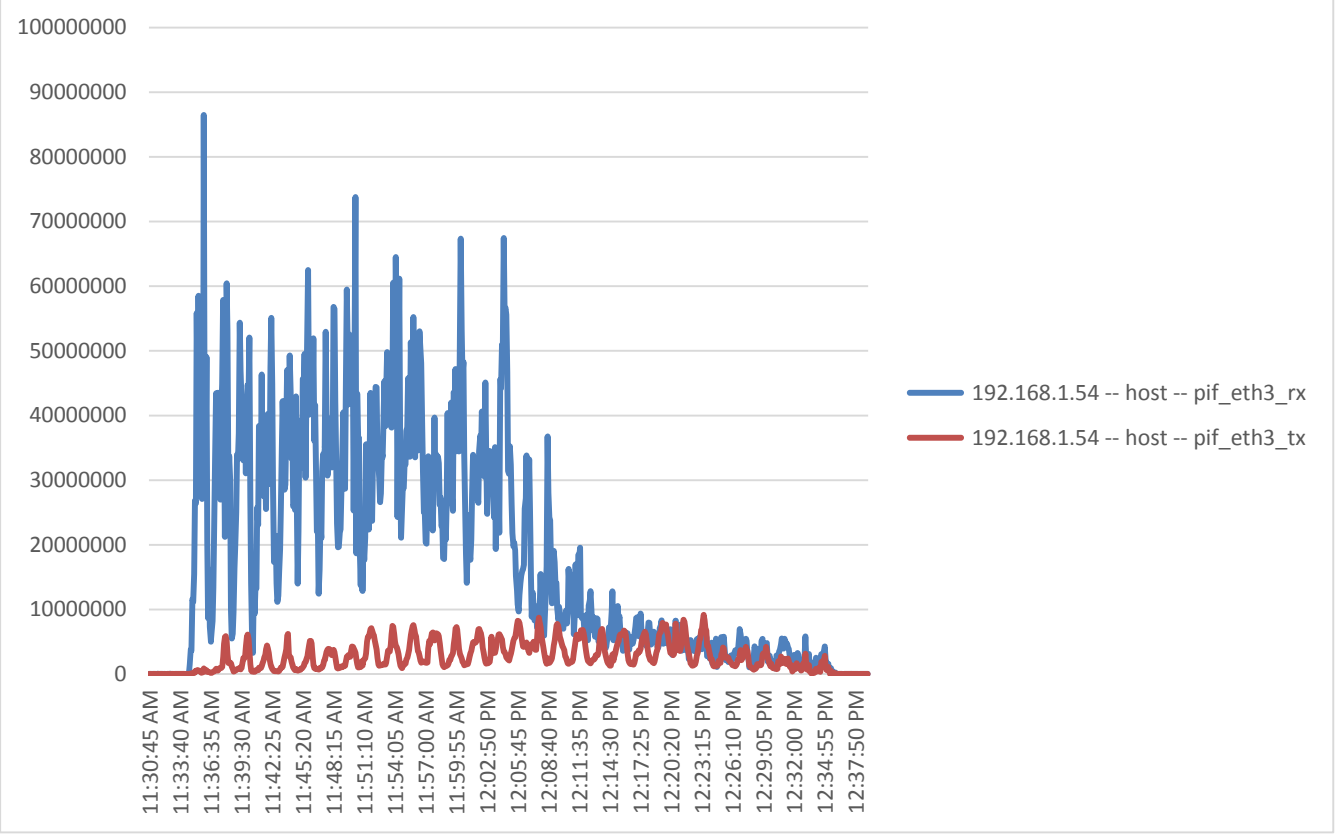


Figure 10 B200-CH4-BL01 CPU Utilization

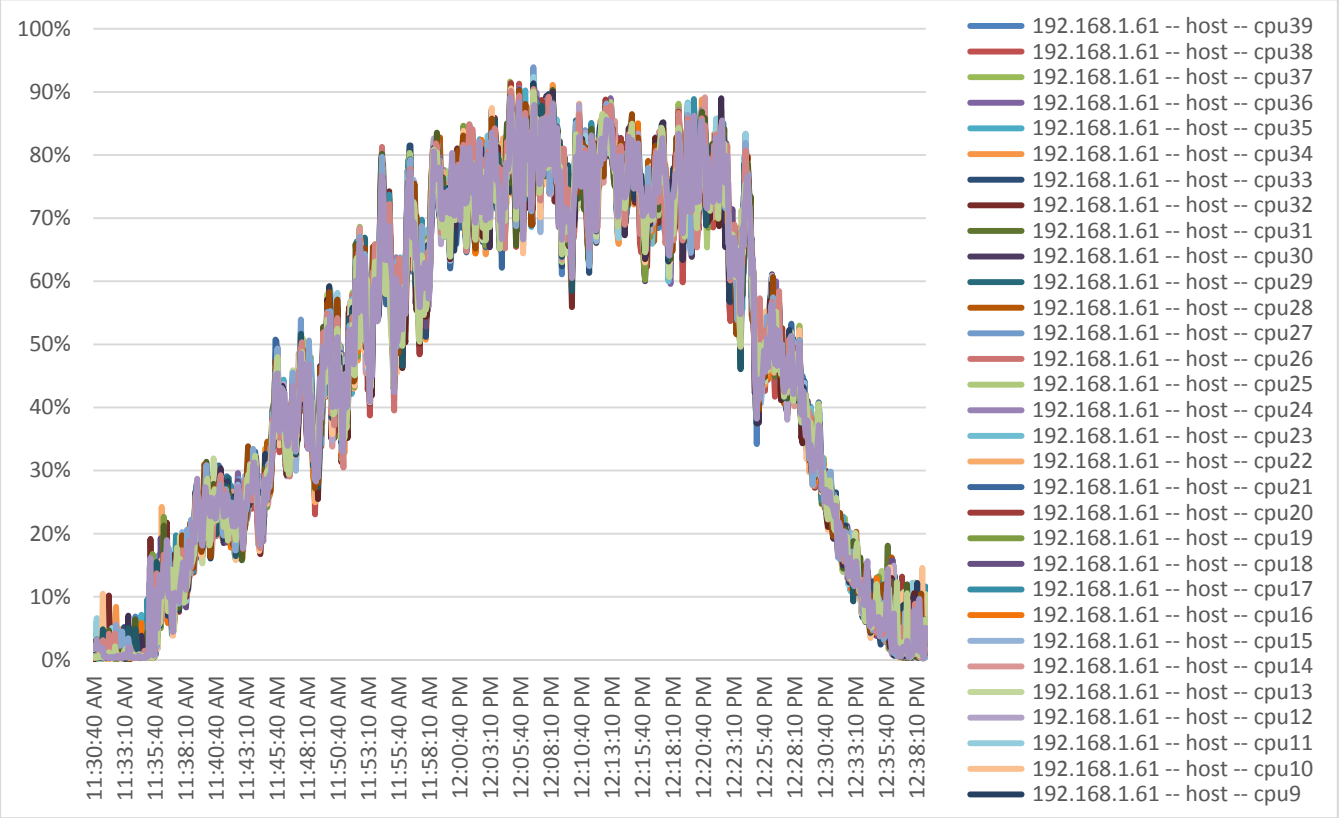


Figure 11 B200-CH4-BL01 Memory Utilization

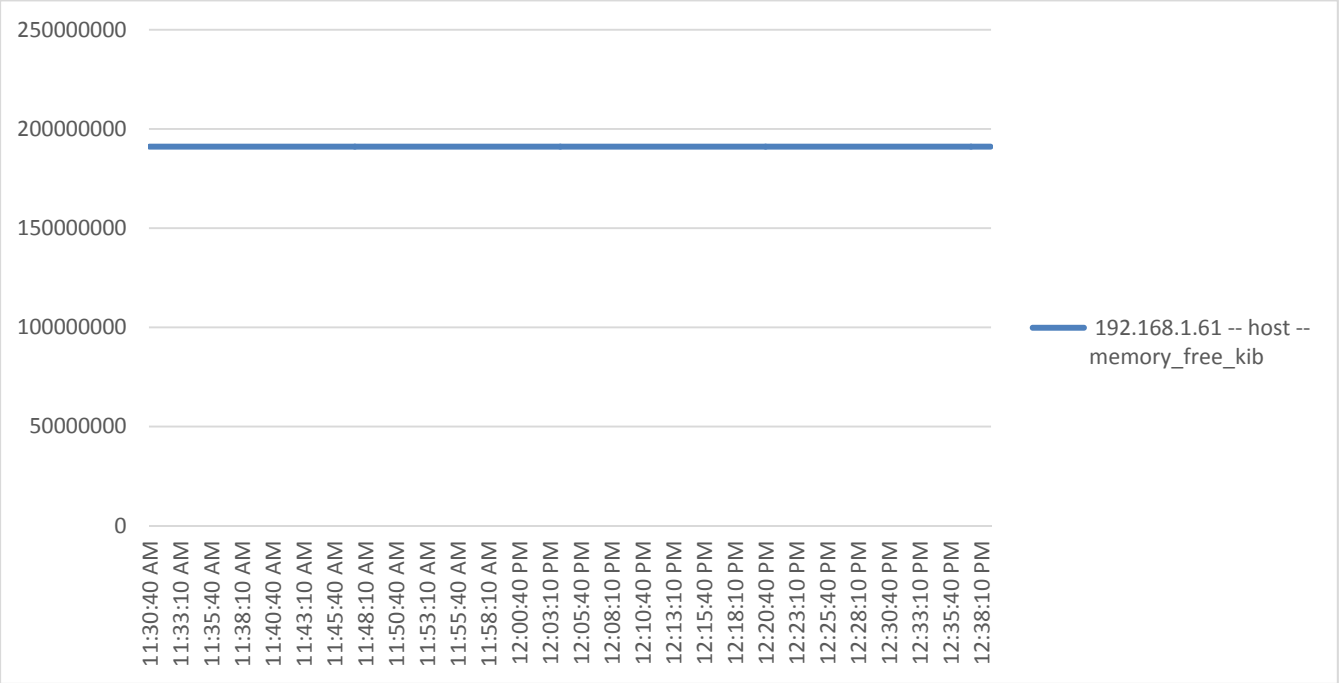


Figure 12 B200-CH4-BL01 Network Utilization

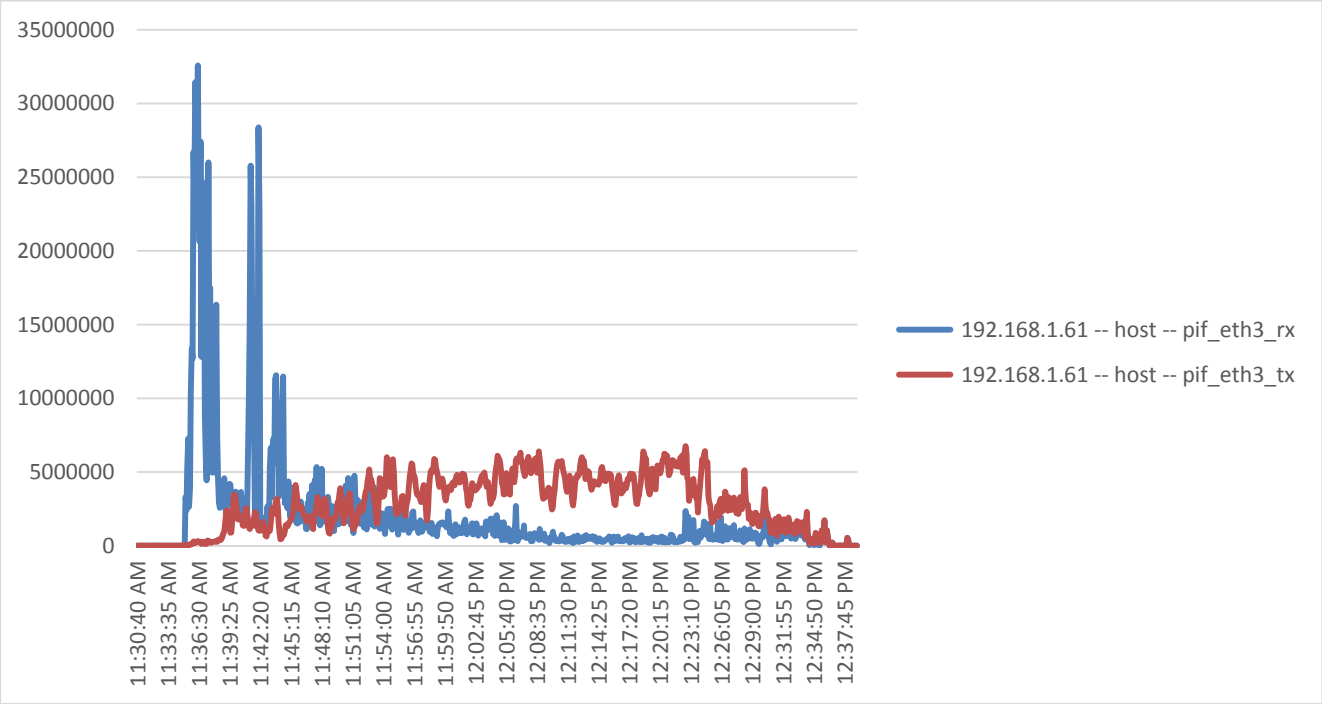


Figure 13 B200-CH4-BL02 CPU Utilization

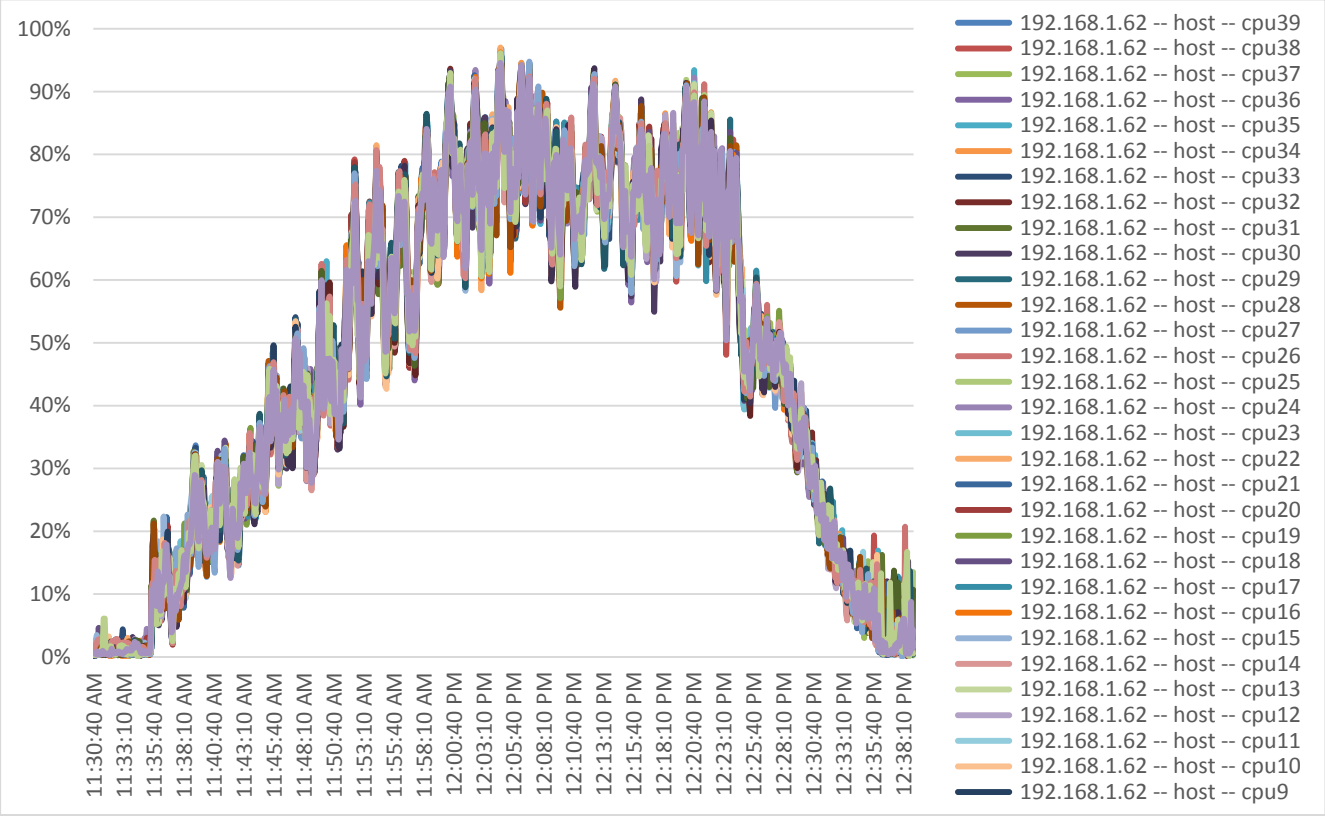


Figure 14 B200-CH4-BL02 Memory Utilization

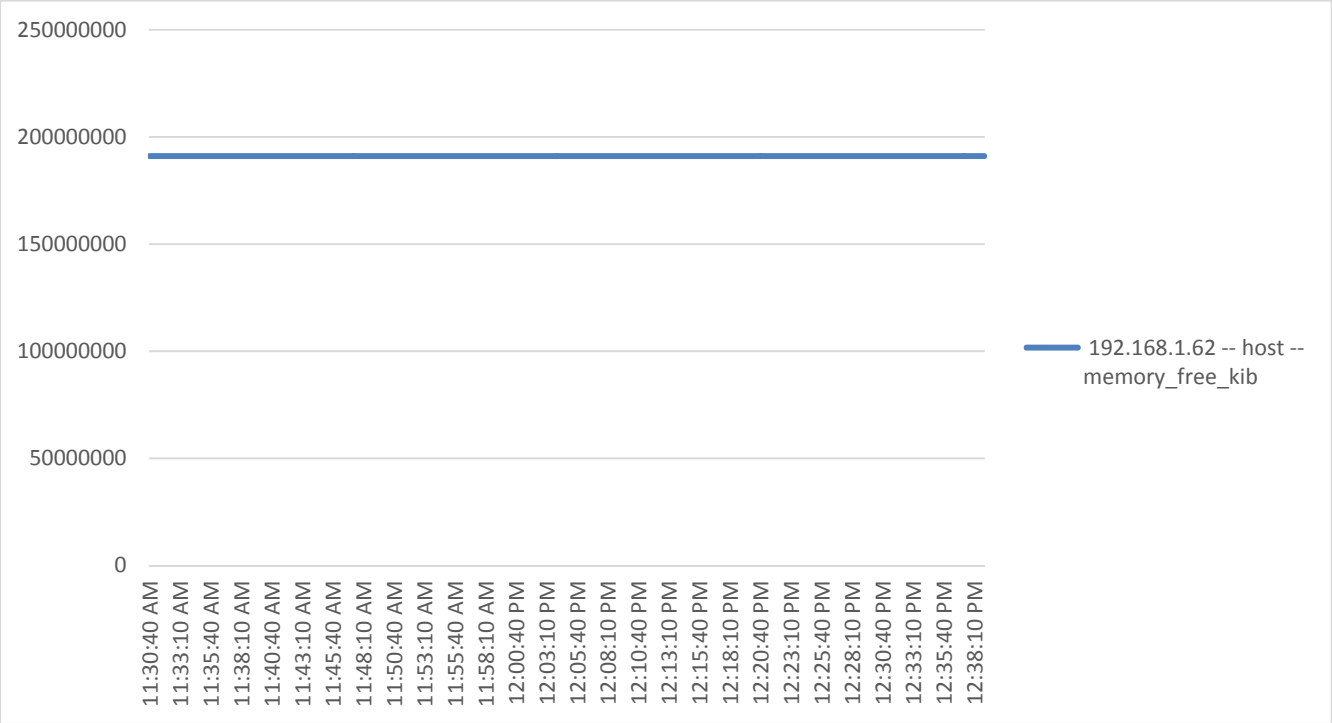


Figure 15 B200-CH4-BL02 Network Utilization

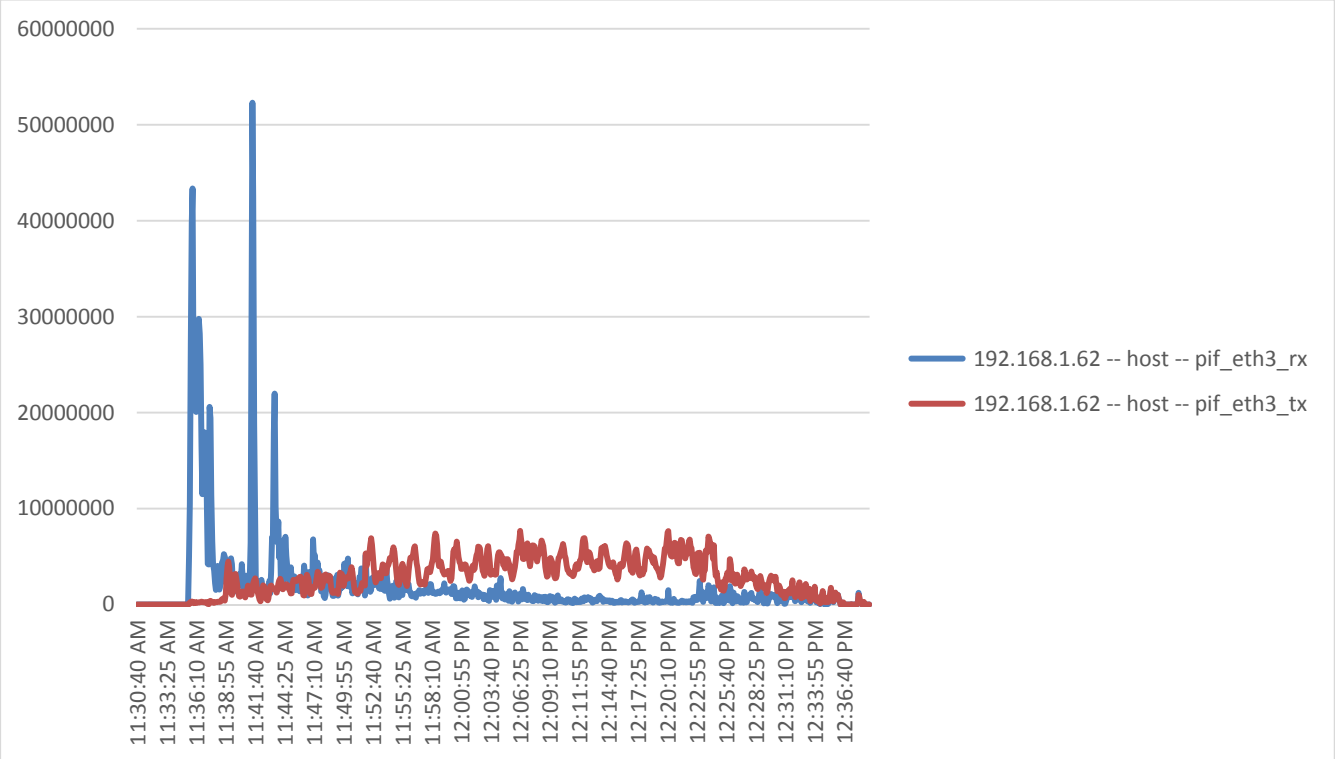


Figure 16 B200-CH4-BL03 CPU Utilization

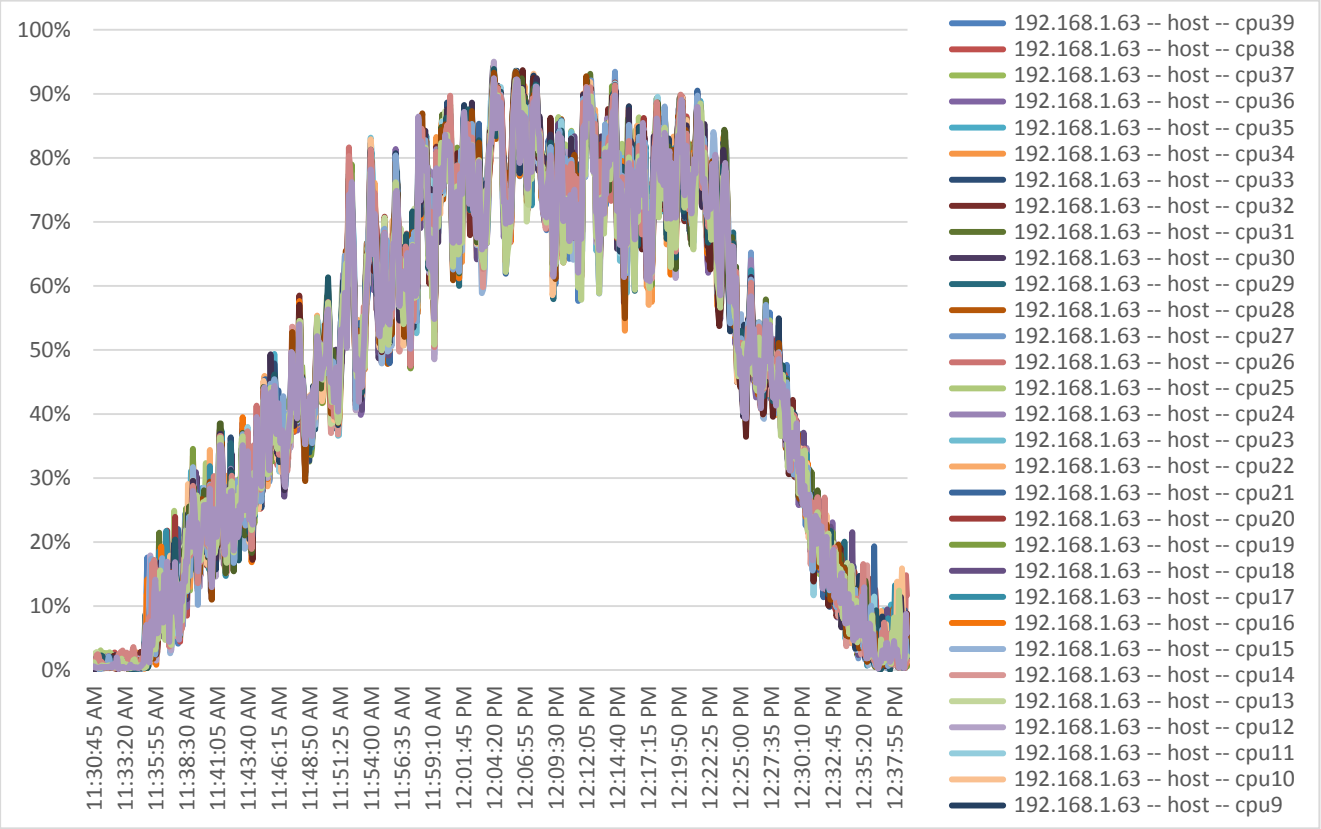


Figure 17 B200-CH4-BL03 Memory Utilization

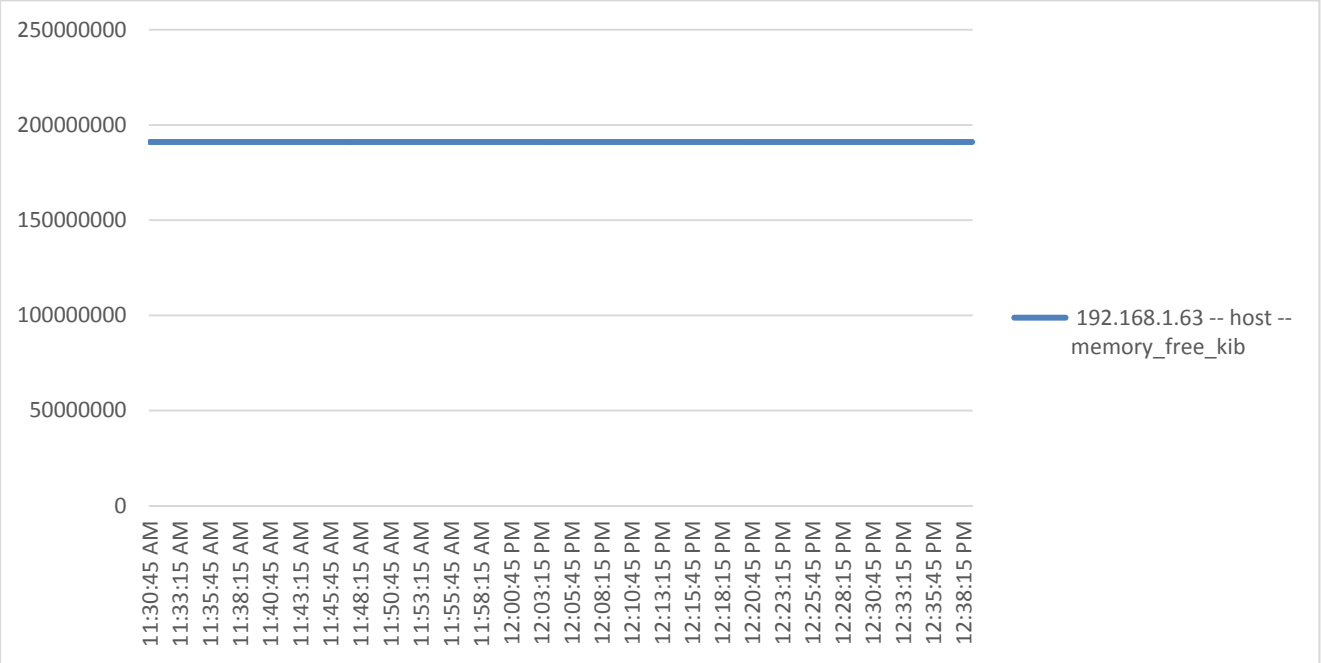


Figure 18 B200-CH4-BL03 Network Utilization

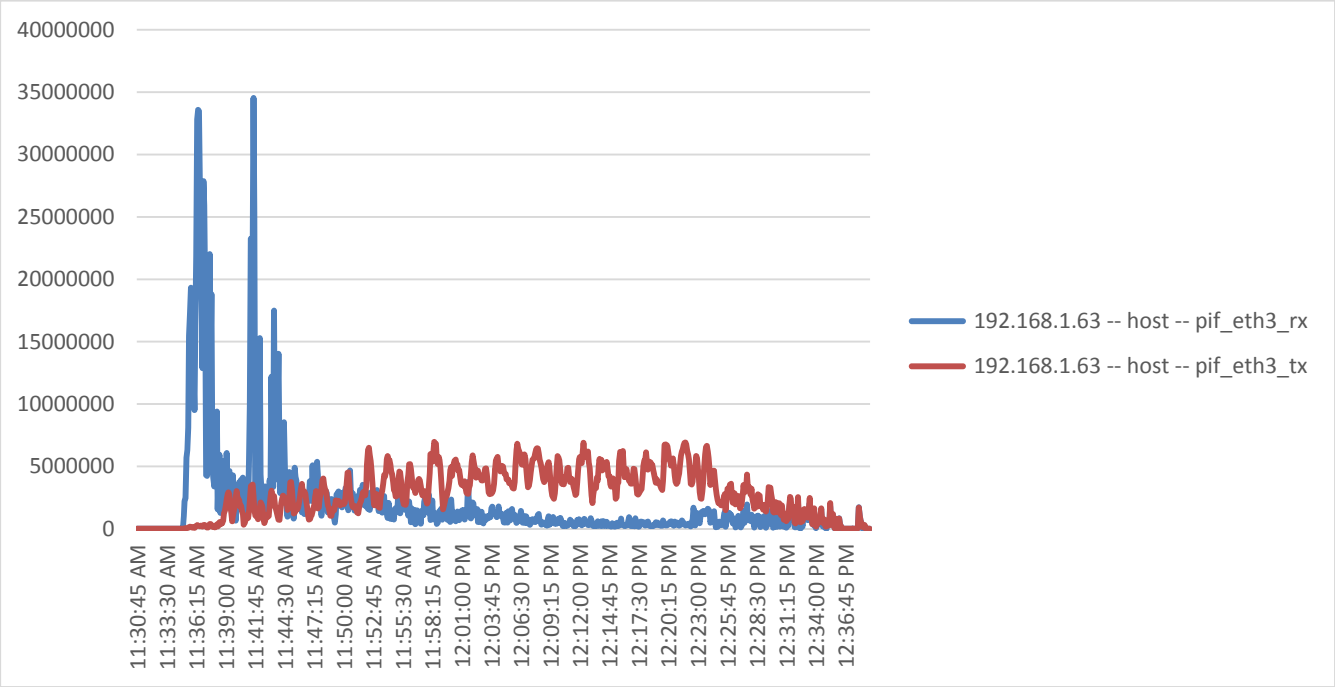


Figure 19 B200-CH4-BL04 CPU Utilization

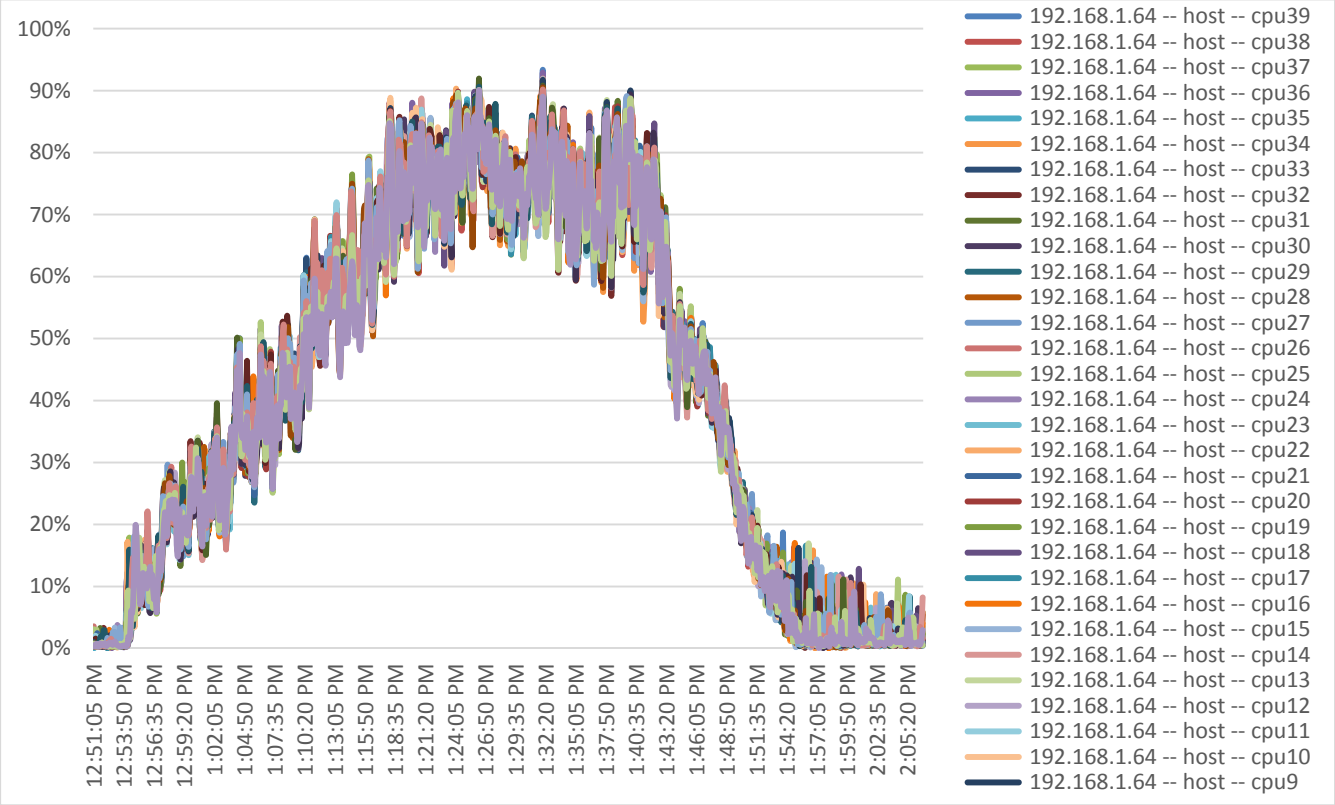


Figure 20 B200-CH4-BL04 Memory Utilization

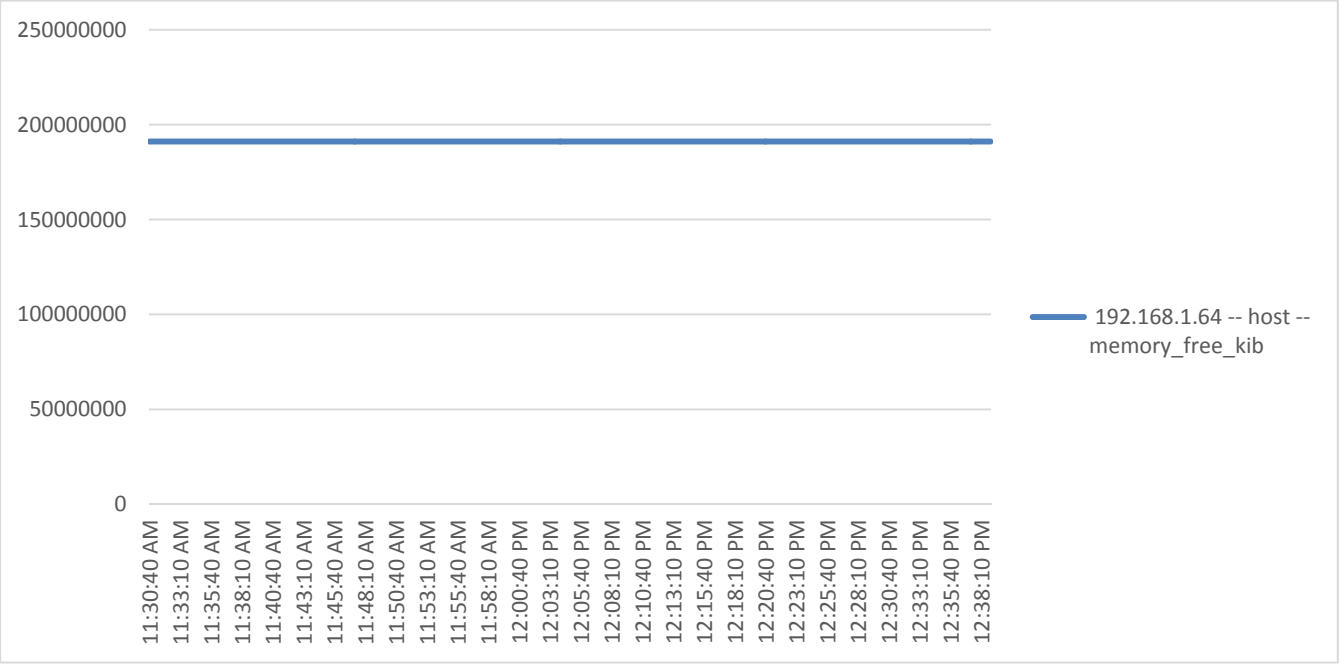


Figure 21 B200-CH4-BL04 Network Utilization

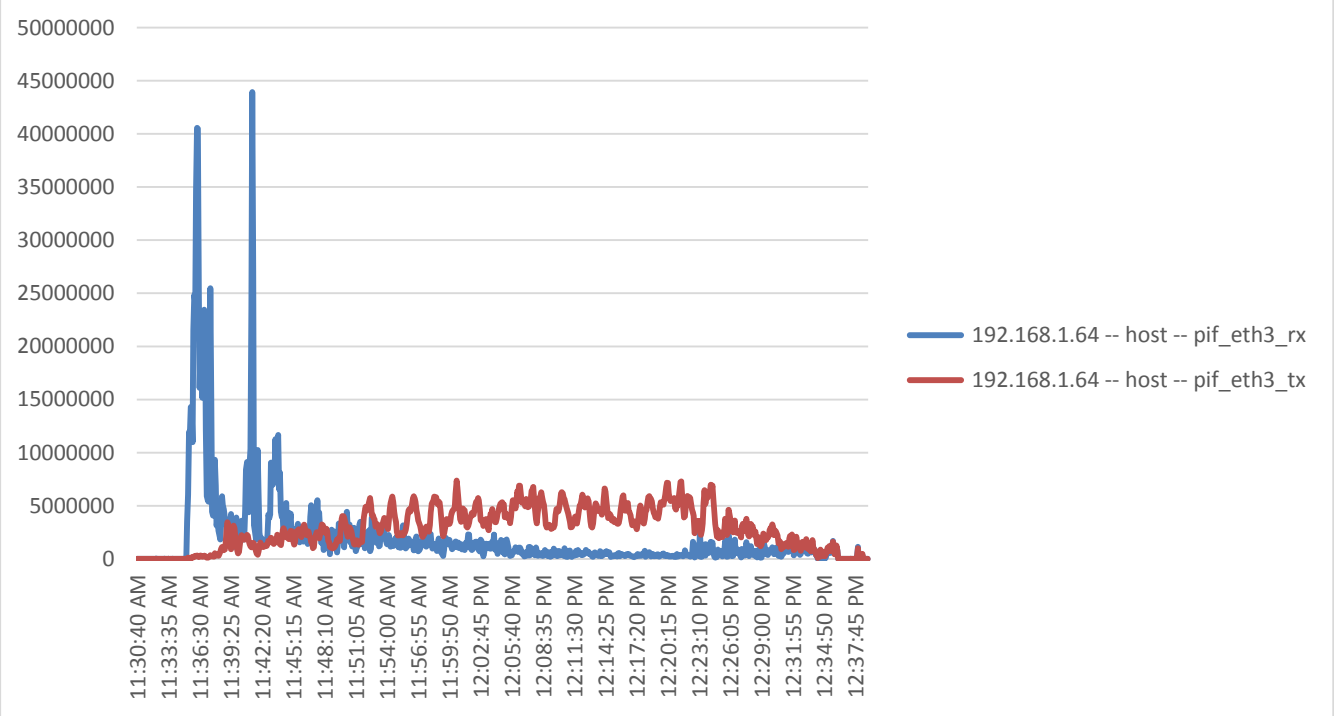


Figure 22 B200-CH4-BL05 CPU Utilization

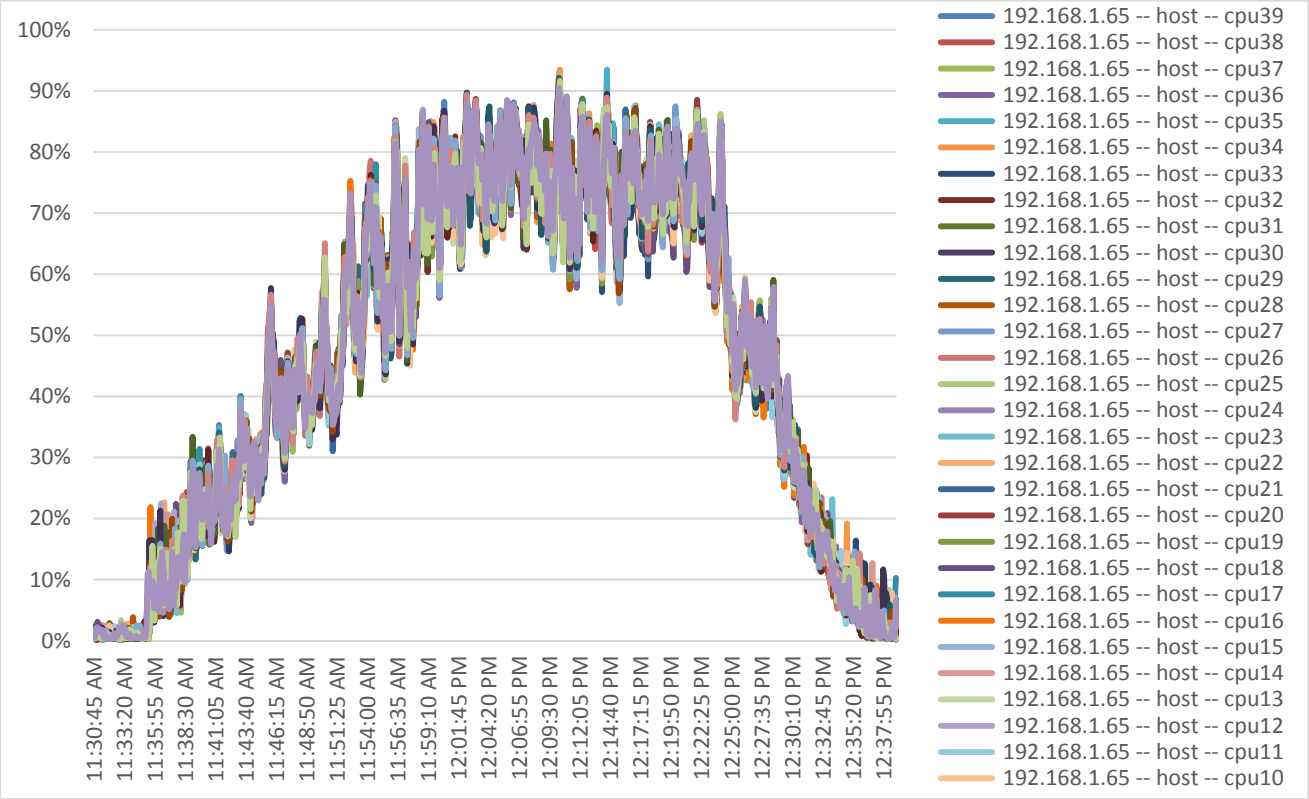


Figure 23 B200-CH4-BL05 Memory Utilization

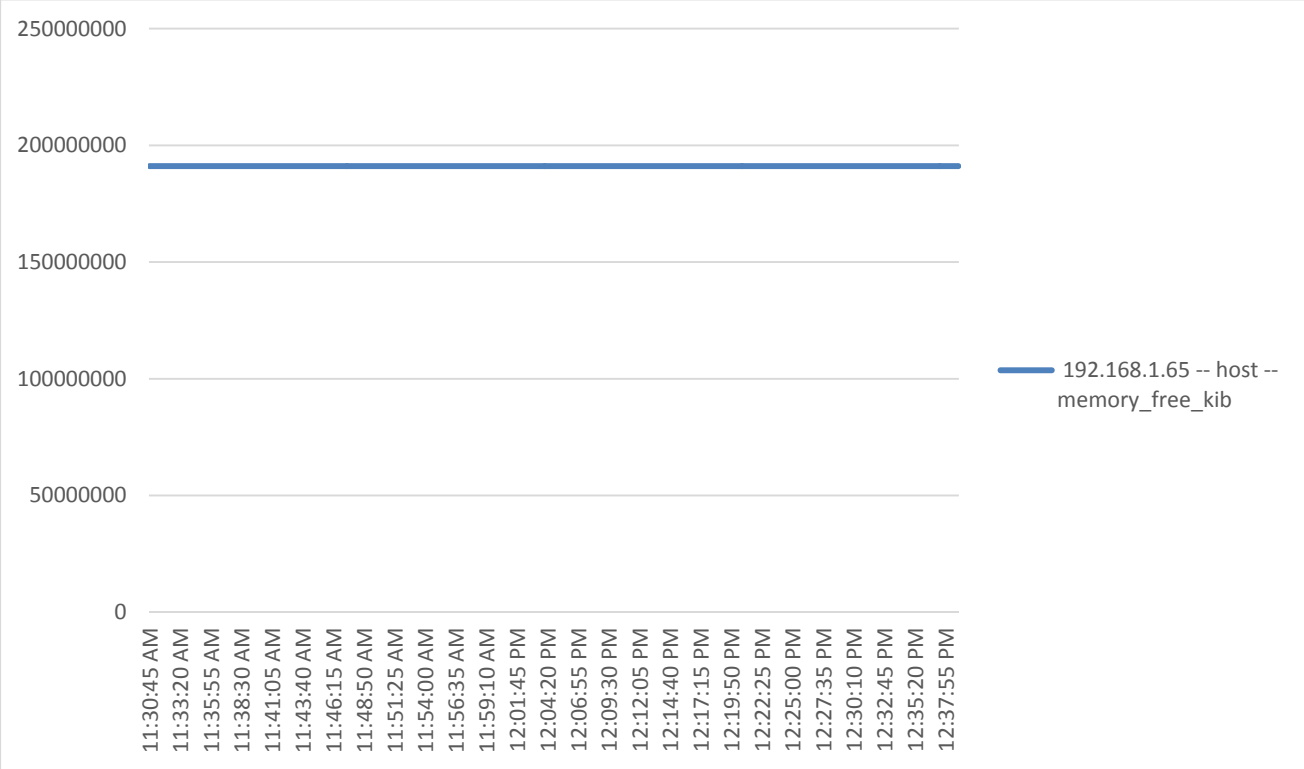


Figure 24 B200-CH4-BL05 Network Utilization

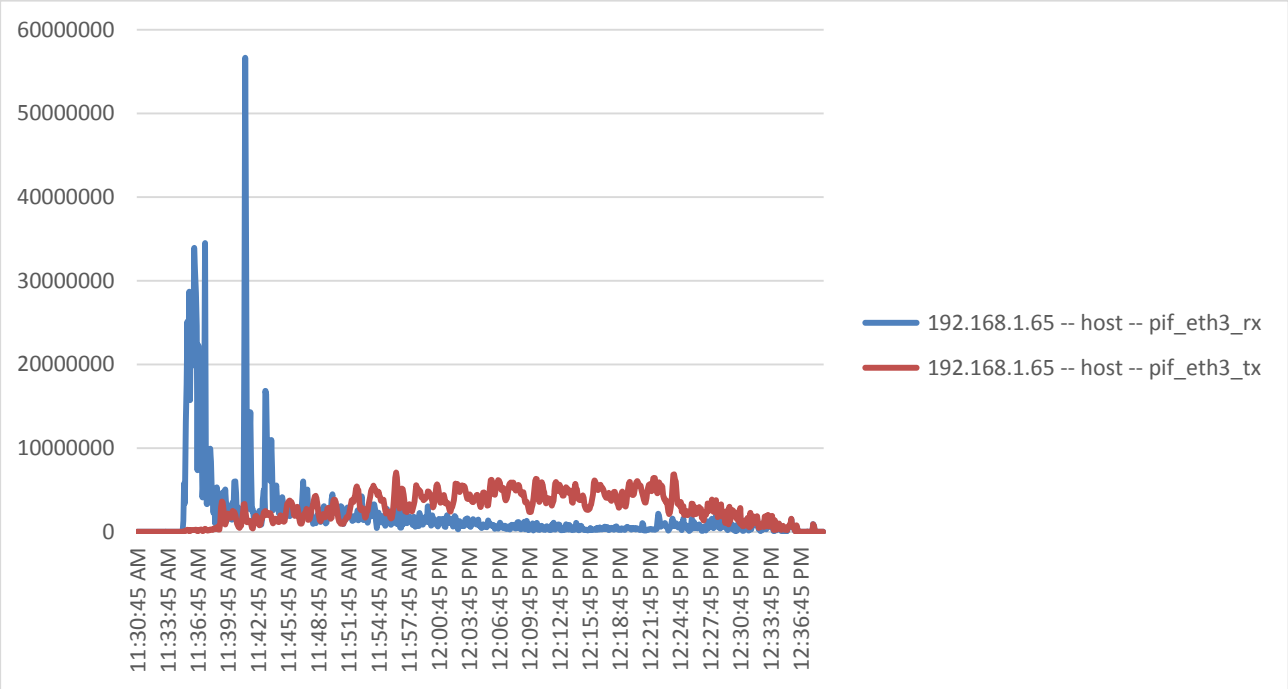


Figure 25 B200-CH4-BL06 CPU Utilization

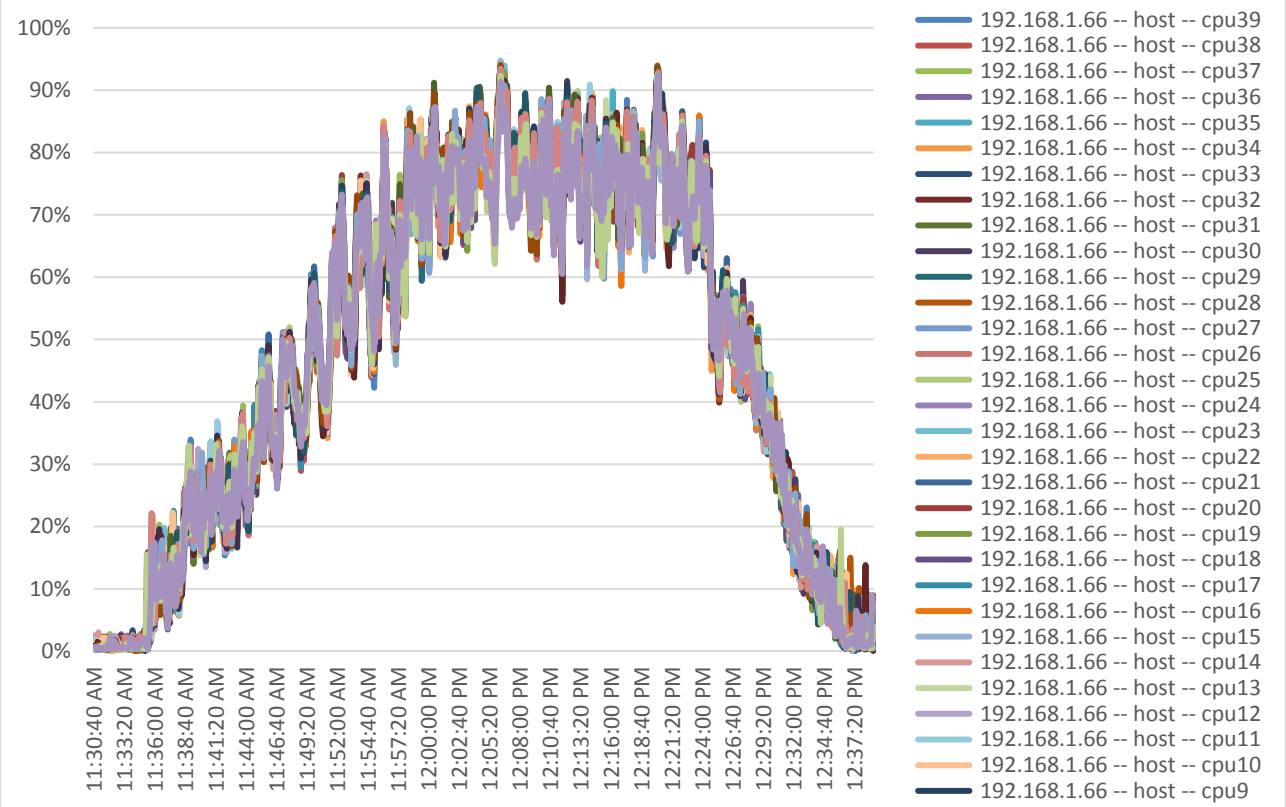


Figure 26 B200-CH4-BL06 Memory Utilization

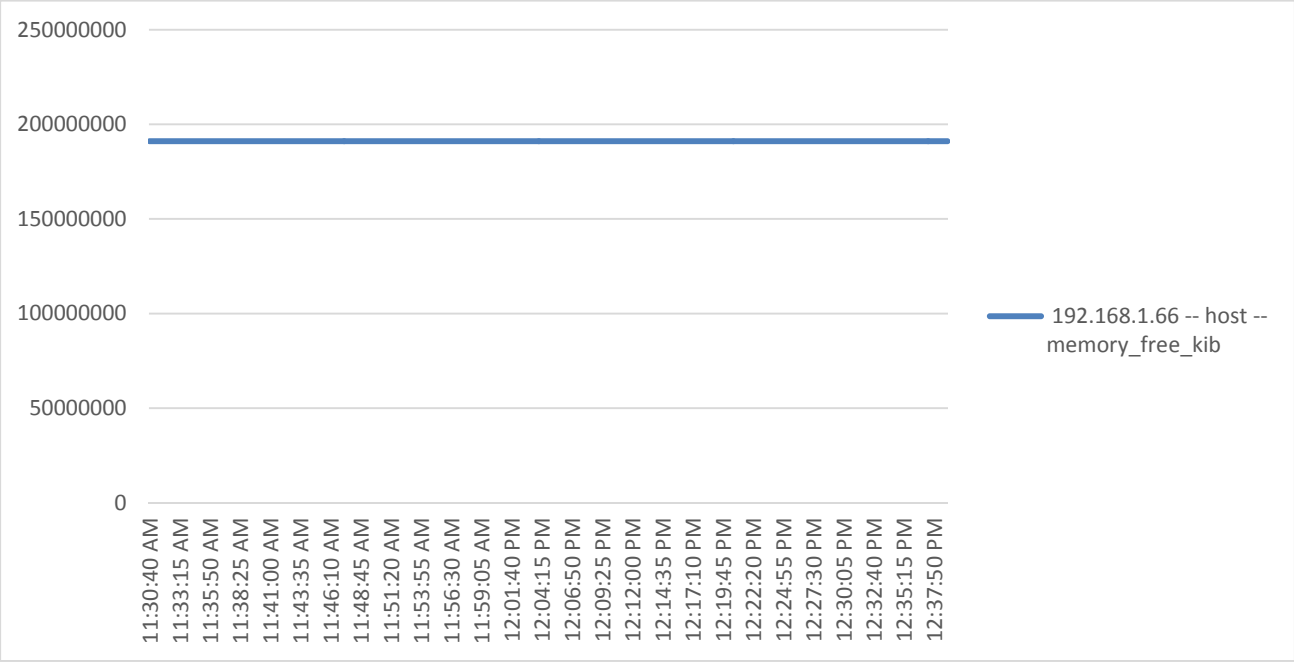


Figure 27 B200-CH4-BL06 Network Utilization

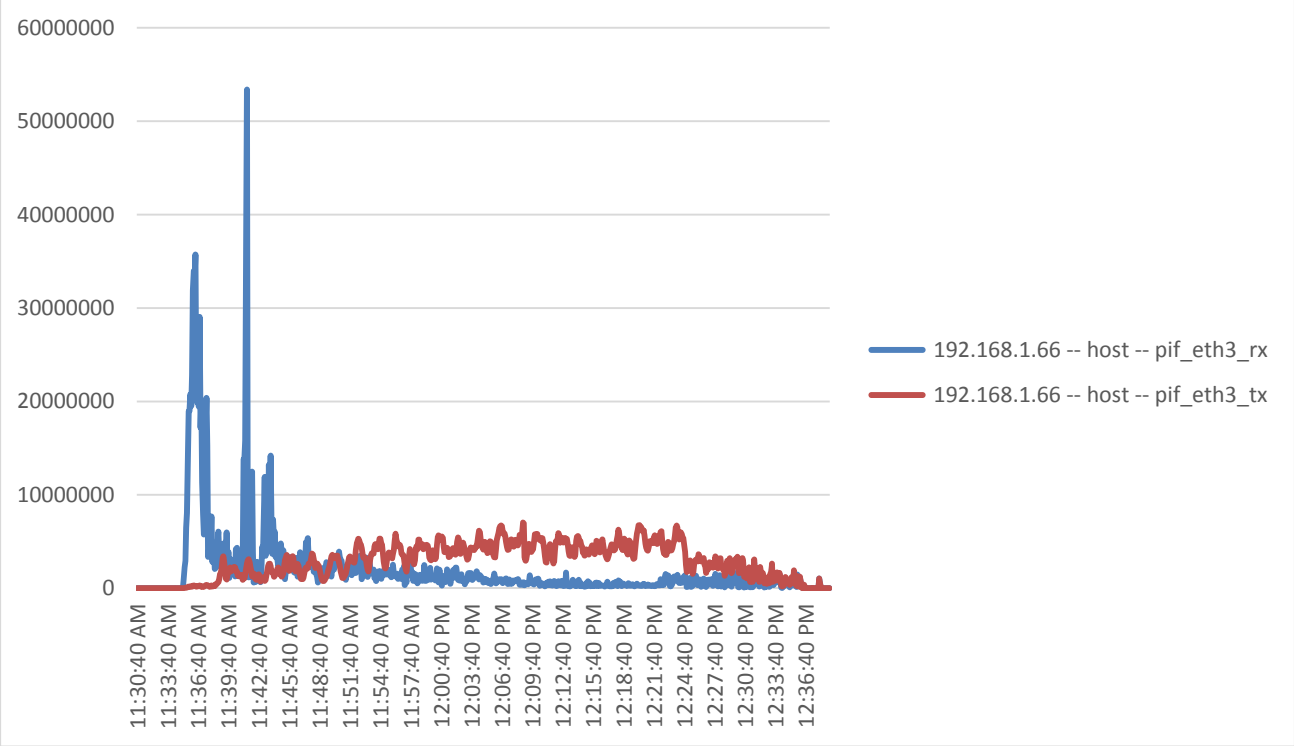


Figure 28 B200-CH4-BL07 CPU Utilization

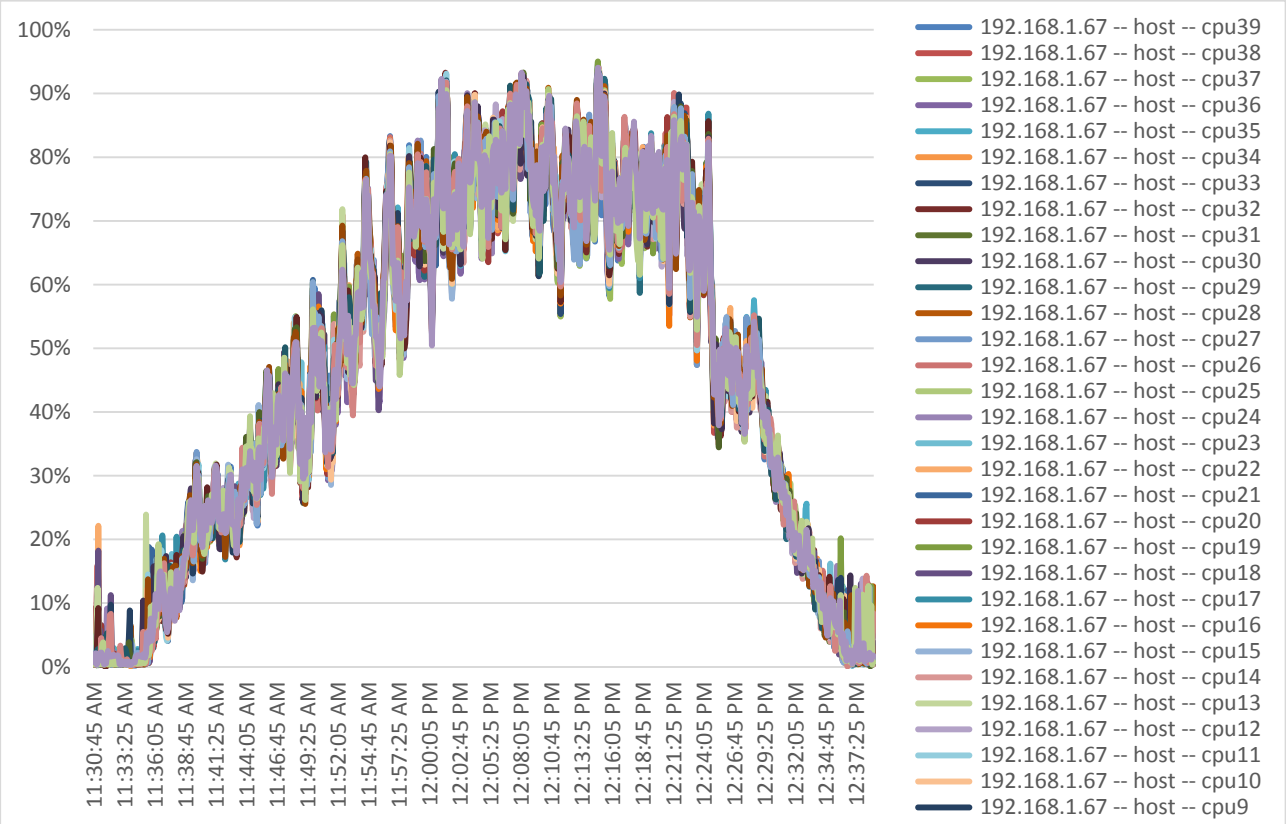


Figure 29 B200-CH4-BL07 Memory Utilization

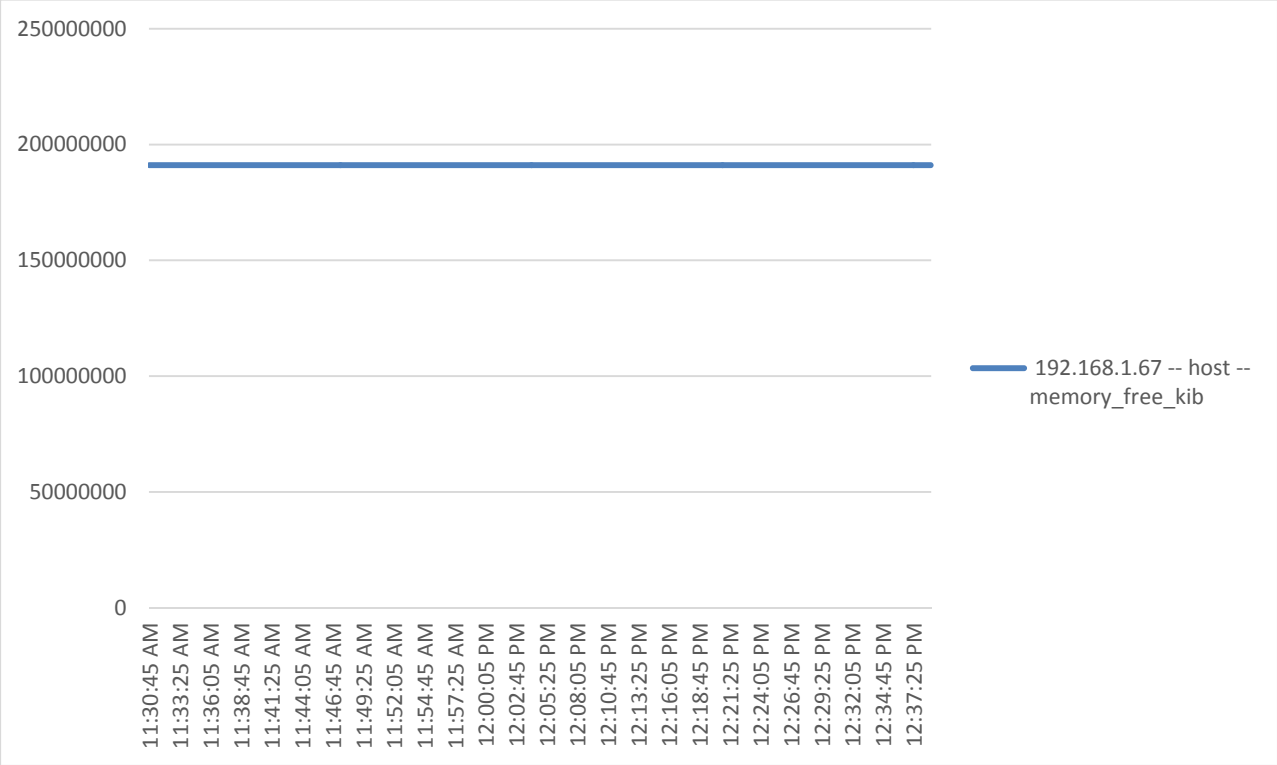


Figure 30 B200-CH4-BL07 Network Utilization

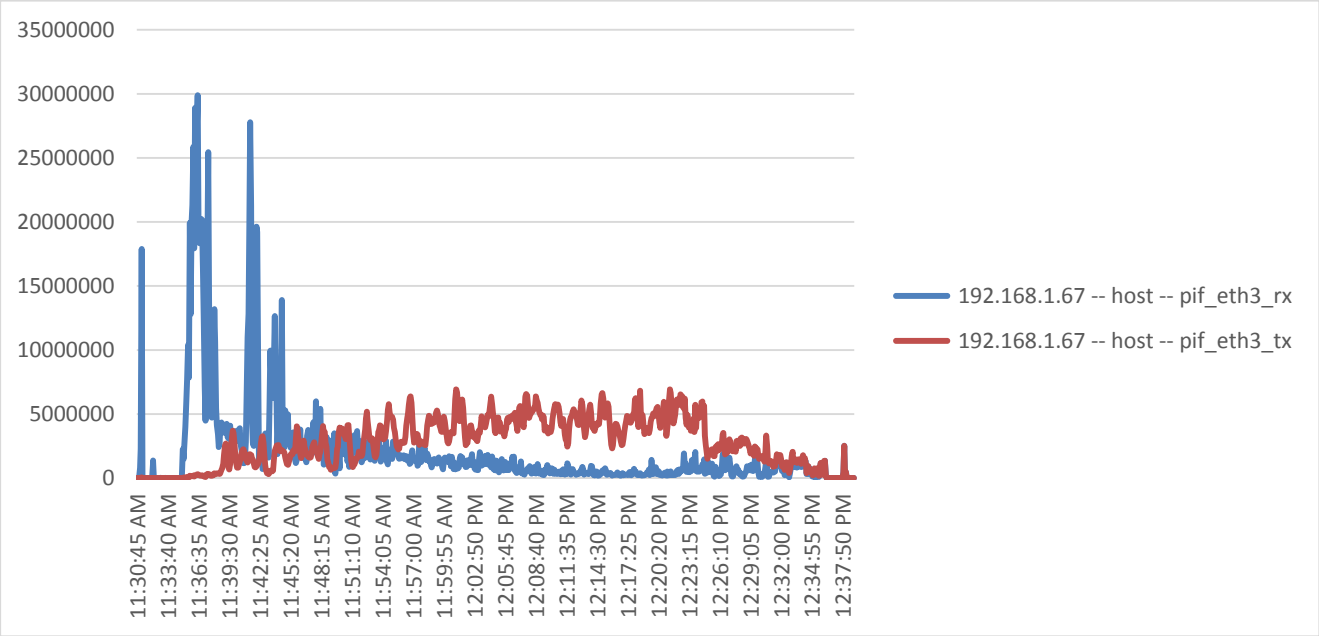


Figure 31 B200-CH4-BL08 CPU Utilization

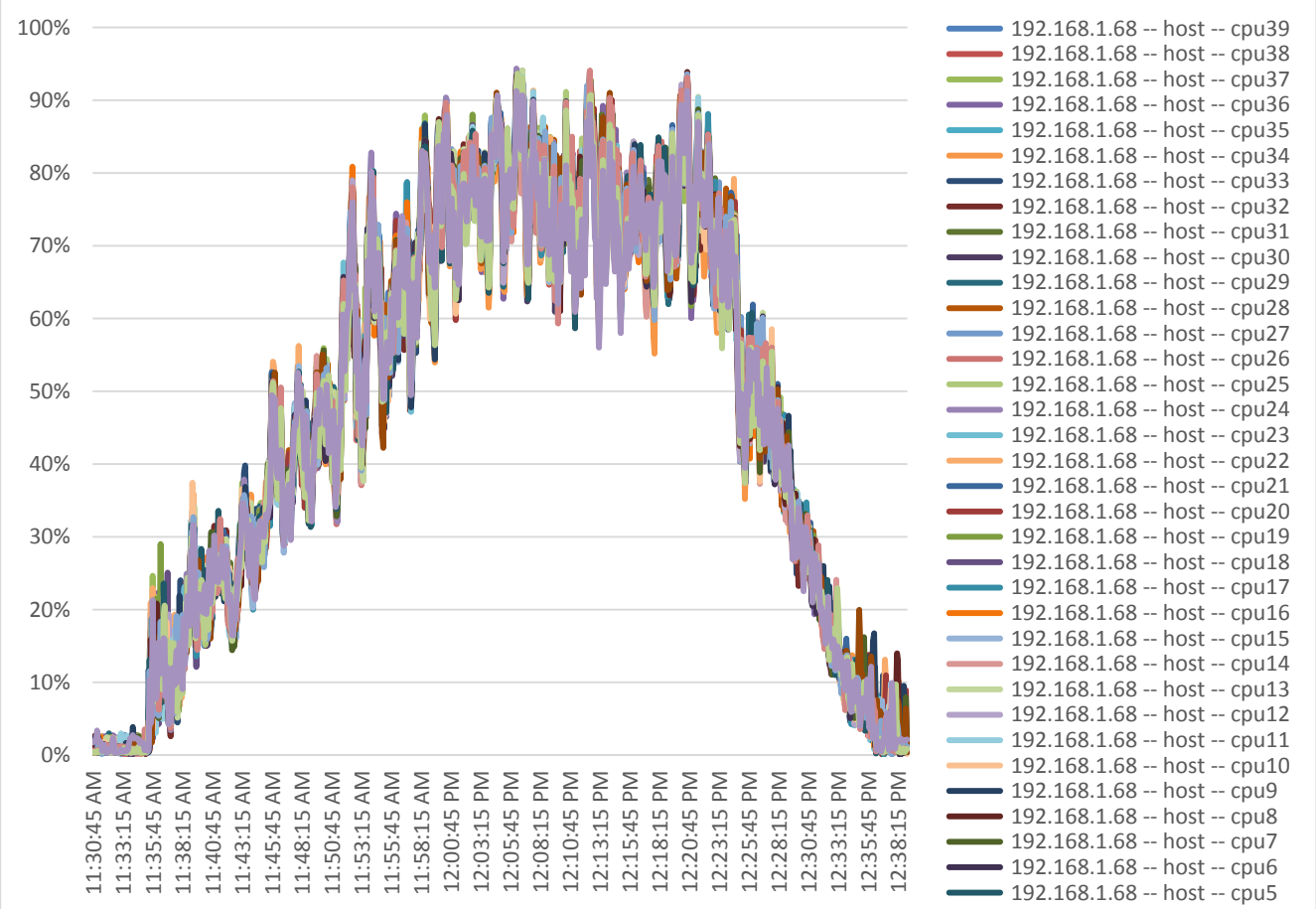


Figure 32 B200-CH4-BL08 Memory Utilization

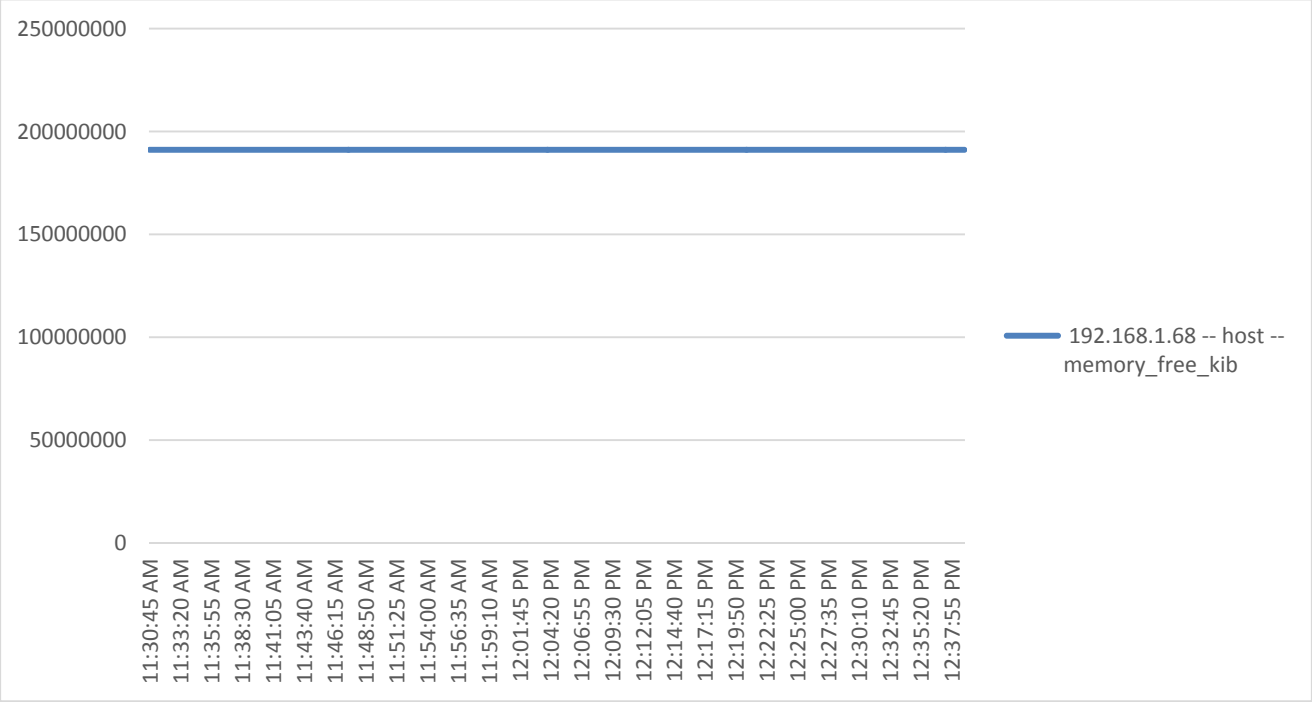
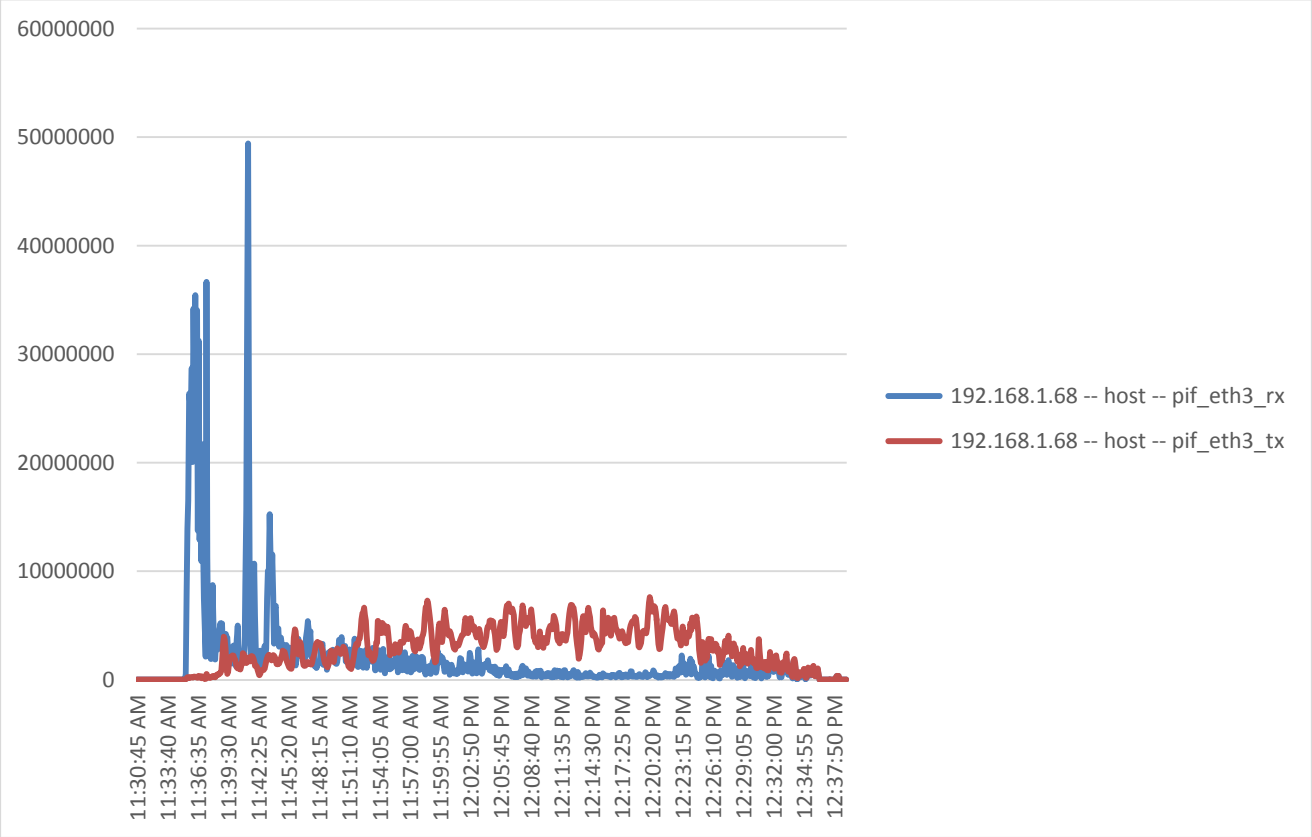


Figure 33 B200-CH4-BL08 Network Utilization



PowerShell Scripts

NetApp offers a wide range of mechanisms for connecting and operating on its storage controllers. One of such mechanisms is the Data ONTAP PowerShell Toolkit, which is available as a no-charge product and downloadable from the NetApp Communities.

Of particular instance for this reference architecture is the use of the PowerShell Toolkit for collecting performance information; namely, **Invoke-NcSysstat**, a cmdlet designed to report live performance data of the cluster. Like **Invoke-NaSysstat, Invoke-NcSysstat** monitors several performance counters to report on components of the system. The following performance statistics can be retrieved: System, FCP, NFSv3, NFSv4, CIFS, iSCSI, Volume, Ifnet, LUN, and Disk.

To use **Invoke-NcSysstat**, simply provide a switch indicating which type of performance statistics to retrieve. Use the Name parameter to monitor only specific performance objects. For example, to monitor volumes named "powershell" in the cluster:

```
PS C:\Toolkit\3.0> Invoke-NcSysstat -Volume -Name powershell -Count 5

Name                                RdOps  WrOps TotOps   RdLat   WrLat  TotLat    Read Written
----                                -----  ----- ------   -----   -----  ------    ---- -------
powershell                              0    430    434     0.0     0.5     0.6    1 KB   27 MB
powershell                              0    515    519    13.3     0.7     0.8    1 KB   32 MB
powershell                              0    622    631     0.1     0.8     0.9    2 KB   39 MB
powershell                              1    600    604     4.6     1.0     1.0    2 KB   37 MB
powershell                              0    590    599     0.1     0.9     1.0    2 KB   37 MB
```

The Name parameter also accepts wildcards:

```
PS C:\Toolkit\3.0> Invoke-NcSysstat -Lun -Name /vol/powershell/*

    Read  Written  RdOps  WrOps TotOps  TotLat LunPath
    ----  -------  -----  ----- ------  ------ -------
       0        0      0      0      0     0.0 /vol/powershell/disk1_gpt
   135 B        0      0      0      1     2.0 /vol/powershell/luns/cluster
       0    128 B      0    128    128   217.0 /vol/powershell/luns/disk0
```

Invoke-NcSysstat works in both the cluster and Vserver context for Data ONTAP 8.2 and up. For Data ONTAP versions previous to 8.2, **Invoke-NcSysstat** must be run in the cluster context. The following performance statistics can be retrieved in the Vserver context: FCP, NFSv3, NFSv4, CIFS, iSCSI, Volume, and LUN.

When run in the cluster context, select monitored performance objects can be filtered by node or Vserver. **Invoke-NcSysstat** will then only monitor the performance objects associated with the given node or Vserver. For example, to monitor all of the volumes on a specific Vserver:

```
PS C:\Toolkit\3.0> Invoke-NcSysstat -Volume -Vserver beam01

Name                                RdOps  WrOps TotOps   RdLat   WrLat  TotLat    Read Written
----                                -----  ----- ------   -----   -----  ------    ---- -------
beam01_root_vol                         0      0      0     0.0     0.0     0.0       0       0
clusterdisks                            0      0      0     0.0     0.0     0.0       0       0
davidCModeIscsiMoun1                    0      0      0     0.0     0.0     0.0       0       0
ndmp_destination                        0      0      0     0.0     0.0     0.0       0       0
powershell                              0    370    370     0.0     0.2     0.2       0   23 MB
testvol                                 0      0      0     0.0     0.0     0.0       0       0
v1NfsSrCMode                            0      0      0     0.0     0.0     0.0       0       0
```

```
vmstorage                                 0       0       0      0.0      0.0      0.0        0        0
```

The following performance statistics can be filtered by Vserver: FCP, Volume, CIFS, iSCSI. The following performance statistics can be filtered by node: FCP, Ifnet, Disk, Volume, CIFS, iSCSI, System.

Additionally, **Invoke-NcSysstat** can aggregate the performance statistics for select objects by Vserver or node. Instead of displaying the performance results for each individual object, the performance statistics are aggregated for all the objects on the given Vserver or node. The following example aggregates the volume performance for all of the volumes in Vserver “beam01”:

```
PS C:\Toolkit\3.0> Invoke-NcSysstat -Volume -Vserver beam01 -Aggregated -Count 5

Name                                    RdOps  WrOps TotOps   RdLat   WrLat  TotLat    Read Written
----                                    -----  ----- ------   -----   -----  ------    ---- -------
beam01                                      0    257    266     0.0     0.2     0.2       0   16 MB
beam01                                      0    606    614     0.0     0.2     0.3       0   38 MB
beam01                                      0    357    363     0.0     0.3     0.3       0   22 MB
beam01                                      1     22     24     0.0     0.2     2.6   341 B    1 MB
beam01                                      0      1      8     0.0     0.1     0.1       0    2 KB
```

The following example aggregates the CIFS performance for all of the CIFS servers on the node “MFIT-01”:

```
PS C:\Toolkit\3.0> Invoke-NcSysstat -Cifs -Node MFIT-01 -Aggregated -Count 5

Name                                    RdOps  WrOps TotOps   RdLat   WrLat  TotLat
----                                    -----  ----- ------   -----   -----  ------
MFIT-01                                     0    152    155     0.0     0.3     0.3
MFIT-01                                     0    153    156     0.0     0.3     0.3
MFIT-01                                     0    121    123     0.0     0.3     0.3
MFIT-01                                     0    154    158     0.0     0.3     0.3
MFIT-01                                     0    155    157     0.0     0.3     0.3
```

The CIFS, iSCSI, FCP, and Volume performance statistics can be aggregated by node or Vserver.

Appendix B Cisco Nexus 5548UP Configurations for 2000 User Mixed Workload

Cisco Nexus 5548UP-A

```
N5548UP-A# sh running-config
!Command: show running-config
!Time: Tue Aug 13 18:36:57 2013

version 5.2(1)N1(1)
feature fcoe
logging level feature-mgr 0
hostname N5548UP-A
feature npiv
feature telnet
cfs eth distribute
feature interface-vlan
```

```
feature hsrp
feature lacp
feature vpc
feature lldp

banner motd #Nexus 5000 Switch
#

ip domain-lookup
logging event link-status default
ip access-list acl-storage
  10 permit ip any any
class-map type qos class-fcoe
class-map type qos match-all class-gold
  match cos 4
class-map type qos match-all class-bronze
  match cos 1
class-map type qos match-all class-silver
  match cos 2
class-map type qos match-all class-platinum
  match cos 5
class-map type qos match-all cm-qos-nastore
  match access-group name acl-storage
class-map type qos match-all cm-qos-storage

  match access-group name acl-storage
class-map type queuing class-fcoe
  match qos-group 1
class-map type queuing class-gold
  match qos-group 3
class-map type queuing class-bronze
  match qos-group 5
class-map type queuing class-silver
  match qos-group 4
class-map type queuing class-platinum
  match qos-group 2
class-map type queuing class-all-flood
  match qos-group 2
class-map type queuing class-ip-multicast
  match qos-group 2
policy-map type qos pm-qos-nastore
  class cm-qos-nastore
    set qos-group 2
  class class-default
policy-map type qos pm-qos-storage
  class cm-qos-storage
    set qos-group 2
  class class-default
policy-map type qos system_qos_policy
  class class-platinum
    set qos-group 2
  class class-silver
    set qos-group 4
  class class-bronze
    set qos-group 5
  class class-gold
    set qos-group 3
  class class-fcoe
    set qos-group 1
```

```
  class cm-qos-storage
    set qos-group 2
  class class-default
policy-map type queuing system_q_in_policy
  class type queuing class-fcoe

    bandwidth percent 14
  class type queuing class-platinum
    bandwidth percent 22
  class type queuing class-gold
    bandwidth percent 20
  class type queuing class-silver
    bandwidth percent 18
  class type queuing class-bronze
    bandwidth percent 15
  class type queuing class-default
    bandwidth percent 11
policy-map type queuing system_q_out_policy
  class type queuing class-fcoe
    bandwidth percent 14
  class type queuing class-platinum
    bandwidth percent 22
  class type queuing class-gold
    bandwidth percent 20
  class type queuing class-silver
    bandwidth percent 18
  class type queuing class-bronze
    bandwidth percent 15
  class type queuing class-default
    bandwidth percent 11
class-map type network-qos class-fcoe
  match qos-group 1
class-map type network-qos class-gold
  match qos-group 3
class-map type network-qos class-bronze
  match qos-group 5
class-map type network-qos class-silver
  match qos-group 4
class-map type network-qos class-platinum
  match qos-group 2
class-map type network-qos class-all-flood
  match qos-group 2
class-map type network-qos class-ip-multicast
  match qos-group 2
policy-map type network-qos system_nq_policy

  class type network-qos class-platinum
    mtu 9216
    set cos 5
  class type network-qos class-silver
  class type network-qos class-bronze
  class type network-qos class-gold
  class type network-qos class-fcoe
    pause no-drop
    mtu 2158
  class type network-qos class-default
    multicast-optimize
system qos
  service-policy type qos input system_qos_policy
```

```
  service-policy type queuing input system_q_in_policy
  service-policy type queuing output system_q_out_policy
  service-policy type network-qos system_nq_policy
slot 1
slot 2
  provision model N55-M8P8FP
snmp-server user admin network-admin auth md5 0xe9ffdef984e3778fa0237fc8b0a8faa
1 priv 0xe9ffdef984e3778fa0237fc8b0a8faa1 localizedkey
vrf context management
  ip route 0.0.0.0/0 10.218.160.1
vlan 1
vlan 329
  name uplink2_R2E04-3750-Sw1EDGE
vlan 800
  name ML-VDA
vlan 801
  name ML-DC-VM-MGMT
vlan 802
  name ML-DC-VMMOTION
vlan 803
  name ML-DC-INF
vlan 804
  name ML-DC-STRG
vlan 850
  name ML_BR-MGMT
vlan 851

  name ML_Launcher-Inf
vlan 852
  name ML_LauncherA
vlan 853
  name ML_LauncherB
vlan 854
  name ML_LauncherC
vlan 860
  name CSC_NetApp-MGMT
vlan 900
  name ML-N1KV_CTRL
vlan 901
vpc domain 10
  role priority 1000
  peer-keepalive destination 10.218.164.121
port-profile default max-ports 512
device-alias database
  device-alias name FAS3270-C0 pwwn 20:01:00:a0:98:14:93:b6
  device-alias name FAS3270-LIF2-C0 pwwn 20:02:00:a0:98:14:93:b6
  device-alias name B200M3-CH3-BL1-fc0 pwwn 20:00:00:25:b5:c1:00:9f
  device-alias name B200M3-CH3-BL2-fc0 pwwn 20:00:00:25:b5:c1:00:7f
  device-alias name B200M3-CH3-BL3-fc0 pwwn 20:00:00:25:b5:c1:00:5f
  device-alias name B200M3-CH3-BL4-fc0 pwwn 20:00:00:25:b5:c1:00:8f
  device-alias name B200M3-CH3-BL5-fc0 pwwn 20:00:00:25:b5:c1:00:0f
  device-alias name B200M3-CH3-BL6-fc0 pwwn 20:00:00:25:b5:c1:00:2e
  device-alias name B200M3-CH3-BL7-fc0 pwwn 20:00:00:25:b5:c1:00:1f
  device-alias name B200M3-CH3-BL8-fc0 pwwn 20:00:00:25:b5:c1:00:6d
  device-alias name B200M3-CH4-BL1-fc0 pwwn 20:00:00:25:b5:c1:00:af
  device-alias name B200M3-CH4-BL2-fc0 pwwn 20:00:00:25:b5:c1:00:0e
  device-alias name B200M3-CH4-BL3-fc0 pwwn 20:00:00:25:b5:c1:00:1e
  device-alias name B200M3-CH4-BL4-fc0 pwwn 20:00:00:25:b5:c1:00:bd
  device-alias name B200M3-CH4-BL5-fc0 pwwn 20:00:00:25:b5:c1:00:ad
```

```
  device-alias name B200M3-CH4-BL6-fc0 pwwn 20:00:00:25:b5:c1:00:7e
  device-alias name B200M3-CH4-BL7-fc0 pwwn 20:00:00:25:b5:c1:00:4e
  device-alias name B200M3-CH4-BL8-fc0 pwwn 20:00:00:25:b5:c1:00:7d
  device-alias name B200M3-CH5-BL1-fc0 pwwn 20:00:00:25:b5:c1:00:6f
  device-alias name B200M3-CH5-BL2-fc0 pwwn 20:00:00:25:b5:c1:00:4f
  device-alias name B200M3-CH5-BL3-fc0 pwwn 20:00:00:25:b5:c1:00:2f
  device-alias name B200M3-CH5-BL4-fc0 pwwn 20:00:00:25:b5:c1:00:3f
  device-alias name B200M3-CH5-BL5-fc0 pwwn 20:00:00:25:b5:c1:00:6e
  device-alias name B200M3-CH5-BL6-fc0 pwwn 20:00:00:25:b5:c1:00:4d
  device-alias name B200M3-CH6-BL1-fc0 pwwn 20:00:00:25:b5:c1:00:3e
  device-alias name B200M3-CH6-BL2-fc0 pwwn 20:00:00:25:b5:c1:00:be
  device-alias name B200M3-CH6-BL3-fc0 pwwn 20:00:00:25:b5:c1:00:ae
  device-alias name B200M3-CH6-BL4-fc0 pwwn 20:00:00:25:b5:c1:00:8e
  device-alias name B200M3-CH6-BL5-fc0 pwwn 20:00:00:25:b5:c1:00:9e
  device-alias name B200M3-CH6-BL6-fc0 pwwn 20:00:00:25:b5:c1:00:8d
  device-alias name B200M3-CH6-BL7-fc0 pwwn 20:00:00:25:b5:c1:00:9d
  device-alias name B200M3-CH6-BL8-fc0 pwwn 20:00:00:25:b5:c1:00:5e
  device-alias name B230M2-CH1-BL1-fc0 pwwn 20:00:00:25:b5:c1:00:5d
  device-alias name B230M2-CH1-BL2-fc0 pwwn 20:00:00:25:b5:c1:00:2d
  device-alias name B230M2-CH1-BL3-fc0 pwwn 20:00:00:25:b5:c1:00:3d
  device-alias name B230M2-CH1-BL4-fc0 pwwn 20:00:00:25:b5:c1:00:0d
  device-alias name B230M2-CH1-BL5-fc0 pwwn 20:00:00:25:b5:c1:00:1d

device-alias commit

fcdomain fcid database


  vsan 1 wwn 20:49:54:7f:ee:76:d9:00 fcid 0xa30000 dynamic
  vsan 1 wwn 20:4a:54:7f:ee:76:d9:00 fcid 0xa30020 dynamic
  vsan 1 wwn 20:4d:54:7f:ee:76:d9:00 fcid 0xa30001 dynamic
  vsan 1 wwn 20:4e:54:7f:ee:76:d9:00 fcid 0xa30021 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:af fcid 0xa30002 dynamic
!            [B200M3-CH4-BL1-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:9f fcid 0xa30022 dynamic
!            [B200M3-CH3-BL1-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:7f fcid 0xa30003 dynamic
!            [B200M3-CH3-BL2-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:5a fcid 0xa30004 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:7c fcid 0xa30005 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:9b fcid 0xa30023 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:3a fcid 0xa30006 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:9e fcid 0xa30024 dynamic
!            [B200M3-CH6-BL5-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:aa fcid 0xa30025 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:7d fcid 0xa30007 dynamic
!            [B200M3-CH4-BL8-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:3e fcid 0xa30026 dynamic
!            [B200M3-CH6-BL1-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:1d fcid 0xa30008 dynamic
!            [B230M2-CH1-BL5-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:3b fcid 0xa30027 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:3f fcid 0xa30009 dynamic
!            [B200M3-CH5-BL4-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:9c fcid 0xa30028 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:ad fcid 0xa30029 dynamic
!            [B200M3-CH4-BL5-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:5d fcid 0xa3000a dynamic
!            [B230M2-CH1-BL1-fc0]
```

```
  vsan 1 wwn 20:00:00:25:b5:c1:00:1e fcid 0xa3000b dynamic
!            [B200M3-CH4-BL3-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:5c fcid 0xa3000c dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:3d fcid 0xa3002a dynamic
!            [B230M2-CH1-BL3-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:7b fcid 0xa3000d dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:3c fcid 0xa3002b dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:7a fcid 0xa3002c dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:1f fcid 0xa3002d dynamic
!            [B200M3-CH3-BL7-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:ae fcid 0xa3000e dynamic
!            [B200M3-CH6-BL3-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:ab fcid 0xa3002e dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:1b fcid 0xa3000f dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:9a fcid 0xa30010 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:1c fcid 0xa3002f dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:ac fcid 0xa30030 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:9d fcid 0xa30031 dynamic
!            [B200M3-CH6-BL7-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:5b fcid 0xa30011 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:7e fcid 0xa30012 dynamic
!            [B200M3-CH4-BL6-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:5f fcid 0xa30032 dynamic
!            [B200M3-CH3-BL3-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:5e fcid 0xa30013 dynamic
!            [B200M3-CH6-BL8-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:1a fcid 0xa30033 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:a9 fcid 0xa30034 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:17 fcid 0xa30014 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:49 fcid 0xa30015 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:69 fcid 0xa30035 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:c6 fcid 0xa30016 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:68 fcid 0xa30036 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:37 fcid 0xa30017 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:a6 fcid 0xa30037 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:77 fcid 0xa30018 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:89 fcid 0xa30038 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:88 fcid 0xa30019 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:09 fcid 0xa30039 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:86 fcid 0xa3001a dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:08 fcid 0xa3003a dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:28 fcid 0xa3001b dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:29 fcid 0xa3001c dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:97 fcid 0xa3003b dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:b7 fcid 0xa3003c dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:a8 fcid 0xa3003d dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:57 fcid 0xa3001d dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:48 fcid 0xa3001e dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:66 fcid 0xa3001f dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:46 fcid 0xa3003e dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:26 fcid 0xa3003f dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:06 fcid 0xa30040 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:95 fcid 0xa30060 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:b5 fcid 0xa30041 dynamic
  vsan 1 wwn 20:01:00:a0:98:14:93:b6 fcid 0xa30102 dynamic
!            [FAS3270-C0]
  vsan 1 wwn 20:02:00:a0:98:14:93:b6 fcid 0xa300c2 dynamic
!            [FAS3270-LIF2-C0]
  vsan 1 wwn 20:03:00:a0:98:14:93:b6 fcid 0xa300a2 dynamic
```

```
  vsan 1 wwn 20:04:00:a0:98:14:93:b6 fcid 0xa30082 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:0e fcid 0xa30120 dynamic
!            [B200M3-CH4-BL2-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:6d fcid 0xa30042 dynamic
!            [B200M3-CH3-BL8-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:6e fcid 0xa30043 dynamic
!            [B200M3-CH5-BL5-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:8d fcid 0xa30044 dynamic
!            [B200M3-CH6-BL6-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:8e fcid 0xa30045 dynamic
!            [B200M3-CH6-BL4-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:be fcid 0xa30121 dynamic
!            [B200M3-CH6-BL2-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:4e fcid 0xa30046 dynamic
!            [B200M3-CH4-BL7-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:bd fcid 0xa30122 dynamic
!            [B200M3-CH4-BL4-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:4d fcid 0xa30123 dynamic
!            [B200M3-CH5-BL6-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:2f fcid 0xa30047 dynamic
!            [B200M3-CH5-BL3-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:0f fcid 0xa30048 dynamic
!            [B200M3-CH3-BL5-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:4f fcid 0xa30124 dynamic
!            [B200M3-CH5-BL2-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:2e fcid 0xa30049 dynamic
!            [B200M3-CH3-BL6-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:6f fcid 0xa3004a dynamic
!            [B200M3-CH5-BL1-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:8f fcid 0xa30125 dynamic
!            [B200M3-CH3-BL4-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:2d fcid 0xa30126 dynamic
!            [B230M2-CH1-BL2-fc0]
  vsan 1 wwn 20:00:00:25:b5:c1:00:0d fcid 0xa3004b dynamic
!            [B230M2-CH1-BL4-fc0]


interface Vlan1

interface Vlan804
  no shutdown
  mtu 9216
  ip address 192.168.11.2/25
  hsrp version 2
  hsrp 804
    preempt
    priority 110
    ip 192.168.11.1

interface port-channel5
  description PC-TO-6248-A
  switchport mode trunk
  vpc 5

interface port-channel7
  description PC-TO-6248-B
  switchport mode trunk
  vpc 7
```

```
interface port-channel10
  description VPC-PEER-2-PORT-CHANNEL
  switchport mode trunk
  switchport trunk allowed vlan 1,800-804,850-854,900-901
  spanning-tree port type edge trunk
  vpc peer-link

interface port-channel17
  switchport mode trunk
  switchport trunk allowed vlan 1,800-804,850-854,900-901
  spanning-tree port type edge trunk

  service-policy type qos input pm-qos-storage
  vpc 17

interface port-channel18
  switchport mode trunk
  switchport trunk allowed vlan 1,800-804,850-854,900-901
  spanning-tree port type edge trunk
  service-policy type qos input pm-qos-storage
  vpc 18

interface port-channel19
  switchport mode trunk
  switchport trunk allowed vlan 1,800-804,850-854,900-901
  spanning-tree port type edge trunk
  service-policy type qos input pm-qos-storage
  vpc 19

interface port-channel20
  switchport mode trunk
  switchport trunk allowed vlan 1,800-804,850-854,900-901
  spanning-tree port type edge trunk
  service-policy type qos input pm-qos-storage
  vpc 20

interface port-channel25
  switchport mode trunk
  switchport trunk allowed vlan 1,860
  spanning-tree port type edge trunk
  vpc 25

interface fc2/1
  no shutdown

interface fc2/2
  no shutdown

interface fc2/3
  no shutdown

interface fc2/4
  no shutdown

interface fc2/5
  no shutdown

interface fc2/6
  no shutdown
```

```
interface fc2/7
  no shutdown

interface fc2/8
  no shutdown

interface Ethernet1/1
  description uplink2 R3E05U36-5820-CSC-Main P1
  switchport mode trunk
  switchport trunk allowed vlan 800-804,850-854,860

interface Ethernet1/2
  switchport mode trunk
  switchport trunk allowed vlan 329

interface Ethernet1/3

interface Ethernet1/4

interface Ethernet1/5
  description R4E06-3270B-e1B
  untagged cos 5
  switchport mode trunk
  switchport trunk allowed vlan 1,800-804,850-854,900-901
  spanning-tree port type edge
  channel-group 17 mode active

interface Ethernet1/6
  description R4E06-3270A-e1B
  switchport mode trunk

  switchport trunk allowed vlan 1,800-804,850-854,900-901
  spanning-tree port type edge
  channel-group 18 mode active

interface Ethernet1/7
  description R4E08-3270B-e1B
  switchport mode trunk
  switchport trunk allowed vlan 1,800-804,850-854,900-901
  spanning-tree port type edge
  channel-group 19 mode active

interface Ethernet1/8
  description R4E08-3270A-e1B
  switchport mode trunk
  switchport trunk allowed vlan 1,800-804,850-854,900-901
  spanning-tree port type edge
  channel-group 20 mode active

interface Ethernet1/9

interface Ethernet1/10

interface Ethernet1/11

interface Ethernet1/12

interface Ethernet1/13
```

```
interface Ethernet1/14

interface Ethernet1/15
  description VPC-LINK-TO-N5548UP-A
  switchport mode trunk
  switchport trunk allowed vlan 1,800-804,850-854,900-901
  channel-group 10 mode active

interface Ethernet1/16
  description VPC-LINK-TO-N5548UP-A
  switchport mode trunk

  switchport trunk allowed vlan 1,800-804,850-854,900-901
  channel-group 10 mode active

interface Ethernet1/17

interface Ethernet1/18

interface Ethernet1/19

interface Ethernet1/20

interface Ethernet1/21

interface Ethernet1/22

interface Ethernet1/23

interface Ethernet1/24

interface Ethernet1/25

interface Ethernet1/26

interface Ethernet1/27

interface Ethernet1/28
  description R3E05U32-5801-CSC-P49
  switchport mode trunk
  switchport trunk allowed vlan 1,860
  channel-group 25 mode active

interface Ethernet1/29
  switchport mode trunk
  channel-group 5 mode active

interface Ethernet1/30
  switchport mode trunk
  channel-group 5 mode active


interface Ethernet1/31
  switchport mode trunk
  channel-group 7 mode active

interface Ethernet1/32
  switchport mode trunk
```

```
  channel-group 7 mode active

interface Ethernet2/1

interface Ethernet2/2

interface Ethernet2/3

interface Ethernet2/4

interface Ethernet2/5

interface Ethernet2/6

interface Ethernet2/7

interface Ethernet2/8

interface mgmt0
  ip address 10.218.164.120/21
line console
line vty
boot kickstart bootflash:/n5000-uk9-kickstart.5.2.1.N1.1.bin
boot system bootflash:/n5000-uk9.5.2.1.N1.1.bin
ip route 0.0.0.0/0 10.218.255.73
interface fc2/1
interface fc2/2
interface fc2/3
interface fc2/4
interface fc2/5
interface fc2/6
interface fc2/7
interface fc2/8

!Full Zone Database Section for vsan 1
zone name B200M3-CH3-BL1-FC0 vsan 1
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
    member pwwn 20:00:00:25:b5:c1:00:9f
!               [B200M3-CH3-BL1-fc0]
    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]

zone name B230M2-CH1-SERVER2-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:9f
!               [B200M3-CH3-BL1-fc0]

zone name B230M2-CH1-SERVER3-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:7f
!               [B200M3-CH3-BL2-fc0]


zone name B230M2-CH1-SERVER4-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:3c


zone name B230M2-CH1-SERVER5-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:1d
!               [B230M2-CH1-BL5-fc0]
```

```
zone name B230M2-CH1-SERVER6-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:ad
!               [B200M3-CH4-BL5-fc0]

zone name B230M2-CH1-SERVER7-FC0 vsan 1

    member pwwn 20:00:00:25:b5:c1:00:9e
!               [B200M3-CH6-BL5-fc0]

zone name B200M3-CH2-SERVER1-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:1a

zone name B200M3-CH2-SERVER2-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:c6

zone name B200M3-CH2-SERVER3-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:57

zone name B200M3-CH2-SERVER4-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:b7

zone name B200M3-CH2-SERVER5-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:48


zone name B200M3-CH2-SERVER6-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:b5

zone name B200M3-CH2-SERVER7-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:49

zone name B200M3-CH3-SERVER1-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:86

zone name B200M3-CH3-SERVER2-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:17

zone name B200M3-CH3-SERVER3-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:77
zone name B200M3-CH3-SERVER4-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:08


zone name B200M3-CH3-SERVER5-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:68

zone name B200M3-CH3-SERVER6-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:09

zone name B200M3-CH3-SERVER7-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:69


zone name B200M3-CH3-SERVER8-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:a9

zone name B200M3-CH4-SERVER1-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:a6
```

```
zone name B200M3-CH4-SERVER2-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:37

zone name B200M3-CH4-SERVER3-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:97


zone name B200M3-CH4-SERVER4-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:28

zone name B200M3-CH4-SERVER5-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:88
zone name B200M3-CH4-SERVER6-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:29

zone name B200M3-CH4-SERVER7-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:89

zone name B230M2-CH5-SERVER1-FC0 vsan 1
        member pwwn 20:00:00:25:b5:c1:00:7a

zone name B230M2-CH5-SERVER2-FC0 vsan 1

    member pwwn 20:00:00:25:b5:c1:00:3b

zone name B230M2-CH5-SERVER3-FC0 vsan 1

    member pwwn 20:00:00:25:b5:c1:00:ab

zone name B230M2-CH5-SERVER4-FC0 vsan 1

    member pwwn 20:00:00:25:b5:c1:00:9c

zone name B230M2-CH5-SERVER5-FC0 vsan 1

    member pwwn 20:00:00:25:b5:c1:00:7d
!               [B200M3-CH4-BL8-fc0]

zone name B230M2-CH5-SERVER6-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:5e
!               [B200M3-CH6-BL8-fc0]

zone name B230M2-CH5-SERVER7-FC0 vsan 1
        member pwwn 20:00:00:25:b5:c1:00:3f
!               [B200M3-CH5-BL4-fc0]

zone name B230M2-CH6-SERVER1-FC0 vsan 1

    member pwwn 20:00:00:25:b5:c1:00:3a

zone name B230M2-CH6-SERVER2-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:aa

zone name B230M2-CH6-SERVER3-FC0 vsan 1

    member pwwn 20:00:00:25:b5:c1:00:7b
```

```
zone name B230M2-CH6-SERVER4-FC0 vsan 1

    member pwwn 20:00:00:25:b5:c1:00:5c

zone name B230M2-CH6-SERVER5-FC0 vsan 1

    member pwwn 20:00:00:25:b5:c1:00:3d
!               [B230M2-CH1-BL3-fc0]

zone name B230M2-CH6-SERVER6-FC0 vsan 1

    member pwwn 20:00:00:25:b5:c1:00:1e
!               [B200M3-CH4-BL3-fc0]

zone name B230M2-CH6-SERVER7-FC0 vsan 1

    member pwwn 20:00:00:25:b5:c1:00:ae
!               [B200M3-CH6-BL3-fc0]

zone name B230M2-CH7-SERVER1-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:5a



zone name B230M2-CH7-SERVER2-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:1b

zone name B230M2-CH7-SERVER3-FC0 vsan 1

    member pwwn 20:00:00:25:b5:c1:00:9b

zone name B230M2-CH7-SERVER4-FC0 vsan 1
        member pwwn 20:00:00:25:b5:c1:00:7c

zone name B230M2-CH7-SERVER5-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:5d
!               [B230M2-CH1-BL1-fc0]

zone name B230M2-CH7-SERVER6-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:3e
!               [B200M3-CH6-BL1-fc0]

zone name B230M2-CH7-SERVER7-FC0 vsan 1

    member pwwn 20:00:00:25:b5:c1:00:1f
!               [B200M3-CH3-BL7-fc0]

zone name B230M2-CH8-SERVER1-FC0 vsan 1

    member pwwn 20:00:00:25:b5:c1:00:9a


zone name B230M2-CH8-SERVER2-FC0 vsan 1

    member pwwn 20:00:00:25:b5:c1:00:5b

zone name B230M2-CH8-SERVER3-FC0 vsan 1

    member pwwn 20:00:00:25:b5:c1:00:1c
```

```
zone name B230M2-CH8-SERVER4-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:ac

zone name B230M2-CH8-SERVER5-FC0 vsan 1

    member pwwn 20:00:00:25:b5:c1:00:9d
!               [B200M3-CH6-BL7-fc0]

zone name B230M2-CH8-SERVER6-FC0 vsan 1

    member pwwn 20:00:00:25:b5:c1:00:7e
!               [B200M3-CH4-BL6-fc0]

zone name B230M2-CH8-SERVER7-FC0 vsan 1
     member pwwn 20:00:00:25:b5:c1:00:5f
!               [B200M3-CH3-BL3-fc0]

zone name B230M2-CH8-SERVER8-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:46


zone name B230M2-CH1-SERVER8-FC0 vsan 1

    member pwwn 20:00:00:25:b5:c1:00:66

zone name B230M2-CH6-SERVER8-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:06

zone name B230M2-CH7-SERVER8-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:26


zone name B200M3-CH2-SERVER8-FC0 vsan 1

    member pwwn 20:00:00:25:b5:c1:00:c6

zone name B200M3-CH4-SERVER8-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:95

zone name B200M3-CH3-SERVER-5-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:bf
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
zone name B200M3-CH4-SERVER-2-fc0 vsan 1
zone name B200M3-CH4-SERVER-4 vsan 1
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
zone name B200M3-CH4-SERVER-2-FC0 vsan 1
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
    member pwwn 20:00:00:25:b5:c1:00:af
!               [B200M3-CH4-BL1-fc0]

zone name B200M3-CH3-BL2-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:7f
!               [B200M3-CH3-BL2-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
```

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    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]

zone name B200M3-CH3-BL3-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:5f
!               [B200M3-CH3-BL3-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]

zone name B200M3-CH3-BL4-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:8f
!               [B200M3-CH3-BL4-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]

zone name B200M3-CH3-BL5-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:0f
!               [B200M3-CH3-BL5-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]

zone name B200M3-CH3-BL6-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:2e
!               [B200M3-CH3-BL6-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
    member pwwn 20:02:00:a0:98:14:93:b6

!               [FAS3270-LIF2-C0]

zone name B200M3-CH3-BL7-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:1f
!               [B200M3-CH3-BL7-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]

zone name B200M3-CH3-BL8-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:6d
!               [B200M3-CH3-BL8-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]

zone name B200M3-CH4-BL1-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:af
!               [B200M3-CH4-BL1-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]
```

```
zone name B200M3-CH4-BL2-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:0e
!               [B200M3-CH4-BL2-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]

zone name B200M3-CH4-BL3-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:1e
!               [B200M3-CH4-BL3-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]

    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]

zone name B200M3-CH4-BL4-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:bd
!               [B200M3-CH4-BL4-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]

zone name B200M3-CH4-BL5-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:ad
!               [B200M3-CH4-BL5-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]

zone name B200M3-CH4-BL6-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:7e
!               [B200M3-CH4-BL6-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]

zone name B200M3-CH4-BL7-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:4e
!               [B200M3-CH4-BL7-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]

zone name B200M3-CH4-BL8-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:7d
!               [B200M3-CH4-BL8-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6

!               [FAS3270-C0]
    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]
```

```
zone name B200M3-CH5-BL1-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:6f
!               [B200M3-CH5-BL1-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]

zone name B200M3-CH5-BL2-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:4f
!               [B200M3-CH5-BL2-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]

zone name B200M3-CH5-BL3-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:2f
!               [B200M3-CH5-BL3-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]

zone name B200M3-CH5-BL4-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:3f
!               [B200M3-CH5-BL4-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]

zone name B200M3-CH5-BL5-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:6e
!               [B200M3-CH5-BL5-fc0]

    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]

zone name B200M3-CH5-BL6-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:4d
!               [B200M3-CH5-BL6-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]

zone name B200M3-CH6-BL1-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:3e
!               [B200M3-CH6-BL1-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]

zone name B200M3-CH6-BL2-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:be
```

```
!               [B200M3-CH6-BL2-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]

zone name B200M3-CH6-BL3-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:ae
!               [B200M3-CH6-BL3-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]

zone name B200M3-CH6-BL4-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:8e

!               [B200M3-CH6-BL4-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]

zone name B200M3-CH6-BL5-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:9e
!               [B200M3-CH6-BL5-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]

zone name B200M3-CH6-BL6-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:8d
!               [B200M3-CH6-BL6-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]

zone name B200M3-CH6-BL7-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:9d
!               [B200M3-CH6-BL7-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]

zone name B200M3-CH6-BL8-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:5e
!               [B200M3-CH6-BL8-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]

zone name B200M3-CH1-BL1-FC0 vsan 1

    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
```

```
zone name B200M3-CH1-BL2-FC0 vsan 1
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]

zone name B200M3-CH1-BL3-FC0 vsan 1
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]

zone name B200M3-CH1-BL4-FC0 vsan 1
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]

zone name B200M3-CH1-BL5-FC0 vsan 1
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]

zone name B230M2-CH1-BL1-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:5d
!               [B230M2-CH1-BL1-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]

zone name B230M2-CH1-BL2-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:2d
!               [B230M2-CH1-BL2-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]

zone name B230M2-CH1-BL3-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:3d
!               [B230M2-CH1-BL3-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6

!               [FAS3270-C0]
    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]

zone name B230M2-CH1-BL4-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:0d
!               [B230M2-CH1-BL4-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]

zone name B230M2-CH1-BL5-FC0 vsan 1
    member pwwn 20:00:00:25:b5:c1:00:1d
!               [B230M2-CH1-BL5-fc0]
    member pwwn 20:01:00:a0:98:14:93:b6
!               [FAS3270-C0]
    member pwwn 20:02:00:a0:98:14:93:b6
!               [FAS3270-LIF2-C0]

zoneset name DC-UCS-POD-A vsan 1
```

```
    member B200M3-CH3-BL1-FC0
    member B200M3-CH3-BL2-FC0
    member B200M3-CH3-BL3-FC0
    member B200M3-CH3-BL4-FC0
    member B200M3-CH3-BL5-FC0
    member B200M3-CH3-BL6-FC0
    member B200M3-CH3-BL7-FC0
    member B200M3-CH3-BL8-FC0
    member B200M3-CH4-BL1-FC0
    member B200M3-CH4-BL2-FC0
    member B200M3-CH4-BL3-FC0
    member B200M3-CH4-BL4-FC0
    member B200M3-CH4-BL5-FC0
    member B200M3-CH4-BL6-FC0
    member B200M3-CH4-BL7-FC0
    member B200M3-CH4-BL8-FC0
    member B200M3-CH5-BL1-FC0
    member B200M3-CH5-BL2-FC0
    member B200M3-CH5-BL3-FC0
    member B200M3-CH5-BL4-FC0
    member B200M3-CH5-BL5-FC0
    member B200M3-CH5-BL6-FC0
    member B200M3-CH6-BL1-FC0
    member B200M3-CH6-BL2-FC0
    member B200M3-CH6-BL3-FC0
    member B200M3-CH6-BL4-FC0
    member B200M3-CH6-BL5-FC0
    member B200M3-CH6-BL6-FC0
    member B200M3-CH6-BL7-FC0
    member B200M3-CH6-BL8-FC0
    member B230M2-CH1-BL1-FC0
    member B230M2-CH1-BL2-FC0
    member B230M2-CH1-BL3-FC0
    member B230M2-CH1-BL4-FC0
    member B230M2-CH1-BL5-FC0

zoneset name CD-UCS-POD-A vsan 1

zoneset activate name DC-UCS-POD-A vsan 1


N5548UP-A# exit
```

Cisco Nexus 5548UP-B

```
N5548UP-B# sh running-config
!Command: show running-config
!Time: Tue Aug 13 18:53:22 2013

version 5.2(1)N1(1)
feature fcoe
logging level feature-mgr 0
hostname N5548UP-B
feature npiv
feature telnet
cfs eth distribute
feature interface-vlan
feature hsrp
```

```
feature lacp
feature vpc
feature lldp

banner motd #Nexus 5000 Switch
#

ip domain-lookup

logging event link-status default
ip access-list acl-storage
  10 permit ip any any
class-map type qos class-fcoe
class-map type qos match-all class-gold
  match cos 4
class-map type qos match-all class-bronze
  match cos 1
class-map type qos match-all class-silver
  match cos 2
class-map type qos match-all class-platinum
  match cos 5
class-map type qos match-all cm-qos-nastore
  match access-group name acl-storage
class-map type qos match-all cm-qos-storage
  match access-group name acl-storage
class-map type queuing class-fcoe
  match qos-group 1
class-map type queuing class-gold
  match qos-group 3
class-map type queuing class-bronze
  match qos-group 5
class-map type queuing class-silver

  match qos-group 4
class-map type queuing class-platinum
  match qos-group 2
class-map type queuing class-all-flood
  match qos-group 2
class-map type queuing class-ip-multicast
  match qos-group 2
policy-map type qos pm-qos-nastore
  class cm-qos-nastore
    set qos-group 5
  class class-default
policy-map type qos pm-qos-storage
  class cm-qos-storage
    set qos-group 2
  class class-default
policy-map type qos system_qos_policy
  class class-platinum
    set qos-group 2
  class class-silver
    set qos-group 4
  class class-bronze
    set qos-group 5
  class class-gold
    set qos-group 3
  class class-fcoe
    set qos-group 1
```

```
  class class-default
policy-map type queuing system_q_in_policy
  class type queuing class-fcoe
    bandwidth percent 14
  class type queuing class-platinum
    bandwidth percent 22
  class type queuing class-gold
    bandwidth percent 20
  class type queuing class-silver
    bandwidth percent 18
  class type queuing class-bronze
    bandwidth percent 15
  class type queuing class-default
    bandwidth percent 11
policy-map type queuing system_q_out_policy
  class type queuing class-fcoe
    bandwidth percent 14
  class type queuing class-platinum
    bandwidth percent 22
  class type queuing class-gold
    bandwidth percent 20
  class type queuing class-silver
    bandwidth percent 18
  class type queuing class-bronze
    bandwidth percent 15
  class type queuing class-default
    bandwidth percent 11
class-map type network-qos class-fcoe
  match qos-group 1
class-map type network-qos class-gold
  match qos-group 3
class-map type network-qos class-bronze
  match qos-group 5
class-map type network-qos class-silver
  match qos-group 4
class-map type network-qos class-platinum
  match qos-group 2
class-map type network-qos class-all-flood
  match qos-group 2
class-map type network-qos class-ip-multicast
  match qos-group 2
policy-map type network-qos system_nq_policy
  class type network-qos class-platinum
    mtu 9216
    set cos 5
  class type network-qos class-silver
  class type network-qos class-bronze
  class type network-qos class-gold
  class type network-qos class-fcoe
    pause no-drop
    mtu 2158
  class type network-qos class-default
    multicast-optimize
system qos
  service-policy type qos input system_qos_policy
  service-policy type queuing input system_q_in_policy
  service-policy type queuing output system_q_out_policy
  service-policy type network-qos system_nq_policy
snmp-server user admin network-admin auth md5 0x7e352b106a1735fa03b1e8d75e42c608
```

```
 priv 0x7e352b106a1735fa03b1e8d75e42c608 localizedkey
vrf context management
  ip route 0.0.0.0/0 10.218.160.1
vlan 1
vlan 800
  name ML-VDA
vlan 801
  name ML-DC-VM-MGMT
vlan 802
  name ML-DC-VMMOTION
vlan 803
  name ML-DC-INF
vlan 804
  name ML-DC-STRG
vlan 850
  name ML_BR-MGMT
vlan 851
  name ML_Launcher-Inf
vlan 852
  name ML_LauncherA
vlan 853
  name ML_LauncherB
vlan 854
  name ML_LauncherC
vlan 860
  name CSC_NetApp-MGMT
vlan 900
  name ML-N1KV_CTRL
vlan 901
vpc domain 10

  role priority 1000
  peer-keepalive destination 10.218.164.120
port-profile default max-ports 512
device-alias database
  device-alias name FAS3270-D0 pwwn 20:05:00:a0:98:14:93:b6
  device-alias name FAS3270-LF2-D0 pwwn 20:06:00:a0:98:14:93:b6
  device-alias name B200M3-CH3-BL1-fc1 pwwn 20:00:00:25:b5:c1:00:8a
  device-alias name B200M3-CH3-BL2-fc1 pwwn 20:00:00:25:b5:c1:00:bc
  device-alias name B200M3-CH3-BL3-fc1 pwwn 20:00:00:25:b5:c1:00:1b
  device-alias name B200M3-CH3-BL4-fc1 pwwn 20:00:00:25:b5:c1:00:9a
  device-alias name B200M3-CH3-BL5-fc1 pwwn 20:00:00:25:b5:c1:00:2b
  device-alias name B200M3-CH3-BL6-fc1 pwwn 20:00:00:25:b5:c1:00:5b
  device-alias name B200M3-CH3-BL7-fc1 pwwn 20:00:00:25:b5:c1:00:7b
  device-alias name B200M3-CH3-BL8-fc1 pwwn 20:00:00:25:b5:c1:00:8c
  device-alias name B200M3-CH4-BL1-fc1 pwwn 20:00:00:25:b5:c1:00:6a
  device-alias name B200M3-CH4-BL2-fc1 pwwn 20:00:00:25:b5:c1:00:8b
  device-alias name B200M3-CH4-BL3-fc1 pwwn 20:00:00:25:b5:c1:00:bb
  device-alias name B200M3-CH4-BL4-fc1 pwwn 20:00:00:25:b5:c1:00:0c
  device-alias name B200M3-CH4-BL5-fc1 pwwn 20:00:00:25:b5:c1:00:2c
  device-alias name B200M3-CH4-BL6-fc1 pwwn 20:00:00:25:b5:c1:00:7c
  device-alias name B200M3-CH4-BL7-fc1 pwwn 20:00:00:25:b5:c1:00:9c
  device-alias name B200M3-CH4-BL8-fc1 pwwn 20:00:00:25:b5:c1:00:bf
  device-alias name B200M3-CH5-BL1-fc1 pwwn 20:00:00:25:b5:c1:00:aa
  device-alias name B200M3-CH5-BL2-fc1 pwwn 20:00:00:25:b5:c1:00:ba
  device-alias name B200M3-CH5-BL3-fc1 pwwn 20:00:00:25:b5:c1:00:0b
  device-alias name B200M3-CH5-BL4-fc1 pwwn 20:00:00:25:b5:c1:00:3b
  device-alias name B200M3-CH5-BL5-fc1 pwwn 20:00:00:25:b5:c1:00:5c
  device-alias name B200M3-CH5-BL6-fc1 pwwn 20:00:00:25:b5:c1:00:4b
```

```
  device-alias name B200M3-CH6-BL1-fc1 pwwn 20:00:00:25:b5:c1:00:6b
  device-alias name B200M3-CH6-BL2-fc1 pwwn 20:00:00:25:b5:c1:00:9b
  device-alias name B200M3-CH6-BL3-fc1 pwwn 20:00:00:25:b5:c1:00:ab
  device-alias name B200M3-CH6-BL4-fc1 pwwn 20:00:00:25:b5:c1:00:1c
  device-alias name B200M3-CH6-BL5-fc1 pwwn 20:00:00:25:b5:c1:00:3c
  device-alias name B200M3-CH6-BL6-fc1 pwwn 20:00:00:25:b5:c1:00:4c
  device-alias name B200M3-CH6-BL7-fc1 pwwn 20:00:00:25:b5:c1:00:6c
  device-alias name B200M3-CH6-BL8-fc1 pwwn 20:00:00:25:b5:c1:00:ac
  device-alias name B230M2-CH1-BL1-fc1 pwwn 20:00:00:25:b5:c1:00:3a
  device-alias name B230M2-CH1-BL2-fc1 pwwn 20:00:00:25:b5:c1:00:2a
  device-alias name B230M2-CH1-BL3-fc1 pwwn 20:00:00:25:b5:c1:00:5a
  device-alias name B230M2-CH1-BL4-fc1 pwwn 20:00:00:25:b5:c1:00:4a
  device-alias name B230M2-CH1-BL5-fc1 pwwn 20:00:00:25:b5:c1:00:7a

device-alias commit

fcdomain fcid database

  vsan 1 wwn 20:49:54:7f:ee:76:ce:40 fcid 0xad0000 dynamic
  vsan 1 wwn 20:4a:54:7f:ee:76:ce:40 fcid 0xad0020 dynamic
  vsan 1 wwn 20:4d:54:7f:ee:76:ce:40 fcid 0xad0001 dynamic
  vsan 1 wwn 20:4e:54:7f:ee:76:ce:40 fcid 0xad0021 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:bf fcid 0xad0002 dynamic
!            [B200M3-CH4-BL8-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:8f fcid 0xad0022 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:6f fcid 0xad0003 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:4a fcid 0xad0004 dynamic
!            [B230M2-CH1-BL4-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:6c fcid 0xad0005 dynamic
!            [B200M3-CH6-BL7-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:8b fcid 0xad0023 dynamic
!            [B200M3-CH4-BL2-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:2a fcid 0xad0024 dynamic
!            [B230M2-CH1-BL2-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:8e fcid 0xad0025 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:ba fcid 0xad0026 dynamic
!            [B200M3-CH5-BL2-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:6d fcid 0xad0027 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:2e fcid 0xad0006 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:0d fcid 0xad0007 dynamic

  vsan 1 wwn 20:00:00:25:b5:c1:00:2b fcid 0xad0008 dynamic
!            [B200M3-CH3-BL5-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:2f fcid 0xad0028 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:8c fcid 0xad0009 dynamic
!            [B200M3-CH3-BL8-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:bd fcid 0xad0029 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:4d fcid 0xad002a dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:0e fcid 0xad002b dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:4c fcid 0xad000a dynamic
!            [B200M3-CH6-BL6-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:2d fcid 0xad000b dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:6b fcid 0xad002c dynamic
!            [B200M3-CH6-BL1-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:2c fcid 0xad000c dynamic
!            [B200M3-CH4-BL5-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:6a fcid 0xad000d dynamic
!            [B200M3-CH4-BL1-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:0f fcid 0xad002d dynamic
```

```
  vsan 1 wwn 20:00:00:25:b5:c1:00:be fcid 0xad002e dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:bb fcid 0xad000e dynamic
!            [B200M3-CH4-BL3-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:0b fcid 0xad000f dynamic
!            [B200M3-CH5-BL3-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:4e fcid 0xad002f dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:0a fcid 0xad0010 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:8a fcid 0xad0030 dynamic
!            [B200M3-CH3-BL1-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:bc fcid 0xad0011 dynamic
!            [B200M3-CH3-BL2-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:0c fcid 0xad0031 dynamic
!            [B200M3-CH4-BL4-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:4b fcid 0xad0012 dynamic
!            [B200M3-CH5-BL6-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:4f fcid 0xad0032 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:8d fcid 0xad0013 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:6e fcid 0xad0033 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:b9 fcid 0xad0034 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:27 fcid 0xad0035 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:59 fcid 0xad0014 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:79 fcid 0xad0015 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:07 fcid 0xad0016 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:78 fcid 0xad0036 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:47 fcid 0xad0017 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:b6 fcid 0xad0037 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:87 fcid 0xad0018 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:99 fcid 0xad0038 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:98 fcid 0xad0019 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:19 fcid 0xad0039 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:96 fcid 0xad001a dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:18 fcid 0xad003a dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:38 fcid 0xad001b dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:39 fcid 0xad003b dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:a7 fcid 0xad001c dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:c7 fcid 0xad003c dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:b8 fcid 0xad003d dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:67 fcid 0xad001d dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:58 fcid 0xad001e dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:76 fcid 0xad001f dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:56 fcid 0xad003e dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:36 fcid 0xad003f dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:16 fcid 0xad0040 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:a5 fcid 0xad0041 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:c5 fcid 0xad0042 dynamic
  vsan 1 wwn 20:05:00:a0:98:14:93:b6 fcid 0xad0102 dynamic
!            [FAS3270-D0]
  vsan 1 wwn 20:06:00:a0:98:14:93:b6 fcid 0xad00c2 dynamic
!            [FAS3270-LF2-D0]
  vsan 1 wwn 20:07:00:a0:98:14:93:b6 fcid 0xad00a2 dynamic
  vsan 1 wwn 20:08:00:a0:98:14:93:b6 fcid 0xad0082 dynamic
  vsan 1 wwn 20:00:00:25:b5:c1:00:5c fcid 0xad0043 dynamic
!            [B200M3-CH5-BL5-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:7c fcid 0xad0044 dynamic
!            [B200M3-CH4-BL6-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:3c fcid 0xad0045 dynamic
!            [B200M3-CH6-BL5-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:1c fcid 0xad0046 dynamic
!            [B200M3-CH6-BL4-fc1]
```

```
  vsan 1 wwn 20:00:00:25:b5:c1:00:ac fcid 0xad0047 dynamic
!            [B200M3-CH6-BL8-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:9c fcid 0xad0048 dynamic
!            [B200M3-CH4-BL7-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:ab fcid 0xad0049 dynamic
!            [B200M3-CH6-BL3-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:1b fcid 0xad004a dynamic
!            [B200M3-CH3-BL3-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:9b fcid 0xad004b dynamic
!            [B200M3-CH6-BL2-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:7b fcid 0xad004c dynamic
!            [B200M3-CH3-BL7-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:aa fcid 0xad004d dynamic
!            [B200M3-CH5-BL1-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:3b fcid 0xad004e dynamic
!            [B200M3-CH5-BL4-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:9a fcid 0xad004f dynamic
!            [B200M3-CH3-BL4-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:5b fcid 0xad0050 dynamic
!            [B200M3-CH3-BL6-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:7a fcid 0xad0051 dynamic
!            [B230M2-CH1-BL5-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:3a fcid 0xad0052 dynamic
!            [B230M2-CH1-BL1-fc1]
  vsan 1 wwn 20:00:00:25:b5:c1:00:5a fcid 0xad0053 dynamic
!            [B230M2-CH1-BL3-fc1]


interface Vlan1

interface Vlan804
  no shutdown
  ip address 192.168.11.3/25
  hsrp version 2
  hsrp 804
    preempt
    priority 110
    ip 192.168.11.1

interface port-channel5
  description PC-TO-6248-A
  switchport mode trunk
  vpc 5

interface port-channel7
  description PC-TO-6248-B
  switchport mode trunk
  vpc 7

interface port-channel10
  description VPC-PEER-2-PORT-CHANNEL
  switchport mode trunk
  spanning-tree port type network
  vpc peer-link

interface port-channel17
  switchport mode trunk
  switchport trunk allowed vlan 1,800-804,850-854,900-901
  spanning-tree port type edge trunk
```

```
  service-policy type qos input pm-qos-storage
  vpc 17

interface port-channel18
  switchport mode trunk
  switchport trunk allowed vlan 1,800-804,850-854,900-901
  spanning-tree port type edge trunk
  service-policy type qos input pm-qos-storage
  vpc 18

interface port-channel19

  switchport mode trunk
  switchport trunk allowed vlan 1,800-804,850-854,900-901
  spanning-tree port type edge trunk
  service-policy type qos input pm-qos-storage
  vpc 19

interface port-channel20
  switchport mode trunk
  switchport trunk allowed vlan 1,800-804,850-854,900-901
  spanning-tree port type edge trunk
  service-policy type qos input pm-qos-storage
  vpc 20

interface port-channel25
  switchport mode trunk
  switchport trunk allowed vlan 1,860
  spanning-tree port type edge trunk
  vpc 25

interface fc2/1
  no shutdown

interface fc2/2

  no shutdown

interface fc2/3
  no shutdown

interface fc2/4
  no shutdown

interface fc2/5
  no shutdown

interface fc2/6
  no shutdown

interface fc2/7
  no shutdown

interface fc2/8
  no shutdown

interface Ethernet1/1
  description uplink2 R3E05U36-5820-CSC-Main P2
  switchport trunk allowed vlan 800-804,850-854,860
```

```
interface Ethernet1/2

interface Ethernet1/3
  description R1E10U06-Altiris
  switchport access vlan 801

interface Ethernet1/4

interface Ethernet1/5
  description R4E06-3270B-e2B
  untagged cos 5
  switchport mode trunk
  switchport trunk allowed vlan 1,800-804,850-854,900-901
  spanning-tree port type edge
  channel-group 17 mode active

interface Ethernet1/6
  description R4E06-3270A-e2B
  switchport mode trunk
  switchport trunk allowed vlan 1,800-804,850-854,900-901
  spanning-tree port type edge
  channel-group 18 mode active



interface Ethernet1/7
  description R4E08-3270B-e2B
  switchport mode trunk
  switchport trunk allowed vlan 1,800-804,850-854,900-901
  spanning-tree port type edge
  channel-group 19 mode active

interface Ethernet1/8
  description R4E08-3270A-e2B
  switchport mode trunk
  switchport trunk allowed vlan 1,800-804,850-854,900-901
  spanning-tree port type edge
  channel-group 20 mode active

interface Ethernet1/9

interface Ethernet1/10

interface Ethernet1/11

interface Ethernet1/12


interface Ethernet1/13

interface Ethernet1/14

interface Ethernet1/15
  description VPC-LINK-TO-N5548UP-B
  switchport mode trunk
  channel-group 10 mode active
```

```
interface Ethernet1/16
  description VPC-LINK-TO-N5548UP-B
  switchport mode trunk
  channel-group 10 mode active

interface Ethernet1/17

interface Ethernet1/18

interface Ethernet1/19

interface Ethernet1/20

interface Ethernet1/21



interface Ethernet1/22

interface Ethernet1/23

interface Ethernet1/24

interface Ethernet1/25

interface Ethernet1/26

interface Ethernet1/27

interface Ethernet1/28
  description R3E05U32-5801-CSC-P50
  switchport mode trunk
  switchport trunk allowed vlan 1,860
  channel-group 25 mode active

interface Ethernet1/29
  switchport mode trunk
  channel-group 7 mode active


interface Ethernet1/30
  switchport mode trunk
  channel-group 7 mode active

interface Ethernet1/31
  switchport mode trunk
  channel-group 5 mode active

interface Ethernet1/32
  switchport mode trunk
  channel-group 5 mode active

interface Ethernet2/1

interface Ethernet2/2

interface Ethernet2/3
```

```
interface Ethernet2/4

interface Ethernet2/5

interface Ethernet2/6

interface Ethernet2/7
  switchport mode trunk

interface Ethernet2/8
  switchport mode trunk

interface mgmt0
  ip address 10.218.164.121/21
line console
line vty
boot kickstart bootflash:/n5000-uk9-kickstart.5.2.1.N1.1.bin
boot system bootflash:/n5000-uk9.5.2.1.N1.1.bin
ip route 0.0.0.0/0 10.218.255.73
interface fc2/1
interface fc2/2
interface fc2/3
interface fc2/4
interface fc2/5
interface fc2/6
interface fc2/7
interface fc2/8
!Full Zone Database Section for vsan 1

zone name B200M3-CH3-BL7-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:7b
!               [B200M3-CH3-BL7-fc1]

zone name B200M3-CH3-BL8-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:8c
!               [B200M3-CH3-BL8-fc1]

zone name B200M3-CH4-BL1-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:6a
!               [B200M3-CH4-BL1-fc1]

zone name B200M3-CH4-BL2-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:8b
```

```
!               [B200M3-CH4-BL2-fc1]

zone name B200M3-CH4-BL3-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:bb
!               [B200M3-CH4-BL3-fc1]

zone name B200M3-CH4-BL4-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:0c

!               [B200M3-CH4-BL4-fc1]

zone name B200M3-CH4-BL5-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:2c
!               [B200M3-CH4-BL5-fc1]

zone name B200M3-CH4-BL6-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:7c
!               [B200M3-CH4-BL6-fc1]

zone name B200M3-CH4-BL7-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]

    member pwwn 20:00:00:25:b5:c1:00:9c
!               [B200M3-CH4-BL7-fc1]

zone name B200M3-CH4-BL8-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:bf
!               [B200M3-CH4-BL8-fc1]

zone name B200M3-CH5-BL1-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:aa
!               [B200M3-CH5-BL1-fc1]
```

```
zone name B200M3-CH5-BL2-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6

!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:ba
!               [B200M3-CH5-BL2-fc1]

zone name B200M3-CH5-BL3-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:0b
!               [B200M3-CH5-BL3-fc1]

zone name B200M3-CH5-BL4-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:3b
!               [B200M3-CH5-BL4-fc1]

zone name B200M3-CH5-BL5-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]

    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:5c
!               [B200M3-CH5-BL5-fc1]

zone name B200M3-CH5-BL6-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:4b
!               [B200M3-CH5-BL6-fc1]

zone name B200M3-CH6-BL1-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:6b
!               [B200M3-CH6-BL1-fc1]

zone name B200M3-CH6-BL2-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6

!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:9b
!               [B200M3-CH6-BL2-fc1]
```

```
zone name B200M3-CH6-BL3-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:ab
!               [B200M3-CH6-BL3-fc1]

zone name B200M3-CH6-BL4-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:1c
!               [B200M3-CH6-BL4-fc1]

zone name B200M3-CH6-BL5-FC1A vsan 1

    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:3c
!               [B200M3-CH6-BL5-fc1]

zone name B200M3-CH6-BL6-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:4c
!               [B200M3-CH6-BL6-fc1]

zone name B200M3-CH6-BL7-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:6c
!               [B200M3-CH6-BL7-fc1]

zone name B200M3-CH6-BL8-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:ac
!               [B200M3-CH6-BL8-fc1]

zone name B200M3-CH3-BL2-FC0 vsan 1
zone name B230M2-CH1-BL1-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:3a
!               [B230M2-CH1-BL1-fc1]
```

```
zone name B230M2-CH1-BL2-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:2a
!               [B230M2-CH1-BL2-fc1]

zone name B230M2-CH1-BL3-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:5a
!               [B230M2-CH1-BL3-fc1]

zone name B230M2-CH1-BL4-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:4a
!               [B230M2-CH1-BL4-fc1]

zone name B230M2-CH1-BL5-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:7a
!               [B230M2-CH1-BL5-fc1]

zone name B200M3-CH3-BL1-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:8a
!               [B200M3-CH3-BL1-fc1]

zone name B200M3-CH3-BL2-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:bc
!               [B200M3-CH3-BL2-fc1]

zone name B200M3-CH3-BL3-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:1b
!               [B200M3-CH3-BL3-fc1]

zone name B200M3-CH3-BL4-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
```

```
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:9a
!               [B200M3-CH3-BL4-fc1]

zone name B200M3-CH3-BL5-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:2b
!               [B200M3-CH3-BL5-fc1]

zone name B200M3-CH3-BL6-FC1A vsan 1
    member pwwn 20:05:00:a0:98:14:93:b6
!               [FAS3270-D0]
    member pwwn 20:06:00:a0:98:14:93:b6
!               [FAS3270-LF2-D0]
    member pwwn 20:00:00:25:b5:c1:00:5b
!               [B200M3-CH3-BL6-fc1]

zoneset name DC-UCS-POD-B vsan 1
    member B200M3-CH3-BL7-FC1A
    member B200M3-CH3-BL8-FC1A
    member B200M3-CH4-BL1-FC1A
    member B200M3-CH4-BL2-FC1A
    member B200M3-CH4-BL3-FC1A
    member B200M3-CH4-BL4-FC1A
    member B200M3-CH4-BL5-FC1A
    member B200M3-CH4-BL6-FC1A
    member B200M3-CH4-BL7-FC1A
    member B200M3-CH4-BL8-FC1A
    member B200M3-CH5-BL1-FC1A
    member B200M3-CH5-BL2-FC1A
    member B200M3-CH5-BL3-FC1A
    member B200M3-CH5-BL4-FC1A
    member B200M3-CH5-BL5-FC1A
    member B200M3-CH5-BL6-FC1A
    member B200M3-CH6-BL1-FC1A
    member B200M3-CH6-BL2-FC1A
    member B200M3-CH6-BL3-FC1A
    member B200M3-CH6-BL4-FC1A
    member B200M3-CH6-BL5-FC1A
    member B200M3-CH6-BL6-FC1A
    member B200M3-CH6-BL7-FC1A
    member B200M3-CH6-BL8-FC1A
    member B230M2-CH1-BL1-FC1A
    member B230M2-CH1-BL2-FC1A
    member B230M2-CH1-BL3-FC1A
    member B230M2-CH1-BL4-FC1A
    member B230M2-CH1-BL5-FC1A
    member B200M3-CH3-BL1-FC1A
    member B200M3-CH3-BL2-FC1A
    member B200M3-CH3-BL3-FC1A
    member B200M3-CH3-BL4-FC1A
    member B200M3-CH3-BL5-FC1A
    member B200M3-CH3-BL6-FC1A

zoneset activate name DC-UCS-POD-B vsan 1
```

```
N5548UP-B#  exit
```