

Appendix A – Cisco Nexus 5548UP Configurations for 2000 User Mixed Workload

Cisco Nexus 5548UP-A

```
stl5548-I5-2-a# sh ru
!Command: show running-config
!Time: Fri Jan 24 15:28:02 2014

version 6.0(2)N2(2)
feature fcoe
hostname stl5548-I5-2-a
feature npiv
no feature telnet
cfs ipv4 distribute
cfs eth distribute
feature udd
feature lacp
feature vpc
feature lldp
username admin password 5 $1$.IYOjbmG$f21fkBl2adrldK6Qkgio. role network-admin
ip domain-lookup
ip name-server 172.20.48.15 172.20.48.16 use-vrf management
ip access-list Classify_Gold
  10 permit ip 172.20.48.0/20 any
  20 permit ip any 172.20.48.0/20
ip access-list Classify_Platinum
  10 permit ip 172.20.74.0/24 any
  20 permit ip any 172.20.74.0/24
ip access-list Classify_Silver
  10 permit ip 172.20.73.0/24 any
  20 permit ip any 172.20.73.0/24
class-map type qos match-all class-Gold
  match cos 4
class-map type qos match-all Gold_Traffic
  match access-group name Classify_Gold
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 Silver_Traffic
```

```
    match access-group name Classify_Silver
class-map type qos match-all class-Platinum
    match cos 5
class-map type qos match-all Platinum_Traffic
    match access-group name Classify_Platinum
class-map type queuing Gold_Q
    match qos-group 4
class-map type queuing Bronze_Q
    match qos-group 2
class-map type queuing Silver_Q
    match qos-group 3
class-map type queuing Platinum_Q
    match qos-group 5
policy-map type qos FlexPod
    class Platinum_Traffic
        set qos-group 5
    class class-Platinum
        set qos-group 5
    class Gold_Traffic
        set qos-group 4
    class class-Gold
        set qos-group 4
    class Silver_Traffic
        set qos-group 3
    class class-Silver
        set qos-group 3
    class class-Bronze
        set qos-group 2
    class class-fcoe
        set qos-group 1
policy-map type queuing FlexPod_Q
    class type queuing Platinum_Q
        bandwidth percent 22
    class type queuing Gold_Q
        bandwidth percent 20
    class type queuing Silver_Q
        bandwidth percent 18
    class type queuing Bronze_Q
        bandwidth percent 15
    class type queuing class-fcoe
        bandwidth percent 14
    class type queuing class-default
        bandwidth percent 11
class-map type network-qos Gold_NQ
    match qos-group 4
class-map type network-qos Bronze_NQ
```

```
    match qos-group 2
class-map type network-qos Silver_NQ
    match qos-group 3
class-map type network-qos Platinum_NQ
    match qos-group 5
policy-map type network-qos jumbo
class type network-qos class-fcoe
    pause no-drop
    mtu 2158
class type network-qos class-default
    mtu 9216
    multicast-optimize
policy-map type network-qos FlexPod_NQ
class type network-qos Platinum_NQ
    set cos 5
    mtu 9216
    pause no-drop
class type network-qos Gold_NQ
    set cos 4
class type network-qos Silver_NQ
    set cos 2
class type network-qos Bronze_NQ
    set cos 1
    mtu 9216
class type network-qos class-fcoe
    pause no-drop
    mtu 2158
class type network-qos class-default
    mtu 9216
    multicast-optimize
system qos
service-policy type queuing input FlexPod_Q
service-policy type queuing output FlexPod_Q
service-policy type qos input FlexPod
service-policy type network-qos FlexPod_NQ
policy-map type control-plane copp-system-policy-customized
class copp-system-class-hsrp-vrrp
    police cir 1024 kbps bc 256000 bytes
class copp-system-class-l3dest-miss
    police cir 64 kbps bc 16000 bytes
control-plane
    service-policy input copp-system-policy-customized
snmp-server user admin network-admin auth md5 0x6d86beba9ad4a6f2a53c9b43a5240a20
priv 0x6d86beba9ad4a6f2a53c9b43a5240a20 localizedkey
ntp server 172.20.72.4 use-vrf management
vrf context management
```

```
ip route 0.0.0.0/0 172.20.72.1
vlan 1,6
vlan 140
    name INFRSTRCTRE-NFS/ISCSI
vlan 500
    fcoe vsan 500
    name FCoE_Fabric_A
vlan 1172
    name SISBULab-Net1172-10.63.172/24
vlan 3040-3047

vlan 3048
    name VM-Network
vlan 3073
    name IB-MGMT-VLAN
vlan 3074
    name Storage-VLAN
vlan 3075
    name vMotion-VLAN
spanning-tree port type edge bpduguard default
spanning-tree port type network default
port-channel load-balance ethernet source-dest-port
vpc domain 40
    role priority 10
    peer-keepalive destination 172.20.72.171 source 172.20.72.170
    delay restore 180
    auto-recovery
port-profile default max-ports 512
vsan database
    vsan 500 name "Fabric_A"
device-alias database
    device-alias name fcp_lif01a pwwn 20:01:00:a0:98:1b:3c:64
    device-alias name fcp_lif02a pwwn 20:03:00:a0:98:1b:3c:64
    device-alias name LoginVSI-01_A pwwn 20:00:00:25:b5:00:0a:12
    device-alias name LoginVSI-02_A pwwn 20:00:00:25:b5:00:0a:13
    device-alias name LoginVSI-03_A pwwn 20:00:00:25:b5:00:0a:09
    device-alias name LoginVSI-04_A pwwn 20:00:00:25:b5:00:0a:0a
    device-alias name LoginVSI-05_A pwwn 20:00:00:25:b5:00:0a:0b
    device-alias name VM-Host-Infra-01_A pwwn 20:00:00:25:b5:00:0a:00
    device-alias name VM-Host-Infra-02_A pwwn 20:00:00:25:b5:00:0a:01
    device-alias name XenDesktopHVD-01_A pwwn 20:00:00:25:b5:00:0a:10
    device-alias name XenDesktopHVD-02_A pwwn 20:00:00:25:b5:00:0a:11
    device-alias name XenDesktopHVD-03_A pwwn 20:00:00:25:b5:00:0a:02
    device-alias name XenDesktopHVD-04_A pwwn 20:00:00:25:b5:00:0a:14
    device-alias name XenDesktopHVD-05_A pwwn 20:00:00:25:b5:00:0a:15
    device-alias name XenDesktopHVD-06_A pwwn 20:00:00:25:b5:00:0a:16
```

device-alias name XenDesktopHVD-07_A pwwn 20:00:00:25:b5:00:0a:20
device-alias name XenDesktopHVD-08_A pwwn 20:00:00:25:b5:00:0a:21
device-alias name XenDesktopRDS-01_A pwwn 20:00:00:25:b5:00:0a:03
device-alias name XenDesktopRDS-02_A pwwn 20:00:00:25:b5:00:0a:04
device-alias name XenDesktopRDS-03_A pwwn 20:00:00:25:b5:00:0a:05
device-alias name XenDesktopRDS-04_A pwwn 20:00:00:25:b5:00:0a:06
device-alias name XenDesktopRDS-05_A pwwn 20:00:00:25:b5:00:0a:07
device-alias name XenDesktopRDS-06_A pwwn 20:00:00:25:b5:00:0a:08

device-alias commit

fcdomain fcid database

vsan 500 wwn 50:0a:09:81:8d:9d:84:fb fcid 0xef0000 dynamic
vsan 500 wwn 50:0a:09:81:8d:1e:60:34 fcid 0xef0020 dynamic
vsan 500 wwn 50:0a:09:81:8d:50:a6:8a fcid 0xef0040 dynamic
vsan 500 wwn 50:0a:09:81:8d:b0:a5:cb fcid 0xef0060 dynamic
vsan 500 wwn 50:0a:09:81:8d:a0:a6:8a fcid 0xef0041 dynamic
vsan 500 wwn 50:0a:09:81:8d:10:a6:8a fcid 0xef0042 dynamic
vsan 500 wwn 50:0a:09:81:8d:e0:a5:cb fcid 0xef0061 dynamic
vsan 500 wwn 50:0a:09:81:8d:3d:84:fb fcid 0xef0001 dynamic
vsan 500 wwn 50:0a:09:81:8d:e0:a6:8a fcid 0xef0043 dynamic
vsan 500 wwn 50:0a:09:81:8d:40:a5:cb fcid 0xef0062 dynamic
vsan 500 wwn 50:0a:09:81:8d:2d:84:fb fcid 0xef0002 dynamic
vsan 500 wwn 50:0a:09:81:8d:5e:60:34 fcid 0xef0021 dynamic
vsan 500 wwn 20:01:00:a0:98:1c:81:5e fcid 0xef0003 dynamic
vsan 500 wwn 20:03:00:a0:98:1c:81:5e fcid 0xef0022 dynamic
vsan 500 wwn 20:05:00:a0:98:1c:81:5e fcid 0xef0044 dynamic
vsan 500 wwn 20:07:00:a0:98:1c:81:5e fcid 0xef0063 dynamic
vsan 500 wwn 23:f7:54:7f:ee:9e:ba:3f fcid 0xef0080 dynamic
vsan 500 wwn 23:cc:54:7f:ee:9e:ba:3f fcid 0xef0081 dynamic
vsan 500 wwn 20:00:00:25:b5:d0:00:28 fcid 0xef0082 dynamic
vsan 500 wwn 20:00:00:25:b5:d0:00:3b fcid 0xef0083 dynamic
vsan 500 wwn 20:00:00:25:b5:d0:00:1c fcid 0xef0084 dynamic
vsan 500 wwn 20:00:00:25:b5:d0:00:3c fcid 0xef0085 dynamic
vsan 500 wwn 20:00:00:25:b5:d0:00:1d fcid 0xef0086 dynamic
vsan 500 wwn 20:00:00:25:b5:d0:00:3d fcid 0xef0087 dynamic
vsan 500 wwn 20:00:00:25:b5:d0:00:3e fcid 0xef0088 dynamic
vsan 500 wwn 20:00:00:25:b5:d0:00:3f fcid 0xef0089 dynamic
vsan 500 wwn 20:00:00:25:b5:d0:00:1f fcid 0xef008a dynamic
vsan 500 wwn 20:00:00:25:b5:d0:00:1e fcid 0xef008b dynamic
vsan 500 wwn 20:00:00:25:b5:d0:00:1b fcid 0xef008c dynamic
vsan 500 wwn 20:00:00:25:b5:d0:00:3a fcid 0xef008d dynamic
vsan 500 wwn 20:00:00:25:b5:d0:00:1a fcid 0xef008e dynamic
vsan 500 wwn 20:00:00:25:b5:d0:00:29 fcid 0xef008f dynamic
vsan 500 wwn 20:00:00:25:b5:d0:00:09 fcid 0xef0090 dynamic

vsan 500 wwn 20:00:00:25:b5:d0:00:08 fcid 0xef0091 dynamic
vsan 500 wwn 50:0a:09:81:8d:cd:84:fb fcid 0xef0004 dynamic
vsan 500 wwn 50:0a:09:81:8d:8e:60:34 fcid 0xef0023 dynamic
vsan 500 wwn 50:0a:09:81:8d:ae:60:34 fcid 0xef0024 dynamic
vsan 500 wwn 50:0a:09:81:8d:bd:84:fb fcid 0xef0005 dynamic
vsan 500 wwn 50:0a:09:81:8d:30:a5:cb fcid 0xef0064 dynamic
vsan 500 wwn 50:0a:09:81:8d:b0:a6:8a fcid 0xef0045 dynamic
vsan 500 wwn 50:0a:09:81:8d:20:a5:cb fcid 0xef0065 dynamic
vsan 500 wwn 20:01:00:a0:98:1b:3c:64 fcid 0xef0025 dynamic
! [fcplif01a]
vsan 500 wwn 20:03:00:a0:98:1b:3c:64 fcid 0xef0006 dynamic
! [fcplif02a]

vsan 500 wwn 20:00:00:25:b5:00:0a:00 fcid 0xef0092 dynamic
! [VM-Host-Infra-01_A]
vsan 500 wwn 20:00:00:25:b5:00:0a:01 fcid 0xef0093 dynamic
! [VM-Host-Infra-02_A]
vsan 500 wwn 20:00:00:25:b5:00:0a:10 fcid 0xef0094 dynamic
! [XenDesktopHVD-01_A]
vsan 500 wwn 20:00:00:25:b5:00:0a:11 fcid 0xef0095 dynamic
! [XenDesktopHVD-02_A]
vsan 500 wwn 20:00:00:25:b5:00:0a:12 fcid 0xef0096 dynamic
! [LoginVSI-01_A]
vsan 500 wwn 20:00:00:25:b5:00:0a:13 fcid 0xef0097 dynamic
! [LoginVSI-02_A]
vsan 500 wwn 20:00:00:25:b5:00:0a:02 fcid 0xef0098 dynamic
! [XenDesktopHVD-03_A]
vsan 500 wwn 20:00:00:25:b5:00:0a:14 fcid 0xef0099 dynamic
! [XenDesktopHVD-04_A]
vsan 500 wwn 20:00:00:25:b5:00:0a:15 fcid 0xef009a dynamic
! [XenDesktopHVD-05_A]
vsan 500 wwn 20:00:00:25:b5:00:0a:16 fcid 0xef009b dynamic
! [XenDesktopHVD-06_A]
vsan 500 wwn 20:00:00:25:b5:00:0a:20 fcid 0xef009c dynamic
! [XenDesktopHVD-07_A]
vsan 500 wwn 20:00:00:25:b5:00:0a:21 fcid 0xef009d dynamic

! [XenDesktopHVD-08_A]
vsan 500 wwn 20:00:00:25:b5:00:0a:03 fcid 0xef009e dynamic
! [XenDesktopRDS-01_A]
vsan 500 wwn 20:00:00:25:b5:00:0a:04 fcid 0xef009f dynamic
! [XenDesktopRDS-02_A]
vsan 500 wwn 20:00:00:25:b5:00:0a:05 fcid 0xef00c0 dynamic
! [XenDesktopRDS-03_A]
vsan 500 wwn 20:00:00:25:b5:00:0a:06 fcid 0xef00c1 dynamic
! [XenDesktopRDS-04_A]

```
vsan 500 wwn 20:00:00:25:b5:00:0a:07 fcid 0xef00c2 dynamic
!      [XenDesktopRDS-05_A]
vsan 500 wwn 20:00:00:25:b5:00:0a:08 fcid 0xef00c3 dynamic
!      [XenDesktopRDS-06_A]
vsan 500 wwn 50:0a:09:81:8d:be:60:34 fcid 0xef0026 dynamic
vsan 500 wwn 50:0a:09:81:8d:ad:84:fb fcid 0xef0007 dynamic
vsan 500 wwn 50:0a:09:81:8d:70:a6:8a fcid 0xef0046 dynamic
vsan 500 wwn 50:0a:09:81:8d:3e:60:34 fcid 0xef0027 dynamic
vsan 500 wwn 50:0a:09:81:8d:6d:84:fb fcid 0xef0008 dynamic
vsan 500 wwn 50:0a:09:81:8d:0e:60:34 fcid 0xef0028 dynamic
vsan 500 wwn 50:0a:09:81:8d:2e:60:34 fcid 0xef0029 dynamic
vsan 500 wwn 50:0a:09:81:8d:6e:60:34 fcid 0xef002a dynamic
vsan 500 wwn 50:0a:09:81:8d:fe:60:34 fcid 0xef002b dynamic
vsan 500 wwn 50:0a:09:81:8d:00:a6:8a fcid 0xef0047 dynamic
vsan 500 wwn 50:0a:09:81:8d:60:a5:cb fcid 0xef0066 dynamic
vsan 500 wwn 20:0a:00:a0:98:1b:3c:64 fcid 0xef0048 dynamic
vsan 500 wwn 20:06:00:a0:98:1b:3c:64 fcid 0xef002c dynamic
vsan 500 wwn 20:08:00:a0:98:1b:3c:64 fcid 0xef0009 dynamic
vsan 500 wwn 20:0c:00:a0:98:1b:3c:64 fcid 0xef0067 dynamic
vsan 500 wwn 20:00:00:25:b5:00:0a:09 fcid 0xef00c4 dynamic
!      [LoginVSI-03_A]
vsan 500 wwn 50:0a:09:81:8d:10:a5:cb fcid 0xef0068 dynamic
vsan 500 wwn 20:00:00:25:b5:00:0a:0b fcid 0xef00c5 dynamic
!      [LoginVSI-05_A]
vsan 500 wwn 20:00:00:25:b5:00:0a:0a fcid 0xef00c6 dynamic
!      [LoginVSI-04_A]
```

```
interface port-channel11
description stl6248-I5-2-cluster-A
switchport mode trunk
switchport trunk native vlan 6
switchport trunk allowed vlan 3048,3073-3075
spanning-tree port type edge trunk
vpc 11
```

```
interface port-channel12

description stl6248-I5-2-cluster-B
switchport mode trunk
switchport trunk native vlan 6
switchport trunk allowed vlan 3048,3073-3075
spanning-tree port type edge trunk
vpc 12
```

```
interface port-channel17
```

```
description Uplink_vPC
switchport mode trunk
switchport trunk native vlan 6
switchport trunk allowed vlan 3048,3073-3074
spanning-tree port type network
flowcontrol receive on
flowcontrol send on
vpc 17
```

```
interface port-channel21
description ccr-cmode-1-01
switchport mode trunk
switchport trunk native vlan 6
switchport trunk allowed vlan 3048,3073-3074
spanning-tree port type edge trunk

speed 10000
vpc 21
```

```
interface port-channel22
description ccr-cmode-1-02
switchport mode trunk
switchport trunk native vlan 6
switchport trunk allowed vlan 3048,3073-3074
spanning-tree port type edge trunk
speed 10000
vpc 22
```

```
interface port-channel23
description ccr-cmode-1-03
switchport mode trunk
switchport trunk native vlan 6
switchport trunk allowed vlan 3048,3073-3074
spanning-tree port type edge trunk
speed 10000
vpc 23
```

```
interface port-channel24
description ccr-cmode-1-04

switchport mode trunk
switchport trunk native vlan 6
switchport trunk allowed vlan 3048,3073-3074
spanning-tree port type edge trunk
speed 10000
vpc 24
```

```
interface port-channel500
  description stl6248-I5-2-cluster-A:FCoE
  switchport mode trunk
  switchport trunk native vlan 6
  switchport trunk allowed vlan 500
  spanning-tree port type edge trunk
```

```
interface port-channel4096
  description vPC peer-link
  switchport mode trunk
  switchport trunk native vlan 6
  switchport trunk allowed vlan 3048,3073-3075
  spanning-tree port type network
  vpc peer-link
```

```
interface vfc1
  bind interface Ethernet1/1
  switchport trunk allowed vsan 500
  switchport description ccr-cmode-1-01:3a
  no shutdown
```

```
interface vfc2
  bind interface Ethernet1/2
  switchport trunk allowed vsan 500
  switchport description ccr-cmode-1-02:3a
  no shutdown
```

```
interface vfc3
  bind interface Ethernet1/3
  switchport trunk allowed vsan 500
  switchport description ccr-cmode-1-03:3a
  no shutdown
```

```
interface vfc4
  bind interface Ethernet1/4
  switchport trunk allowed vsan 500
  switchport description ccr-cmode-1-04:3a
  no shutdown
```

```
interface vfc500
  bind interface port-channel500
  switchport trunk allowed vsan 500
  switchport description stl6248-I5-2-cluster-A:FCoE
  no shutdown
```

vsan database

vsan 500 interface vfc1

vsan 500 interface vfc2

vsan 500 interface vfc3

vsan 500 interface vfc4

vsan 500 interface vfc500

interface Ethernet1/1

description ccr-cmode-1-01:e3a

switchport mode trunk

switchport trunk native vlan 6

switchport trunk allowed vlan 500

spanning-tree port type edge trunk

interface Ethernet1/2

description ccr-cmode-1-02:e3a

switchport mode trunk

switchport trunk native vlan 6

switchport trunk allowed vlan 500

spanning-tree port type edge trunk

interface Ethernet1/3

description ccr-cmode-1-03:e3a

switchport mode trunk

switchport trunk native vlan 6

switchport trunk allowed vlan 500

spanning-tree port type edge trunk

interface Ethernet1/4

description ccr-cmode-1-04:e3a

switchport mode trunk

switchport trunk native vlan 6

switchport trunk allowed vlan 500

spanning-tree port type edge trunk

interface Ethernet1/5

description ccr-cmode-1-01:e1b

switchport mode trunk

switchport trunk native vlan 6

switchport trunk allowed vlan 3048,3073-3074

channel-group 21 mode active

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interface Ethernet1/6

description ccr-cmode-1-02:e1b

```
switchport mode trunk
switchport trunk native vlan 6
switchport trunk allowed vlan 3048,3073-3074
channel-group 22 mode active
```

```
interface Ethernet1/7
description ccr-cmode-1-03:e1b
switchport mode trunk
switchport trunk native vlan 6
switchport trunk allowed vlan 3048,3073-3074
channel-group 23 mode active
```

```
interface Ethernet1/8
description ccr-cmode-1-04:e1b
switchport mode trunk
switchport trunk native vlan 6
switchport trunk allowed vlan 3048,3073-3074
channel-group 24 mode active
```

```
interface Ethernet1/9
```

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```
interface Ethernet1/10
```

```
interface Ethernet1/11
description stl6248-I5-2-cluster-A:1/19
switchport mode trunk
switchport trunk native vlan 6
switchport trunk allowed vlan 3048,3073-3075
channel-group 11 mode active
```

```
interface Ethernet1/12
description stl6248-I5-2-cluster-B:1/19
switchport mode trunk
switchport trunk native vlan 6
switchport trunk allowed vlan 3048,3073-3075
channel-group 12 mode active
```

```
interface Ethernet1/13
description stl5548-I5-2-b:1/13
switchport mode trunk
switchport trunk native vlan 6
switchport trunk allowed vlan 3048,3073-3075
channel-group 4096 mode active
```

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```
interface Ethernet1/14
  description stl5548-l5-2-b:1/14
  switchport mode trunk
  switchport trunk native vlan 6
  switchport trunk allowed vlan 3048,3073-3075
  channel-group 4096 mode active
```

```
interface Ethernet1/15
```

```
interface Ethernet1/16
```

```
interface Ethernet1/17
  switchport mode trunk
  switchport trunk native vlan 6
  switchport trunk allowed vlan 3048,3073-3074
  flowcontrol receive on
  flowcontrol send on
  channel-group 17 mode active
```

```
interface Ethernet1/18
```

```
interface Ethernet1/19
```

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```
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
```

interface Ethernet1/29

interface Ethernet1/30

interface Ethernet1/31

description stl6248-I5-2-cluster-A:1/31
switchport mode trunk
switchport trunk native vlan 6
switchport trunk allowed vlan 500
channel-group 500 mode active

interface Ethernet1/32

description stl6248-I5-2-cluster-A:1/32
switchport mode trunk
switchport trunk native vlan 6
switchport trunk allowed vlan 500
channel-group 500 mode active

interface mgmt0

ip address 172.20.72.170/24
line console
exec-timeout 0
line vty
session-limit 64
session-limit 64
exec-timeout 0
boot kickstart bootflash:/n5000-uk9-kickstart.6.0.2.N2.2.bin

boot system bootflash:/n5000-uk9.6.0.2.N2.2.bin

!Full Zone Database Section for vsan 500
zone name VM-Host-Infra-01_A vsan 500
member pwwn 20:00:00:25:b5:00:0a:00
!
[VM-Host-Infra-01_A]
member pwwn 20:01:00:a0:98:1b:3c:64
!
[fcp_lif01a]
member pwwn 20:03:00:a0:98:1b:3c:64
!
[fcp_lif02a]

zone name VM-Host-Infra-02_A vsan 500
member pwwn 20:00:00:25:b5:00:0a:01
!
[VM-Host-Infra-02_A]
member pwwn 20:01:00:a0:98:1b:3c:64
!
[fcp_lif01a]
member pwwn 20:03:00:a0:98:1b:3c:64
!
[fcp_lif02a]

zone name XenDesktopHVD-01_A vsan 500
member pwwn 20:00:00:25:b5:00:0a:10
! [XenDesktopHVD-01_A]
member pwwn 20:01:00:a0:98:1b:3c:64
! [fcp_lif01a]

member pwwn 20:03:00:a0:98:1b:3c:64
! [fcp_lif02a]

zone name XenDesktopHVD-02_A vsan 500
member pwwn 20:00:00:25:b5:00:0a:11
! [XenDesktopHVD-02_A]
member pwwn 20:01:00:a0:98:1b:3c:64
! [fcp_lif01a]
member pwwn 20:03:00:a0:98:1b:3c:64
! [fcp_lif02a]

zone name LoginVSI-01_A vsan 500
member pwwn 20:00:00:25:b5:00:0a:12
! [LoginVSI-01_A]
member pwwn 20:01:00:a0:98:1b:3c:64
! [fcp_lif01a]
member pwwn 20:03:00:a0:98:1b:3c:64
! [fcp_lif02a]

zone name LoginVSI-02_A vsan 500
member pwwn 20:00:00:25:b5:00:0a:13
! [LoginVSI-02_A]
member pwwn 20:01:00:a0:98:1b:3c:64

! [fcp_lif01a]
member pwwn 20:03:00:a0:98:1b:3c:64
! [fcp_lif02a]

zone name XenDesktopHVD-03_A vsan 500
member pwwn 20:00:00:25:b5:00:0a:02
! [XenDesktopHVD-03_A]
member pwwn 20:01:00:a0:98:1b:3c:64
! [fcp_lif01a]
member pwwn 20:03:00:a0:98:1b:3c:64
! [fcp_lif02a]

zone name XenDesktopHVD-04_A vsan 500
member pwwn 20:00:00:25:b5:00:0a:14
! [XenDesktopHVD-04_A]
member pwwn 20:01:00:a0:98:1b:3c:64

```
!      [fcp_lif01a]
member pwwn 20:03:00:a0:98:1b:3c:64
!      [fcp_lif02a]

zone name XenDesktopHVD-05_A vsan 500
member pwwn 20:00:00:25:b5:00:0a:15
!      [XenDesktopHVD-05_A]

member pwwn 20:01:00:a0:98:1b:3c:64
!      [fcp_lif01a]
member pwwn 20:03:00:a0:98:1b:3c:64
!      [fcp_lif02a]

zone name XenDesktopHVD-06_A vsan 500
member pwwn 20:00:00:25:b5:00:0a:16
!      [XenDesktopHVD-06_A]
member pwwn 20:01:00:a0:98:1b:3c:64
!      [fcp_lif01a]
member pwwn 20:03:00:a0:98:1b:3c:64
!      [fcp_lif02a]

zone name XenDesktopHVD-07_A vsan 500
member pwwn 20:00:00:25:b5:00:0a:20
!      [XenDesktopHVD-07_A]
member pwwn 20:01:00:a0:98:1b:3c:64
!      [fcp_lif01a]
member pwwn 20:03:00:a0:98:1b:3c:64
!      [fcp_lif02a]

zone name XenDesktopHVD-08_A vsan 500
member pwwn 20:00:00:25:b5:00:0a:21

!      [XenDesktopHVD-08_A]
member pwwn 20:01:00:a0:98:1b:3c:64
!      [fcp_lif01a]
member pwwn 20:03:00:a0:98:1b:3c:64
!      [fcp_lif02a]

zone name XenDesktopRDS-01_A vsan 500
member pwwn 20:00:00:25:b5:00:0a:03
!      [XenDesktopRDS-01_A]
member pwwn 20:01:00:a0:98:1b:3c:64
!      [fcp_lif01a]
member pwwn 20:03:00:a0:98:1b:3c:64
!      [fcp_lif02a]
```

zone name XenDesktopRDS-02_A vsan 500
member pwwn 20:00:00:25:b5:00:0a:04
! [XenDesktopRDS-02_A]
member pwwn 20:01:00:a0:98:1b:3c:64
! [fcp_lif01a]
member pwwn 20:03:00:a0:98:1b:3c:64
! [fcp_lif02a]
zone name XenDesktopRDS-03_A vsan 500

member pwwn 20:00:00:25:b5:00:0a:05
! [XenDesktopRDS-03_A]
member pwwn 20:01:00:a0:98:1b:3c:64
! [fcp_lif01a]
member pwwn 20:03:00:a0:98:1b:3c:64
! [fcp_lif02a]

zone name XenDesktopRDS-04_A vsan 500
member pwwn 20:00:00:25:b5:00:0a:06
! [XenDesktopRDS-04_A]
member pwwn 20:01:00:a0:98:1b:3c:64
! [fcp_lif01a]
member pwwn 20:03:00:a0:98:1b:3c:64
! [fcp_lif02a]

zone name XenDesktopRDS-05_A vsan 500
member pwwn 20:00:00:25:b5:00:0a:07
! [XenDesktopRDS-05_A]
member pwwn 20:01:00:a0:98:1b:3c:64
! [fcp_lif01a]
member pwwn 20:03:00:a0:98:1b:3c:64
! [fcp_lif02a]

zone name XenDesktopRDS-06_A vsan 500
member pwwn 20:00:00:25:b5:00:0a:08
! [XenDesktopRDS-06_A]
member pwwn 20:01:00:a0:98:1b:3c:64
! [fcp_lif01a]
member pwwn 20:03:00:a0:98:1b:3c:64
! [fcp_lif02a]

zone name LoginVSI-03_A vsan 500
member pwwn 20:00:00:25:b5:00:0a:09
! [LoginVSI-03_A]
member pwwn 20:01:00:a0:98:1b:3c:64
! [fcp_lif01a]
member pwwn 20:03:00:a0:98:1b:3c:64
! [fcp_lif02a]

zone name LoginVSI-04_A vsan 500

```
member pwwn 20:00:00:25:b5:00:0a:0a
! [LoginVSI-04_A]
member pwwn 20:01:00:a0:98:1b:3c:64
! [fcp_lif01a]
member pwwn 20:03:00:a0:98:1b:3c:64
! [fcp_lif02a]
zone name LoginVSI-05_A vsan 500
member pwwn 20:00:00:25:b5:00:0a:0b
! [LoginVSI-05_A]
member pwwn 20:01:00:a0:98:1b:3c:64
! [fcp_lif01a]
member pwwn 20:03:00:a0:98:1b:3c:64
! [fcp_lif02a]
```

```
zoneset name FlexPod vsan 500
member VM-Host-Infra-01_A
member VM-Host-Infra-02_A
member XenDesktopHVD-01_A
member XenDesktopHVD-02_A
member LoginVSI-01_A
member LoginVSI-02_A
member XenDesktopHVD-03_A
member XenDesktopHVD-04_A
member XenDesktopHVD-05_A
member XenDesktopHVD-06_A
member XenDesktopHVD-07_A
member XenDesktopHVD-08_A
member XenDesktopRDS-01_A
member XenDesktopRDS-02_A
member XenDesktopRDS-03_A
member XenDesktopRDS-04_A
member XenDesktopRDS-05_A
member XenDesktopRDS-06_A
member LoginVSI-03_A
member LoginVSI-04_A
member LoginVSI-05_A
```

```
zoneset activate name FlexPod vsan 500
```

Cisco Nexus 5548UP-B

stl5548-I5-2-b# sh ru

!Command: show running-config

!Time: Fri Jan 24 15:17:01 2014

```
version 6.0(2)N2(2)
feature fcoe
hostname stl5548-I5-2-b
feature npiv
no feature telnet
cfs ipv4 distribute
cfs eth distribute
feature udd
feature lacp
feature vpc
feature lldp
username admin password 5 $1$KtCjZcdK$LuhXvxENssiqn6wiBOJMN/ role network-admin
ip domain-lookup
ip name-server 172.20.48.15 172.20.48.16 use-vrf management
ip access-list Classify_Gold
  10 permit ip 172.20.48.0/20 any
  20 permit ip any 172.20.48.0/20
ip access-list Classify_Platinum
  10 permit ip 172.20.74.0/24 any

  20 permit ip any 172.20.74.0/24
ip access-list Classify_Silver
  10 permit ip 172.20.73.0/24 any
  20 permit ip any 172.20.73.0/24
class-map type qos match-all class-Gold
  match cos 4
class-map type qos match-all Gold_Traffic
  match access-group name Classify_Gold
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 Silver_Traffic
  match access-group name Classify_Silver
class-map type qos match-all class-Platinum
  match cos 5
class-map type qos match-all Platinum_Traffic
  match access-group name Classify_Platinum
class-map type queuing Gold_Q
```

```
    match qos-group 4
class-map type queuing Bronze_Q
    match qos-group 2
class-map type queuing Silver_Q
```

```
    match qos-group 3
class-map type queuing Platinum_Q
    match qos-group 5
policy-map type qos FlexPod
    class Platinum_Traffic
        set qos-group 5
    class class-Platinum
        set qos-group 5
    class Gold_Traffic
        set qos-group 4
    class class-Gold
        set qos-group 4
    class Silver_Traffic
        set qos-group 3
    class class-Silver
        set qos-group 3
    class class-Bronze
        set qos-group 2
    class class-fcoe
        set qos-group 1
policy-map type queuing FlexPod_Q
    class type queuing Platinum_Q
        bandwidth percent 22
```

```
class type queuing Gold_Q
    bandwidth percent 20
class type queuing Silver_Q
    bandwidth percent 18
class type queuing Bronze_Q
    bandwidth percent 15
class type queuing class-fcoe
    bandwidth percent 14
class type queuing class-default
    bandwidth percent 11
class-map type network-qos Gold_NQ
    match qos-group 4
class-map type network-qos Bronze_NQ
    match qos-group 2
class-map type network-qos Silver_NQ
    match qos-group 3
class-map type network-qos Platinum_NQ
```

```
match qos-group 5
policy-map type network-qos jumbo
class type network-qos class-fcoe
    pause no-drop
    mtu 2158
class type network-qos class-default

    mtu 9216
    multicast-optimize
policy-map type network-qos FlexPod_NQ
class type network-qos Platinum_NQ
    set cos 5
    mtu 9216
    pause no-drop
class type network-qos Gold_NQ
    set cos 4
class type network-qos Silver_NQ
    set cos 2
class type network-qos Bronze_NQ
    set cos 1
    mtu 9216
class type network-qos class-fcoe
    pause no-drop
    mtu 2158
class type network-qos class-default
    mtu 9216
    multicast-optimize
system qos
service-policy type queuing input FlexPod_Q
service-policy type queuing output FlexPod_Q

service-policy type qos input FlexPod
service-policy type network-qos FlexPod_NQ
policy-map type control-plane copp-system-policy-customized
class copp-system-class-hsrp-vrrp
    police cir 1024 kbps bc 256000 bytes
class copp-system-class-l3dest-miss
    police cir 64 kbps bc 16000 bytes
control-plane
    service-policy input copp-system-policy-customized
snmp-server user admin network-admin auth md5 0x7a3e720672f488c98972356a81c18626
priv 0x7a3e720672f488c98972356a81c18626 localizedkey
ntp server 172.20.72.4 use-vrf management
vrf context management
    ip route 0.0.0.0/0 172.20.72.1
vlan 1,6
```

```
vlan 140
  name INFRSTRCTRE-NFS/ISCSI
vlan 501
  fcoe vsan 501
  name FCoE_Fabric_B
vlan 1172
  name SISBULab-Net1172-10.63.172/24
vlan 3040-3047

vlan 3048
  name VM-Network
vlan 3073
  name IB-MGMT-VLAN
vlan 3074
  name Storage-VLAN
vlan 3075
  name vMotion-VLAN
spanning-tree port type edge bpduguard default
spanning-tree port type network default
port-channel load-balance ethernet source-dest-port
vpc domain 40
  role priority 20
  peer-keepalive destination 172.20.72.170 source 172.20.72.171
  delay restore 180
  auto-recovery
port-profile default max-ports 512
vsan database
  vsan 501 name "Fabric_B"
device-alias database
  device-alias name fcp_lif01b pwwn 20:02:00:a0:98:1b:3c:64
  device-alias name fcp_lif02b pwwn 20:04:00:a0:98:1b:3c:64
  device-alias name LoginVSI-01_B pwwn 20:00:00:25:b5:00:0b:0b

  device-alias name LoginVSI-02_B pwwn 20:00:00:25:b5:00:0b:0c
  device-alias name LoginVSI-03_B pwwn 20:00:00:25:b5:00:0b:12
  device-alias name LoginVSI-04_B pwwn 20:00:00:25:b5:00:0b:13
  device-alias name LoginVSI-05_B pwwn 20:00:00:25:b5:00:0b:14
  device-alias name VM-Host-Infra-01_B pwwn 20:00:00:25:b5:00:0b:00
  device-alias name VM-Host-Infra-02_B pwwn 20:00:00:25:b5:00:0b:08
  device-alias name XenDesktopHVD-01_B pwwn 20:00:00:25:b5:00:0b:09
  device-alias name XenDesktopHVD-02_B pwwn 20:00:00:25:b5:00:0b:0a
  device-alias name XenDesktopHVD-03_B pwwn 20:00:00:25:b5:00:0b:01
  device-alias name XenDesktopHVD-04_B pwwn 20:00:00:25:b5:00:0b:0d
  device-alias name XenDesktopHVD-05_B pwwn 20:00:00:25:b5:00:0b:0e
  device-alias name XenDesktopHVD-06_B pwwn 20:00:00:25:b5:00:0b:0f
  device-alias name XenDesktopHVD-07_B pwwn 20:00:00:25:b5:00:0b:10
```

device-alias name XenDesktopHVD-08_B pwwn 20:00:00:25:b5:00:0b:11
device-alias name XenDesktopRDS-01_B pwwn 20:00:00:25:b5:00:0b:02
device-alias name XenDesktopRDS-02_B pwwn 20:00:00:25:b5:00:0b:03
device-alias name XenDesktopRDS-03_B pwwn 20:00:00:25:b5:00:0b:04
device-alias name XenDesktopRDS-04_B pwwn 20:00:00:25:b5:00:0b:05
device-alias name XenDesktopRDS-05_B pwwn 20:00:00:25:b5:00:0b:06
device-alias name XenDesktopRDS-06_B pwwn 20:00:00:25:b5:00:0b:07

device-alias commit

fcdomain fcid database

vsan 501 wwn 50:0a:09:83:8d:9d:84:fb fcid 0x050000 dynamic
vsan 501 wwn 50:0a:09:83:8d:1e:60:34 fcid 0x050020 dynamic
vsan 501 wwn 50:0a:09:83:8d:50:a6:8a fcid 0x050040 dynamic
vsan 501 wwn 50:0a:09:83:8d:b0:a5:cb fcid 0x050060 dynamic
vsan 501 wwn 50:0a:09:83:8d:a0:a6:8a fcid 0x050041 dynamic
vsan 501 wwn 50:0a:09:83:8d:10:a6:8a fcid 0x050042 dynamic
vsan 501 wwn 50:0a:09:83:8d:e0:a5:cb fcid 0x050061 dynamic
vsan 501 wwn 50:0a:09:83:8d:3d:84:fb fcid 0x050001 dynamic
vsan 501 wwn 50:0a:09:83:8d:e0:a6:8a fcid 0x050043 dynamic
vsan 501 wwn 50:0a:09:83:8d:40:a5:cb fcid 0x050062 dynamic
vsan 501 wwn 50:0a:09:83:8d:2d:84:fb fcid 0x050002 dynamic
vsan 501 wwn 50:0a:09:83:8d:5e:60:34 fcid 0x050021 dynamic
vsan 501 wwn 23:f2:54:7f:ee:9e:ba:ff fcid 0x050080 dynamic
vsan 501 wwn 23:cd:54:7f:ee:9e:ba:ff fcid 0x050081 dynamic
vsan 501 wwn 20:00:00:25:b5:d0:00:38 fcid 0x050082 dynamic
vsan 501 wwn 20:00:00:25:b5:d0:00:2b fcid 0x050083 dynamic
vsan 501 wwn 20:00:00:25:b5:d0:00:0c fcid 0x050084 dynamic
vsan 501 wwn 20:00:00:25:b5:d0:00:2c fcid 0x050085 dynamic
vsan 501 wwn 20:00:00:25:b5:d0:00:0d fcid 0x050086 dynamic
vsan 501 wwn 20:00:00:25:b5:d0:00:2d fcid 0x050087 dynamic
vsan 501 wwn 20:00:00:25:b5:d0:00:2e fcid 0x050088 dynamic
vsan 501 wwn 20:00:00:25:b5:d0:00:2f fcid 0x050089 dynamic

vsan 501 wwn 20:00:00:25:b5:d0:00:18 fcid 0x05008a dynamic
vsan 501 wwn 20:00:00:25:b5:d0:00:19 fcid 0x05008b dynamic
vsan 501 wwn 20:00:00:25:b5:d0:00:39 fcid 0x05008c dynamic
vsan 501 wwn 20:00:00:25:b5:d0:00:0a fcid 0x05008d dynamic
vsan 501 wwn 20:00:00:25:b5:d0:00:2a fcid 0x05008e dynamic
vsan 501 wwn 20:00:00:25:b5:d0:00:0b fcid 0x05008f dynamic
vsan 501 wwn 20:00:00:25:b5:d0:00:0f fcid 0x050090 dynamic
vsan 501 wwn 20:09:00:a0:98:1c:81:5e fcid 0x050022 dynamic
vsan 501 wwn 20:0c:00:a0:98:1c:81:5e fcid 0x050044 dynamic
vsan 501 wwn 20:0d:00:a0:98:1c:81:5e fcid 0x050063 dynamic
vsan 501 wwn 20:0b:00:a0:98:1c:81:5e fcid 0x050003 dynamic

vsan 501 wwn 20:0a:00:a0:98:1c:81:5e fcid 0x050023 dynamic
vsan 501 wwn 20:00:00:25:b5:d0:00:0e fcid 0x050091 dynamic
vsan 501 wwn 50:0a:09:83:8d:cd:84:fb fcid 0x050004 dynamic
vsan 501 wwn 50:0a:09:83:8d:8e:60:34 fcid 0x050024 dynamic
vsan 501 wwn 50:0a:09:83:8d:ae:60:34 fcid 0x050025 dynamic
vsan 501 wwn 50:0a:09:83:8d:bd:84:fb fcid 0x050005 dynamic
vsan 501 wwn 50:0a:09:83:8d:30:a5:cb fcid 0x050064 dynamic
vsan 501 wwn 50:0a:09:83:8d:b0:a6:8a fcid 0x050045 dynamic
vsan 501 wwn 50:0a:09:83:8d:20:a5:cb fcid 0x050065 dynamic
vsan 501 wwn 20:02:00:a0:98:1b:3c:64 fcid 0x050026 dynamic
! [fcp_lif01b]
vsan 501 wwn 20:04:00:a0:98:1b:3c:64 fcid 0x050006 dynamic

! [fcp_lif02b]
vsan 501 wwn 20:00:00:25:b5:00:0b:00 fcid 0x050092 dynamic
! [VM-Host-Infra-01_B]
vsan 501 wwn 20:00:00:25:b5:00:0b:08 fcid 0x050093 dynamic
! [VM-Host-Infra-02_B]
vsan 501 wwn 20:00:00:25:b5:00:0b:0a fcid 0x050094 dynamic
! [XenDesktopHVD-02_B]
vsan 501 wwn 20:00:00:25:b5:00:0b:09 fcid 0x050095 dynamic
! [XenDesktopHVD-01_B]
vsan 501 wwn 20:00:00:25:b5:00:0b:0c fcid 0x050096 dynamic
! [LoginVSI-02_B]
vsan 501 wwn 20:00:00:25:b5:00:0b:0b fcid 0x050097 dynamic
! [LoginVSI-01_B]
vsan 501 wwn 20:00:00:25:b5:00:0b:01 fcid 0x050098 dynamic
! [XenDesktopHVD-03_B]
vsan 501 wwn 20:00:00:25:b5:00:0b:0d fcid 0x050099 dynamic
! [XenDesktopHVD-04_B]
vsan 501 wwn 20:00:00:25:b5:00:0b:0f fcid 0x05009a dynamic
! [XenDesktopHVD-06_B]
vsan 501 wwn 20:00:00:25:b5:00:0b:0e fcid 0x05009b dynamic
! [XenDesktopHVD-05_B]
vsan 501 wwn 20:00:00:25:b5:00:0b:10 fcid 0x05009c dynamic
! [XenDesktopHVD-07_B]

vsan 501 wwn 20:00:00:25:b5:00:0b:11 fcid 0x05009d dynamic
! [XenDesktopHVD-08_B]
vsan 501 wwn 20:00:00:25:b5:00:0b:02 fcid 0x05009e dynamic
! [XenDesktopRDS-01_B]
vsan 501 wwn 20:00:00:25:b5:00:0b:03 fcid 0x05009f dynamic
! [XenDesktopRDS-02_B]
vsan 501 wwn 20:00:00:25:b5:00:0b:05 fcid 0x0500c0 dynamic
! [XenDesktopRDS-04_B]
vsan 501 wwn 20:00:00:25:b5:00:0b:04 fcid 0x0500c1 dynamic

```
!      [XenDesktopRDS-03_B]
vsan 501 wwn 20:00:00:25:b5:00:0b:06 fcid 0x0500c2 dynamic
!      [XenDesktopRDS-05_B]
vsan 501 wwn 20:00:00:25:b5:00:0b:07 fcid 0x0500c3 dynamic
!      [XenDesktopRDS-06_B]
vsan 501 wwn 50:0a:09:83:8d:be:60:34 fcid 0x050027 dynamic
vsan 501 wwn 50:0a:09:83:8d:ad:84:fb fcid 0x050007 dynamic
vsan 501 wwn 50:0a:09:83:8d:70:a6:8a fcid 0x050046 dynamic
vsan 501 wwn 50:0a:09:83:8d:3e:60:34 fcid 0x050028 dynamic
vsan 501 wwn 50:0a:09:83:8d:6d:84:fb fcid 0x050008 dynamic
vsan 501 wwn 50:0a:09:83:8d:0e:60:34 fcid 0x050029 dynamic
vsan 501 wwn 50:0a:09:83:8d:2e:60:34 fcid 0x05002a dynamic
vsan 501 wwn 50:0a:09:83:8d:6e:60:34 fcid 0x05002b dynamic
vsan 501 wwn 50:0a:09:83:8d:fe:60:34 fcid 0x05002c dynamic

vsan 501 wwn 50:0a:09:83:8d:00:a6:8a fcid 0x050047 dynamic
vsan 501 wwn 50:0a:09:83:8d:60:a5:cb fcid 0x050066 dynamic
vsan 501 wwn 20:05:00:a0:98:1b:3c:64 fcid 0x050009 dynamic
vsan 501 wwn 20:0b:00:a0:98:1b:3c:64 fcid 0x050048 dynamic
vsan 501 wwn 20:07:00:a0:98:1b:3c:64 fcid 0x05002d dynamic
vsan 501 wwn 20:0d:00:a0:98:1b:3c:64 fcid 0x050067 dynamic
vsan 501 wwn 20:09:00:a0:98:1b:3c:64 fcid 0x05000a dynamic
vsan 501 wwn 20:00:00:25:b5:00:0b:12 fcid 0x0500c4 dynamic
!      [LoginVSI-03_B]
vsan 501 wwn 50:0a:09:83:8d:10:a5:cb fcid 0x050068 dynamic
vsan 501 wwn 20:00:00:25:b5:00:0b:14 fcid 0x0500c5 dynamic
!      [LoginVSI-05_B]
vsan 501 wwn 20:00:00:25:b5:00:0b:13 fcid 0x0500c6 dynamic
!      [LoginVSI-04_B]
```

```
interface port-channel11
description stl6248-I5-2-cluster-A
switchport mode trunk
switchport trunk native vlan 6
switchport trunk allowed vlan 3048,3073-3075
spanning-tree port type edge trunk
vpc 11
```

```
[K
interface port-channel12
description stl6248-I5-2-cluster-B
switchport mode trunk
switchport trunk native vlan 6
switchport trunk allowed vlan 3048,3073-3075
```

```
spanning-tree port type edge trunk
vpc 12
```

```
interface port-channel17
description Uplink_vPC
switchport mode trunk
switchport trunk native vlan 6
switchport trunk allowed vlan 3048,3073-3074
spanning-tree port type network
flowcontrol receive on
flowcontrol send on
vpc 17
```

```
interface port-channel21
description ccr-cmode-1-01
switchport mode trunk
switchport trunk native vlan 6

switchport trunk allowed vlan 3048,3073-3074
spanning-tree port type edge trunk
speed 10000
vpc 21
```

```
interface port-channel22
description ccr-cmode-1-02
switchport mode trunk
switchport trunk native vlan 6
switchport trunk allowed vlan 3048,3073-3074
spanning-tree port type edge trunk
speed 10000
vpc 22
```

```
interface port-channel23
description ccr-cmode-1-03
switchport mode trunk
switchport trunk native vlan 6
switchport trunk allowed vlan 3048,3073-3074
spanning-tree port type edge trunk
speed 10000
vpc 23
```

```
interface port-channel24
description ccr-cmode-1-04
switchport mode trunk
switchport trunk native vlan 6
```

```
switchport trunk allowed vlan 3048,3073-3074
spanning-tree port type edge trunk
speed 10000
vpc 24
```

```
interface port-channel501
description stl6248-I5-2-cluster-B:FCoE
switchport mode trunk
switchport trunk native vlan 6
switchport trunk allowed vlan 501
spanning-tree port type edge trunk
```

```
interface port-channel4096
description vPC peer-link
switchport mode trunk
switchport trunk native vlan 6
switchport trunk allowed vlan 3048,3073-3075
spanning-tree port type network
vpc peer-link
```

```
interface vfc1
bind interface Ethernet1/1
switchport trunk allowed vsan 501
switchport description ccr-cmode-1-01:4a
no shutdown
```

```
interface vfc2
bind interface Ethernet1/2
switchport trunk allowed vsan 501
switchport description ccr-cmode-1-02:4a
no shutdown
```

```
interface vfc3
bind interface Ethernet1/3
switchport trunk allowed vsan 501
switchport description ccr-cmode-1-03:4a
no shutdown
```

```
interface vfc4
bind interface Ethernet1/4
switchport trunk allowed vsan 501
switchport description ccr-cmode-1-04:4a

no shutdown
```

```
interface vfc501
```

```
bind interface port-channel501
switchport trunk allowed vsan 501
switchport description stl6248-I5-2-cluster-B:FCoE
no shutdown
vsan database
vsan 501 interface vfc1
vsan 501 interface vfc2
vsan 501 interface vfc3
vsan 501 interface vfc4
vsan 501 interface vfc501
```

```
interface Ethernet1/1
description ccr-cmode-1-01:e4a
switchport mode trunk
switchport trunk native vlan 6
switchport trunk allowed vlan 501
spanning-tree port type edge trunk
```

```
interface Ethernet1/2
description ccr-cmode-1-02:e4a

switchport mode trunk
switchport trunk native vlan 6
switchport trunk allowed vlan 501
spanning-tree port type edge trunk
```

```
interface Ethernet1/3
description ccr-cmode-1-03:e4a
switchport mode trunk
switchport trunk native vlan 6
switchport trunk allowed vlan 501
spanning-tree port type edge trunk
```

```
interface Ethernet1/4
description ccr-cmode-1-04:e4a
switchport mode trunk
switchport trunk native vlan 6
switchport trunk allowed vlan 501
spanning-tree port type edge trunk
```

```
interface Ethernet1/5
description ccr-cmode-1-01:e2b
switchport mode trunk
switchport trunk native vlan 6
```

```
switchport trunk allowed vlan 3048,3073-3074
```

channel-group 21 mode active

interface Ethernet1/6

description ccr-cmode-1-02:e2b

switchport mode trunk

switchport trunk native vlan 6

switchport trunk allowed vlan 3048,3073-3074

channel-group 22 mode active

interface Ethernet1/7

description ccr-cmode-1-03:e2b

switchport mode trunk

switchport trunk native vlan 6

switchport trunk allowed vlan 3048,3073-3074

channel-group 23 mode active

interface Ethernet1/8

description ccr-cmode-1-04:e2b

switchport mode trunk

switchport trunk native vlan 6

switchport trunk allowed vlan 3048,3073-3074

channel-group 24 mode active

interface Ethernet1/9

interface Ethernet1/10

interface Ethernet1/11

description stl6248-I5-2-cluster-A:1/20

switchport mode trunk

switchport trunk native vlan 6

switchport trunk allowed vlan 3048,3073-3075

channel-group 11 mode active

interface Ethernet1/12

description stl6248-I5-2-cluster-B:1/20

switchport mode trunk

switchport trunk native vlan 6

switchport trunk allowed vlan 3048,3073-3075

channel-group 12 mode active

interface Ethernet1/13

description stl5548-I5-2-a:1/13

switchport mode trunk

switchport trunk native vlan 6

switchport trunk allowed vlan 3048,3073-3075

channel-group 4096 mode active

interface Ethernet1/14

description stl5548-I5-2-a:1/14

switchport mode trunk

switchport trunk native vlan 6

switchport trunk allowed vlan 3048,3073-3075

channel-group 4096 mode active

interface Ethernet1/15

interface Ethernet1/16

interface Ethernet1/17

switchport mode trunk

switchport trunk native vlan 6

switchport trunk allowed vlan 3048,3073-3074

flowcontrol receive on

flowcontrol send on

channel-group 17 mode active

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

interface Ethernet1/29

```
interface Ethernet1/30
```

```
interface Ethernet1/31
```

```
description stl6248-I5-2-cluster-B:1/31
switchport mode trunk
switchport trunk native vlan 6
switchport trunk allowed vlan 501
channel-group 501 mode active
```

```
interface Ethernet1/32
```

```
description stl6248-I5-2-cluster-B:1/32
switchport mode trunk
switchport trunk native vlan 6
switchport trunk allowed vlan 501
channel-group 501 mode active
```

```
interface mgmt0
```

```
ip address 172.20.72.171/24
```

```
line console
```

```
exec-timeout 0
```

```
line vty
```

```
session-limit 64
```

```
session-limit 64
```

```
exec-timeout 0
```

```
boot kickstart bootflash:/n5000-uk9-kickstart.6.0.2.N2.2.bin
```

```
boot system bootflash:/n5000-uk9.6.0.2.N2.2.bin
```

```
!Full Zone Database Section for vsan 501
```

```
zone name VM-Host-Infra-01_B vsan 501
```

```
member pwwn 20:00:00:25:b5:00:0b:00
```

```
! [VM-Host-Infra-01_B]
```

```
member pwwn 20:02:00:a0:98:1b:3c:64
```

```
! [fcp_lif01b]
```

```
member pwwn 20:04:00:a0:98:1b:3c:64
```

```
! [fcp_lif02b]
```

```
zone name VM-Host-Infra-02_B vsan 501
```

```
member pwwn 20:00:00:25:b5:00:0b:08
```

```
! [VM-Host-Infra-02_B]
```

```
member pwwn 20:02:00:a0:98:1b:3c:64
```

```
! [fcp_lif01b]
```

```
member pwwn 20:04:00:a0:98:1b:3c:64
```

```
! [fcp_lif02b]
```

zone name XenDesktopHVD-01_B vsan 501
member pwwn 20:00:00:25:b5:00:0b:09
! [XenDesktopHVD-01_B]

member pwwn 20:02:00:a0:98:1b:3c:64
! [fcp_lif01b]
member pwwn 20:04:00:a0:98:1b:3c:64
! [fcp_lif02b]

zone name XenDesktopHVD-02_B vsan 501
member pwwn 20:00:00:25:b5:00:0b:0a
! [XenDesktopHVD-02_B]
member pwwn 20:02:00:a0:98:1b:3c:64
! [fcp_lif01b]
member pwwn 20:04:00:a0:98:1b:3c:64
! [fcp_lif02b]

zone name LoginVSI-01_B vsan 501
member pwwn 20:00:00:25:b5:00:0b:0b
! [LoginVSI-01_B]
member pwwn 20:02:00:a0:98:1b:3c:64
! [fcp_lif01b]
member pwwn 20:04:00:a0:98:1b:3c:64
! [fcp_lif02b]

zone name LoginVSI-02_B vsan 501
member pwwn 20:00:00:25:b5:00:0b:0c

! [LoginVSI-02_B]
member pwwn 20:02:00:a0:98:1b:3c:64
! [fcp_lif01b]
member pwwn 20:04:00:a0:98:1b:3c:64
! [fcp_lif02b]

zone name XenDesktopHVD-03_B vsan 501
member pwwn 20:00:00:25:b5:00:0b:01
! [XenDesktopHVD-03_B]
member pwwn 20:02:00:a0:98:1b:3c:64
! [fcp_lif01b]
member pwwn 20:04:00:a0:98:1b:3c:64
! [fcp_lif02b]

zone name XenDesktopHVD-04_B vsan 501
member pwwn 20:00:00:25:b5:00:0b:0d
! [XenDesktopHVD-04_B]
member pwwn 20:02:00:a0:98:1b:3c:64

! [fcplif01b]
member pwwn 20:04:00:a0:98:1b:3c:64
! [fcplif02b]

zone name XenDesktopHVD-05_B vsan 501

member pwwn 20:00:00:25:b5:00:0b:0e
! [XenDesktopHVD-05_B]
member pwwn 20:02:00:a0:98:1b:3c:64
! [fcplif01b]
member pwwn 20:04:00:a0:98:1b:3c:64
! [fcplif02b]

zone name XenDesktopHVD-06_B vsan 501

member pwwn 20:00:00:25:b5:00:0b:0f
! [XenDesktopHVD-06_B]
member pwwn 20:02:00:a0:98:1b:3c:64
! [fcplif01b]
member pwwn 20:04:00:a0:98:1b:3c:64
! [fcplif02b]

zone name XenDesktopHVD-07_B vsan 501

member pwwn 20:00:00:25:b5:00:0b:10
! [XenDesktopHVD-07_B]
member pwwn 20:02:00:a0:98:1b:3c:64
! [fcplif01b]
member pwwn 20:04:00:a0:98:1b:3c:64
! [fcplif02b]

zone name XenDesktopHVD-08_B vsan 501

member pwwn 20:00:00:25:b5:00:0b:11
! [XenDesktopHVD-08_B]
member pwwn 20:02:00:a0:98:1b:3c:64
! [fcplif01b]
member pwwn 20:04:00:a0:98:1b:3c:64
! [fcplif02b]

zone name XenDesktopRDS-01_B vsan 501

member pwwn 20:00:00:25:b5:00:0b:02
! [XenDesktopRDS-01_B]
member pwwn 20:02:00:a0:98:1b:3c:64
! [fcplif01b]
member pwwn 20:04:00:a0:98:1b:3c:64
! [fcplif02b]

zone name XenDesktopRDS-02_B vsan 501

```
member pwwn 20:00:00:25:b5:00:0b:03
!      [XenDesktopRDS-02_B]
member pwwn 20:02:00:a0:98:1b:3c:64
!      [fcp_lif01b]
member pwwn 20:04:00:a0:98:1b:3c:64
!      [fcp_lif02b]
zone name XenDesktopRDS-03_B vsan 501
member pwwn 20:00:00:25:b5:00:0b:04
!      [XenDesktopRDS-03_B]
member pwwn 20:02:00:a0:98:1b:3c:64
!      [fcp_lif01b]
member pwwn 20:04:00:a0:98:1b:3c:64
!      [fcp_lif02b]

zone name XenDesktopRDS-04_B vsan 501
member pwwn 20:00:00:25:b5:00:0b:05
!      [XenDesktopRDS-04_B]
member pwwn 20:02:00:a0:98:1b:3c:64
!      [fcp_lif01b]
member pwwn 20:04:00:a0:98:1b:3c:64
!      [fcp_lif02b]

zone name XenDesktopRDS-05_B vsan 501
member pwwn 20:00:00:25:b5:00:0b:06
!      [XenDesktopRDS-05_B]
member pwwn 20:02:00:a0:98:1b:3c:64
!      [fcp_lif01b]
member pwwn 20:04:00:a0:98:1b:3c:64
!      [fcp_lif02b]

zone name XenDesktopRDS-06_B vsan 501
member pwwn 20:00:00:25:b5:00:0b:07
!      [XenDesktopRDS-06_B]
member pwwn 20:02:00:a0:98:1b:3c:64
!      [fcp_lif01b]
member pwwn 20:04:00:a0:98:1b:3c:64
!      [fcp_lif02b]

zone name LoginVSI-03_B vsan 501
member pwwn 20:00:00:25:b5:00:0b:12
!      [LoginVSI-03_B]
member pwwn 20:02:00:a0:98:1b:3c:64
!      [fcp_lif01b]
member pwwn 20:04:00:a0:98:1b:3c:64
!      [fcp_lif02b]
```

zone name LoginVSI-04_B vsan 501
member pwwn 20:00:00:25:b5:00:0b:13
! [LoginVSI-04_B]
member pwwn 20:02:00:a0:98:1b:3c:64
! [fcp_lif01b]

member pwwn 20:04:00:a0:98:1b:3c:64
! [fcp_lif02b]

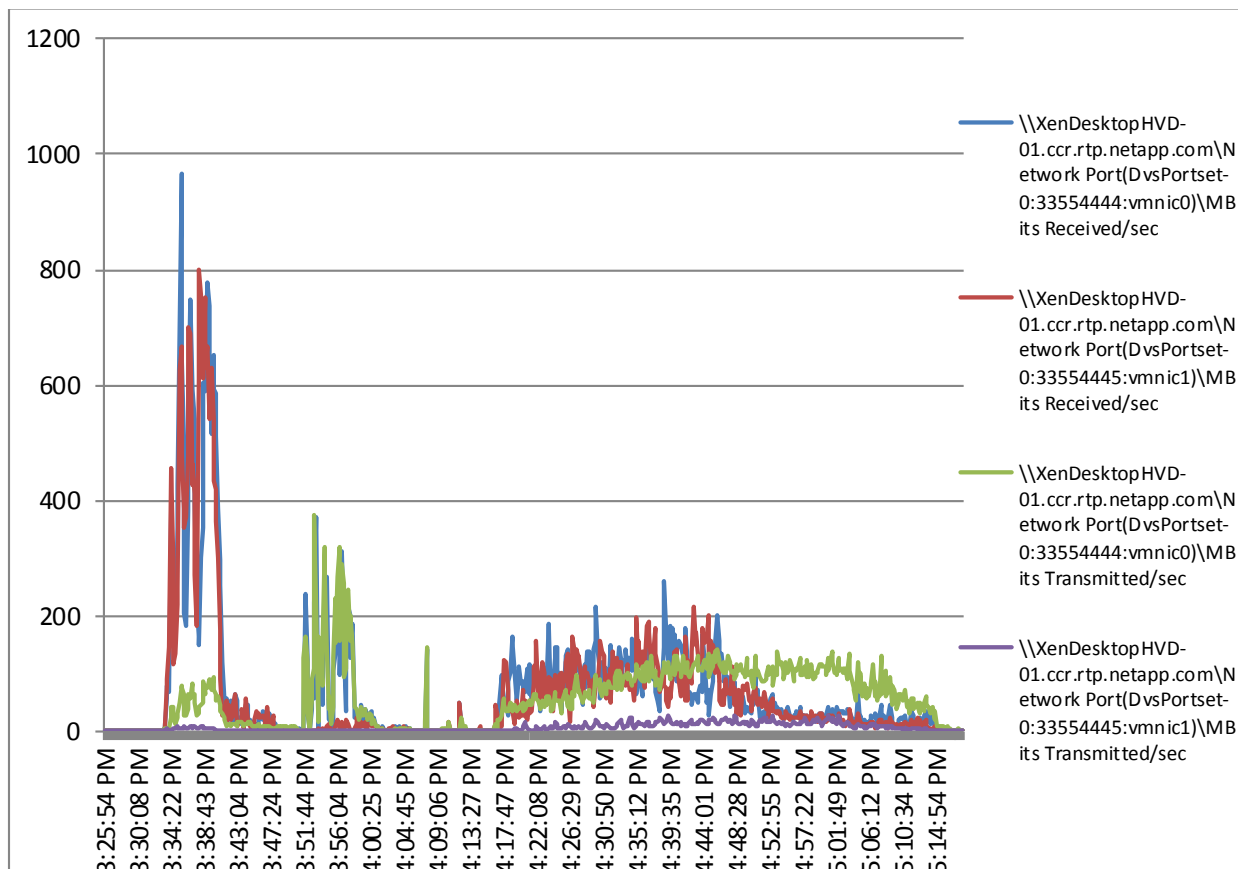
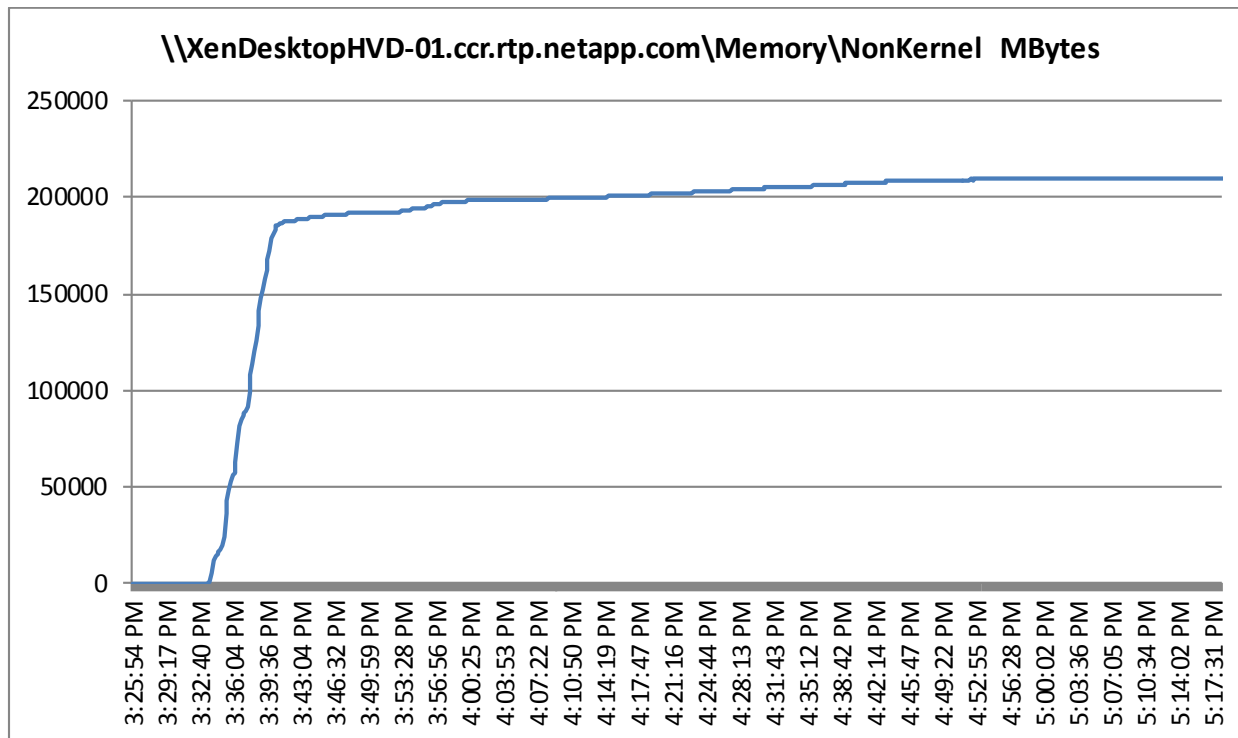
zone name LoginVSI-05_B vsan 501
member pwwn 20:00:00:25:b5:00:0b:14
! [LoginVSI-05_B]
member pwwn 20:02:00:a0:98:1b:3c:64
! [fcp_lif01b]
member pwwn 20:04:00:a0:98:1b:3c:64
! [fcp_lif02b]

zoneset name FlexPod vsan 501
member VM-Host-Infra-01_B
member VM-Host-Infra-02_B
member XenDesktopHVD-01_B
member XenDesktopHVD-02_B
member LoginVSI-01_B
member LoginVSI-02_B
member XenDesktopHVD-03_B
member XenDesktopHVD-04_B
member XenDesktopHVD-05_B
member XenDesktopHVD-06_B
member XenDesktopHVD-07_B
member XenDesktopHVD-08_B
member XenDesktopRDS-01_B
member XenDesktopRDS-02_B
member XenDesktopRDS-03_B
member XenDesktopRDS-04_B
member XenDesktopRDS-05_B
member XenDesktopRDS-06_B
member LoginVSI-03_B
member LoginVSI-04_B
member LoginVSI-05_B

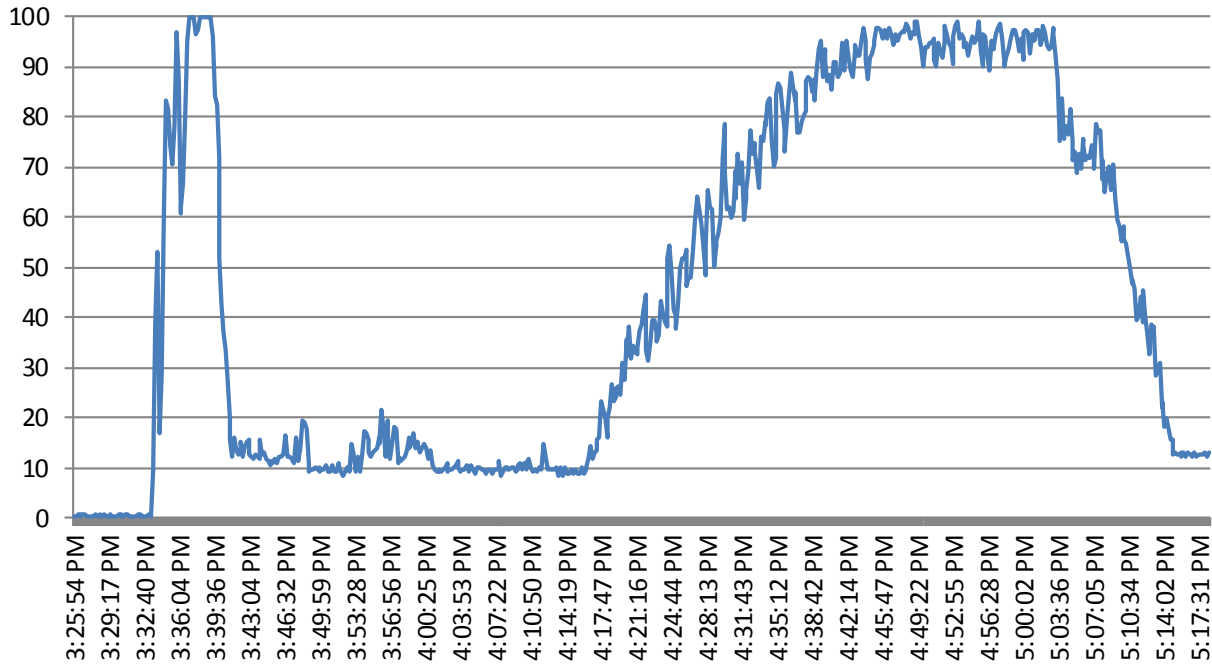
zoneset activate name FlexPod vsan 501

Appendix B – Server Performance Charts for Mixed Workload Scale Test Run

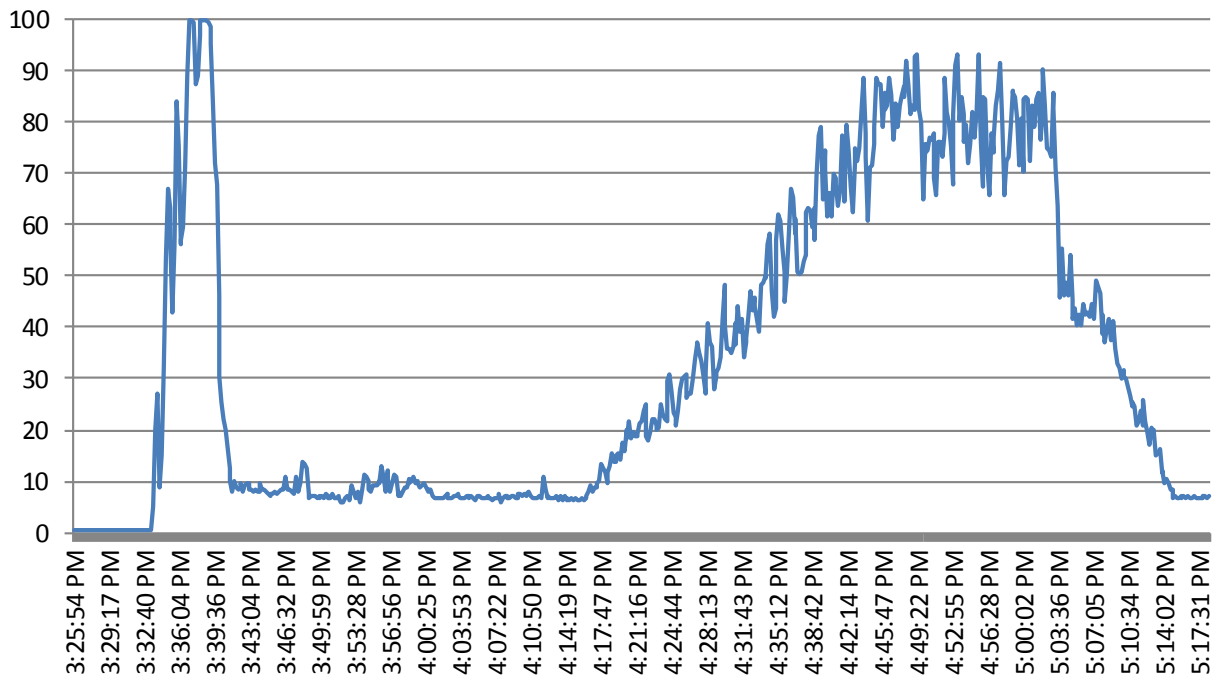
MIX-2000U-SCALE4-HVD01-88L-MED-PAR-1525-122313



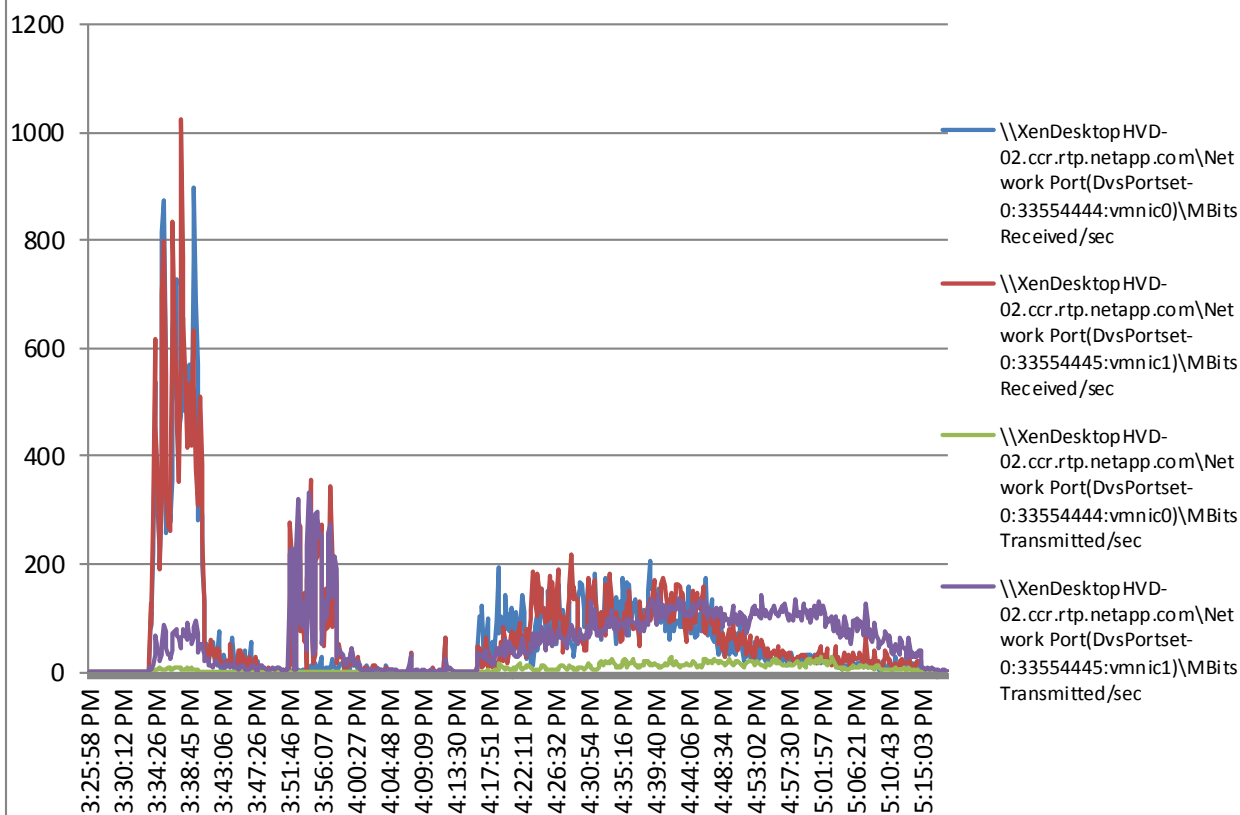
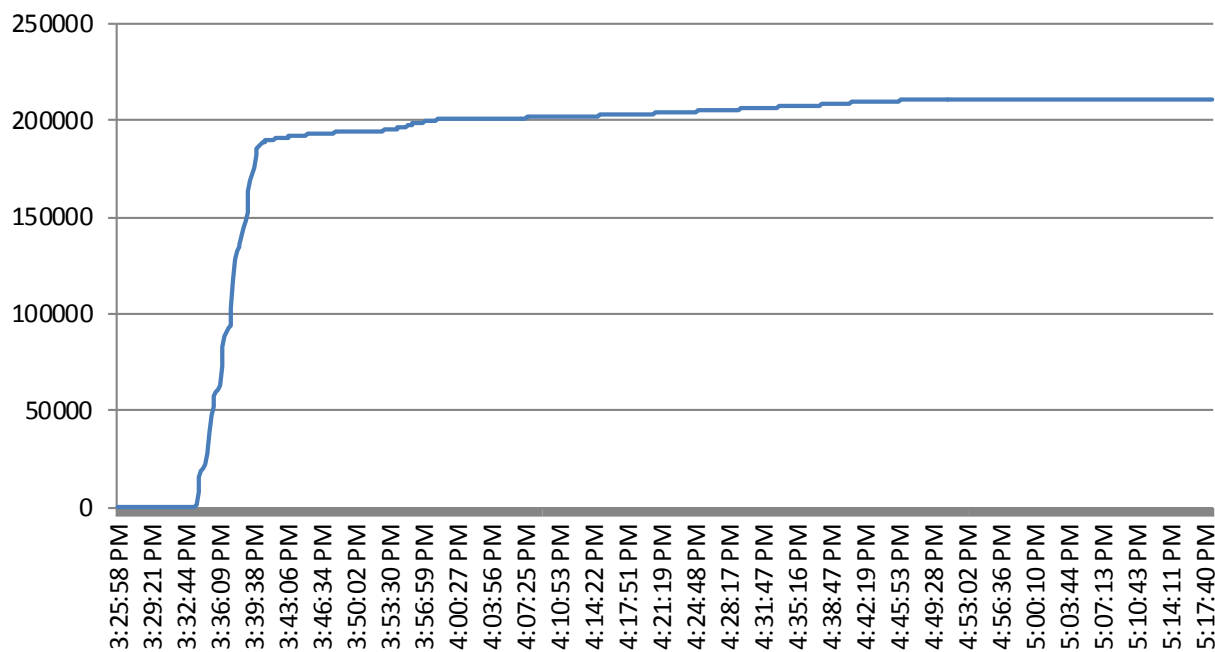
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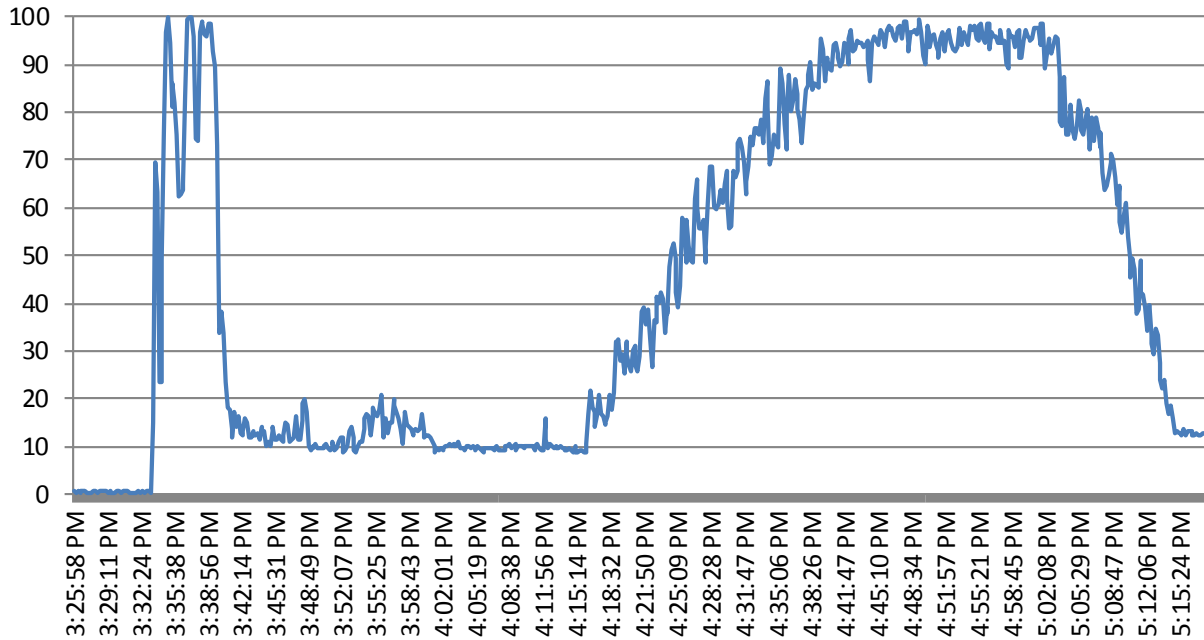
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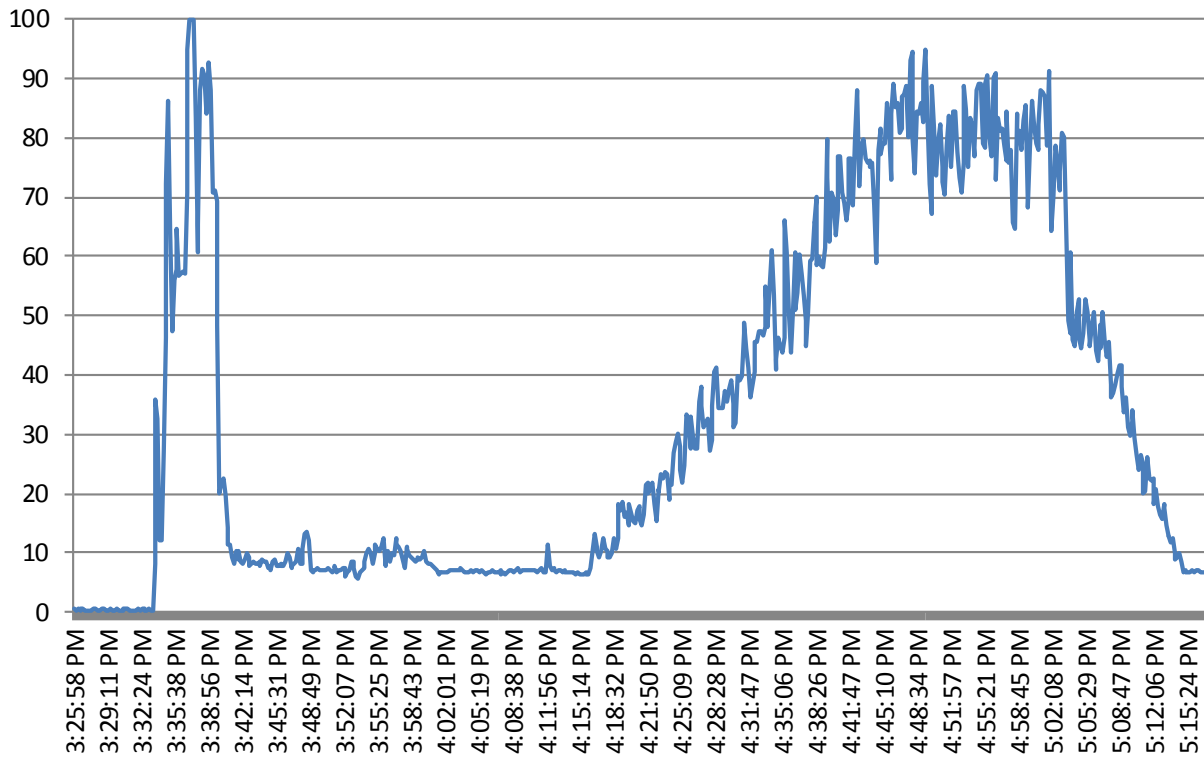
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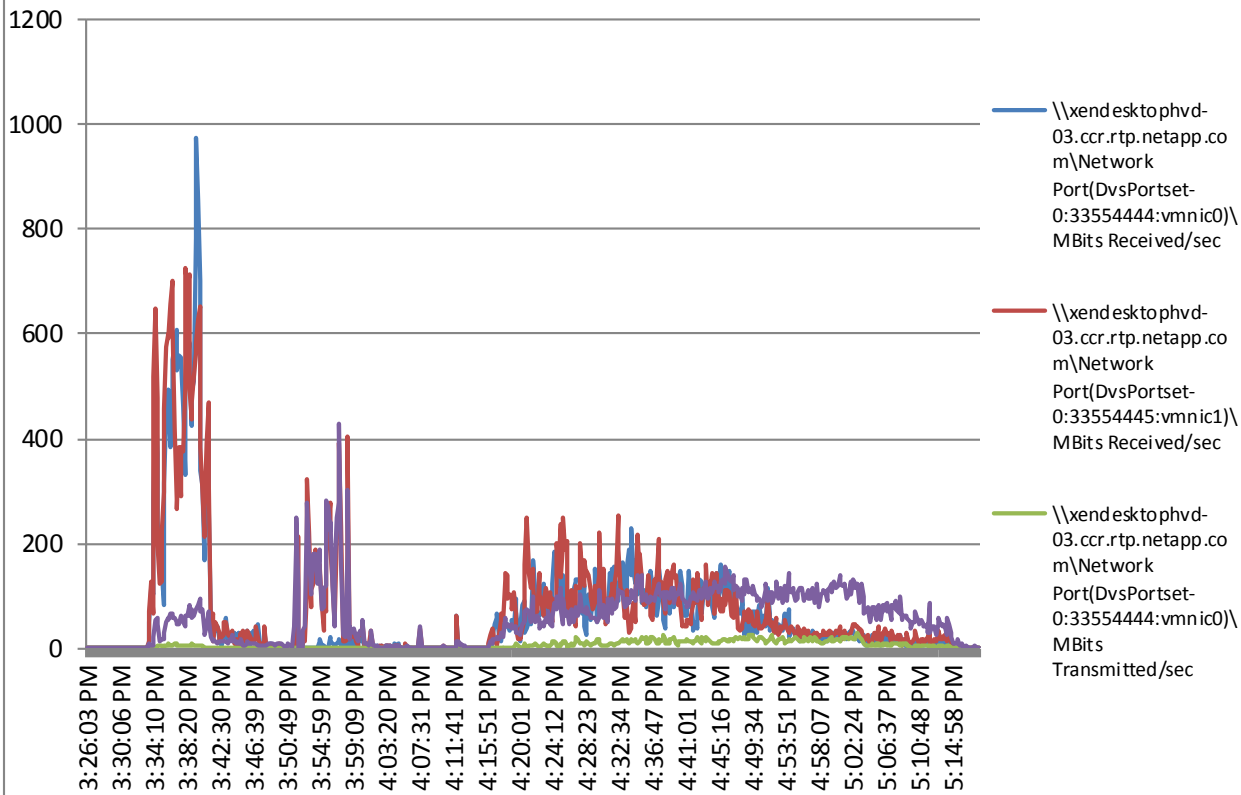
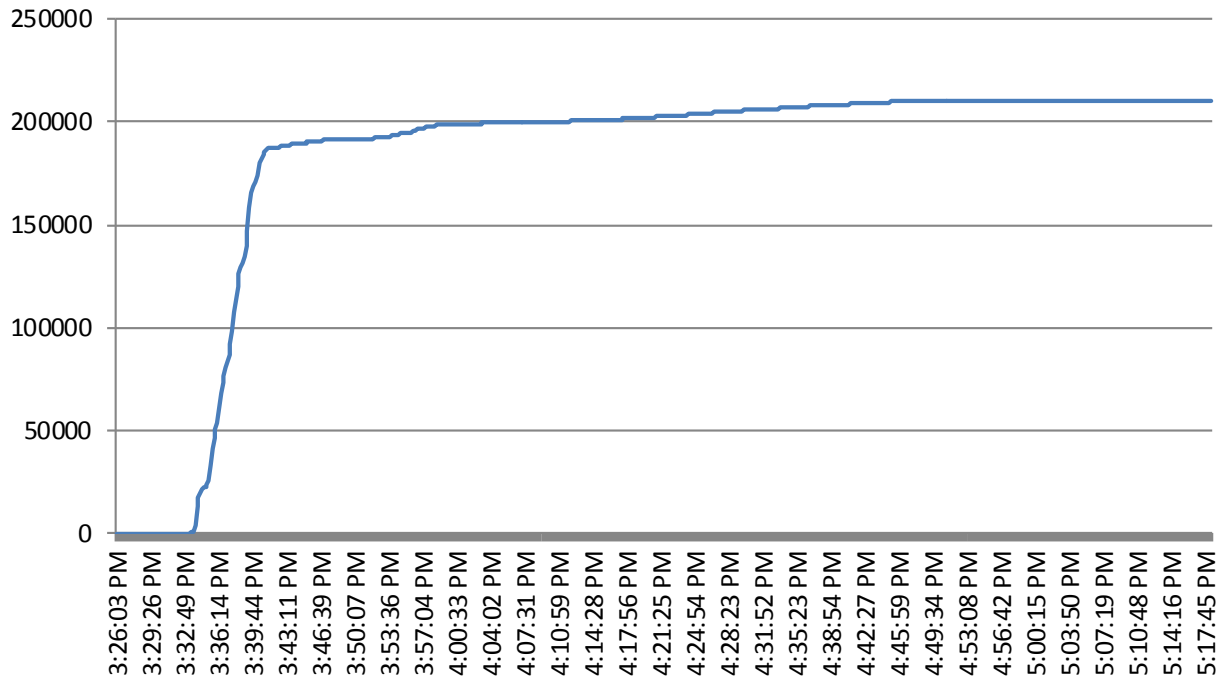


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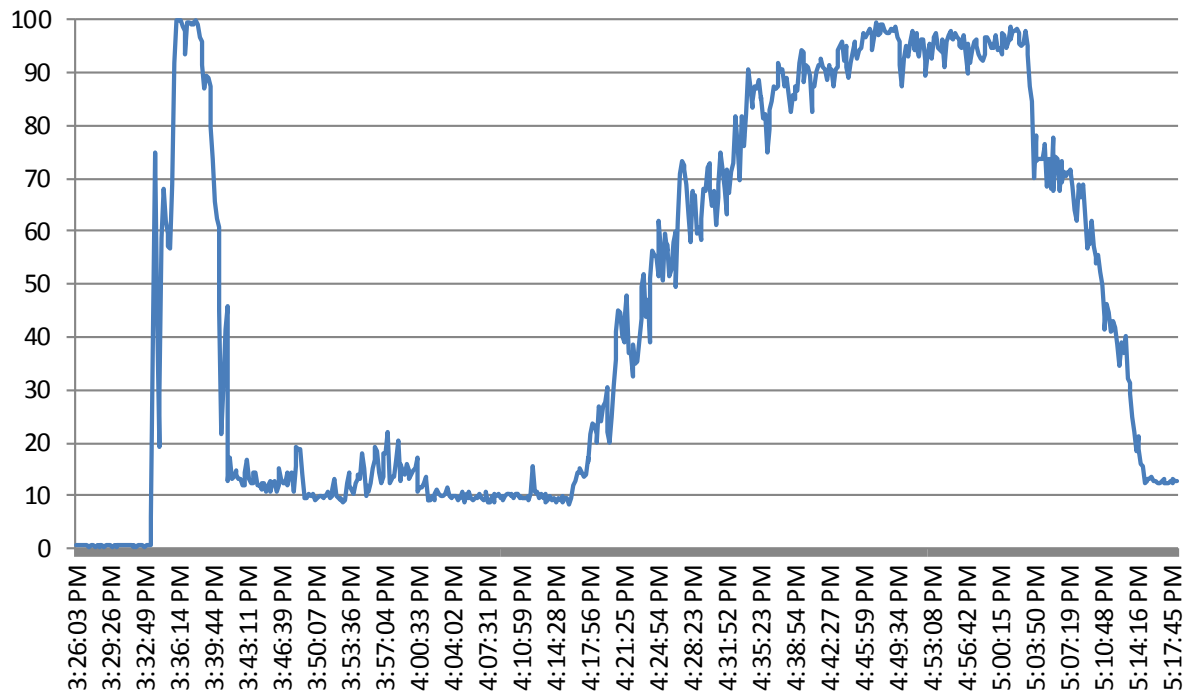


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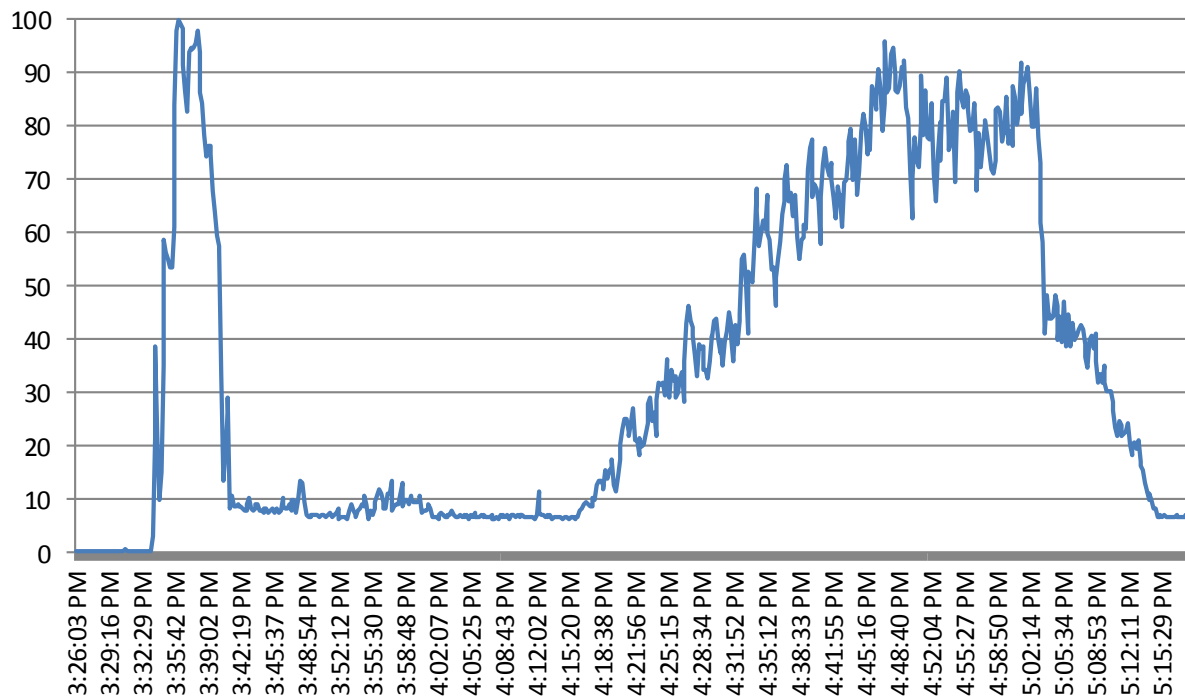
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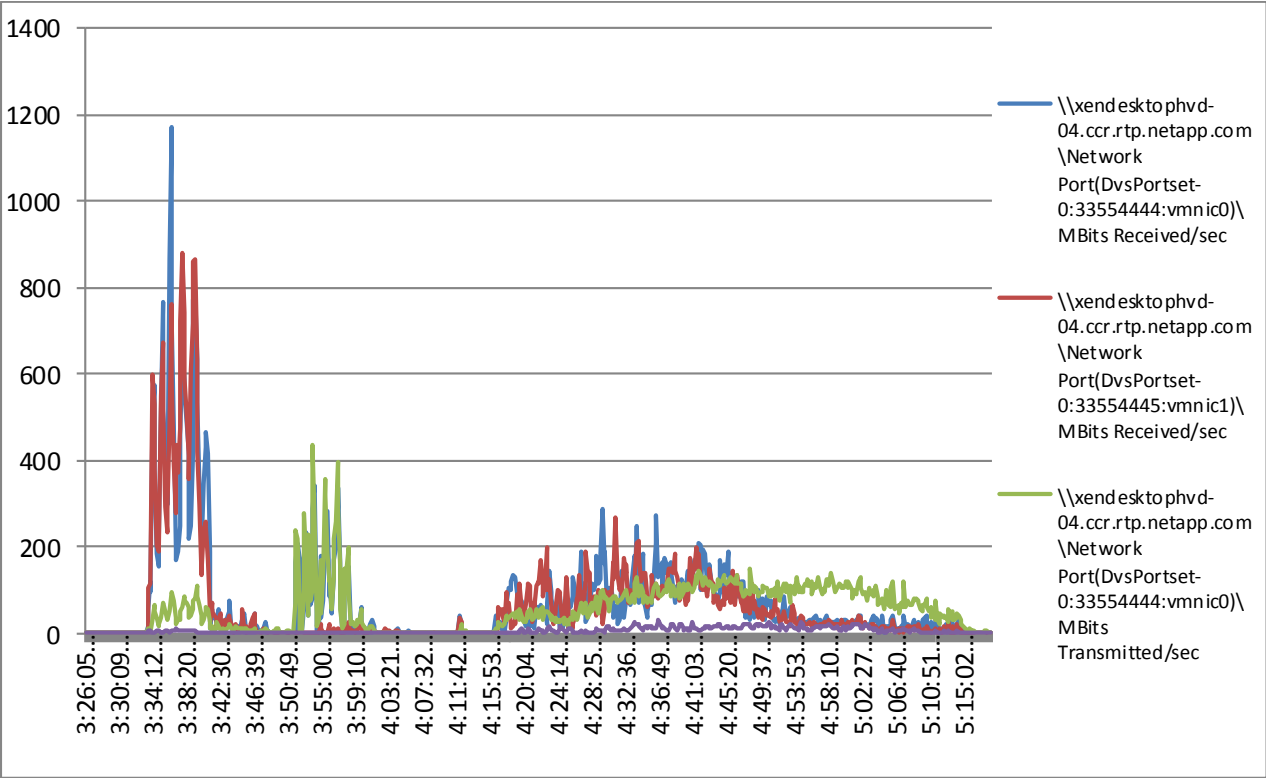
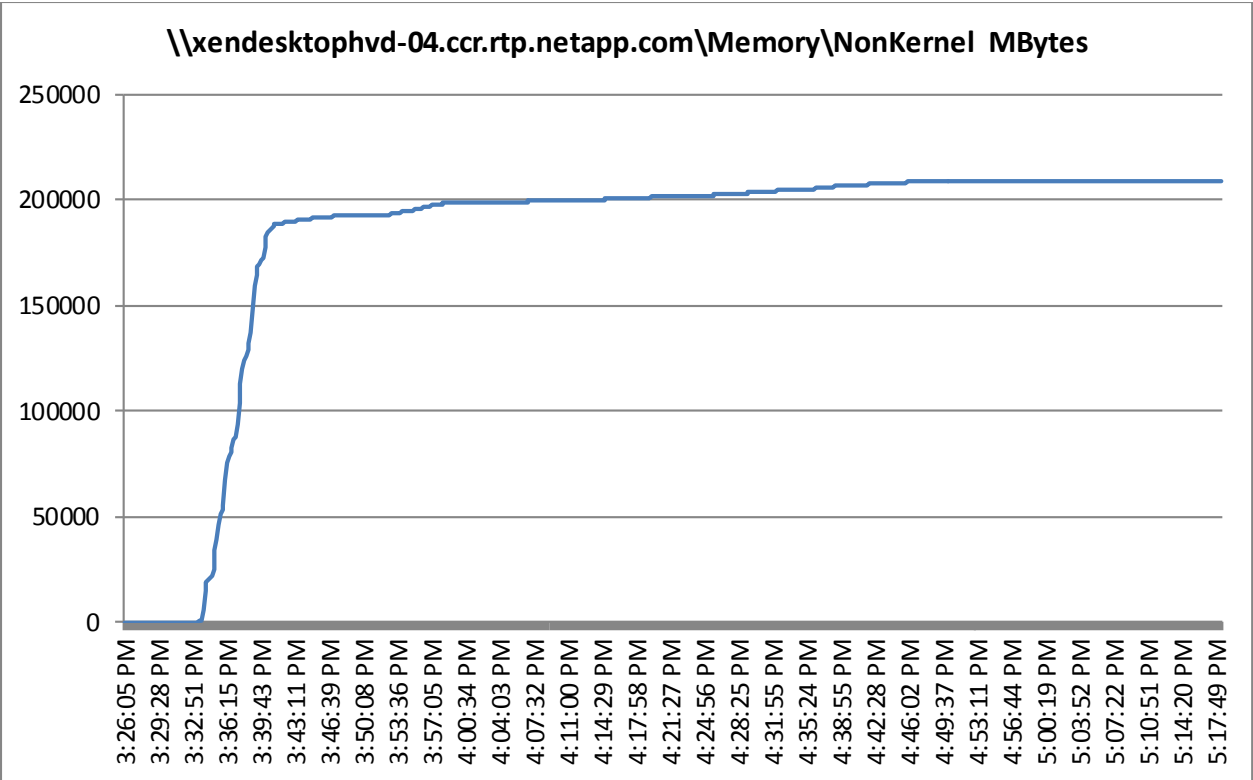


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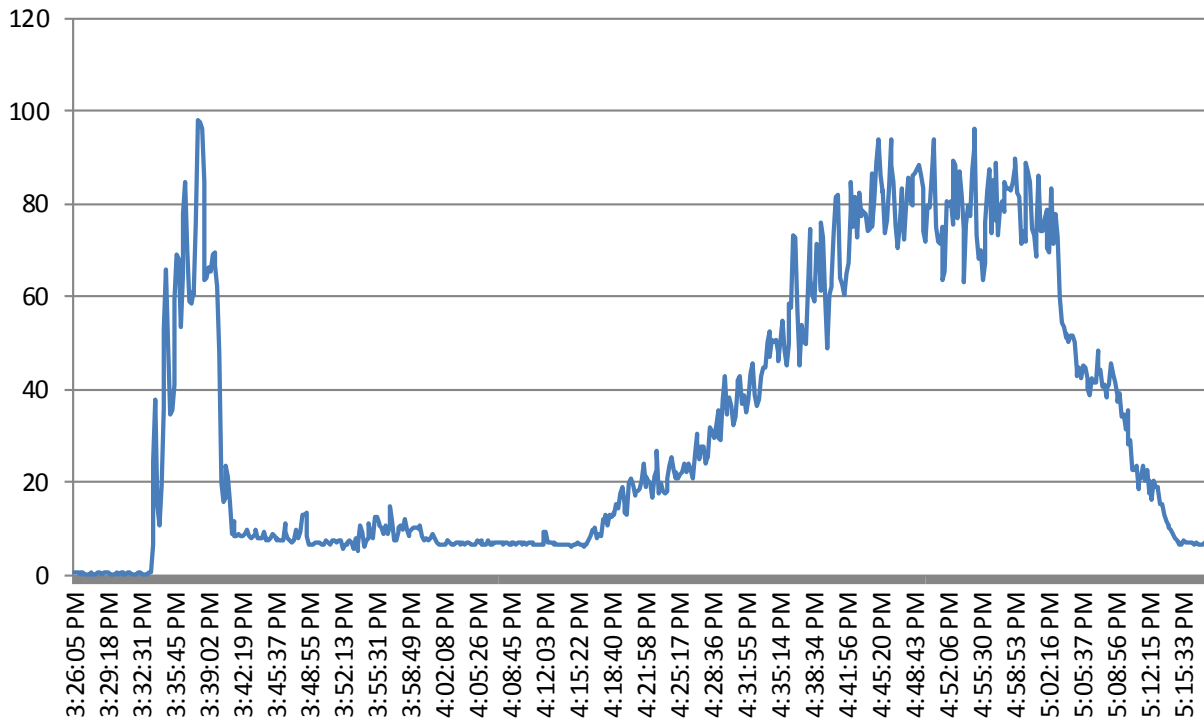


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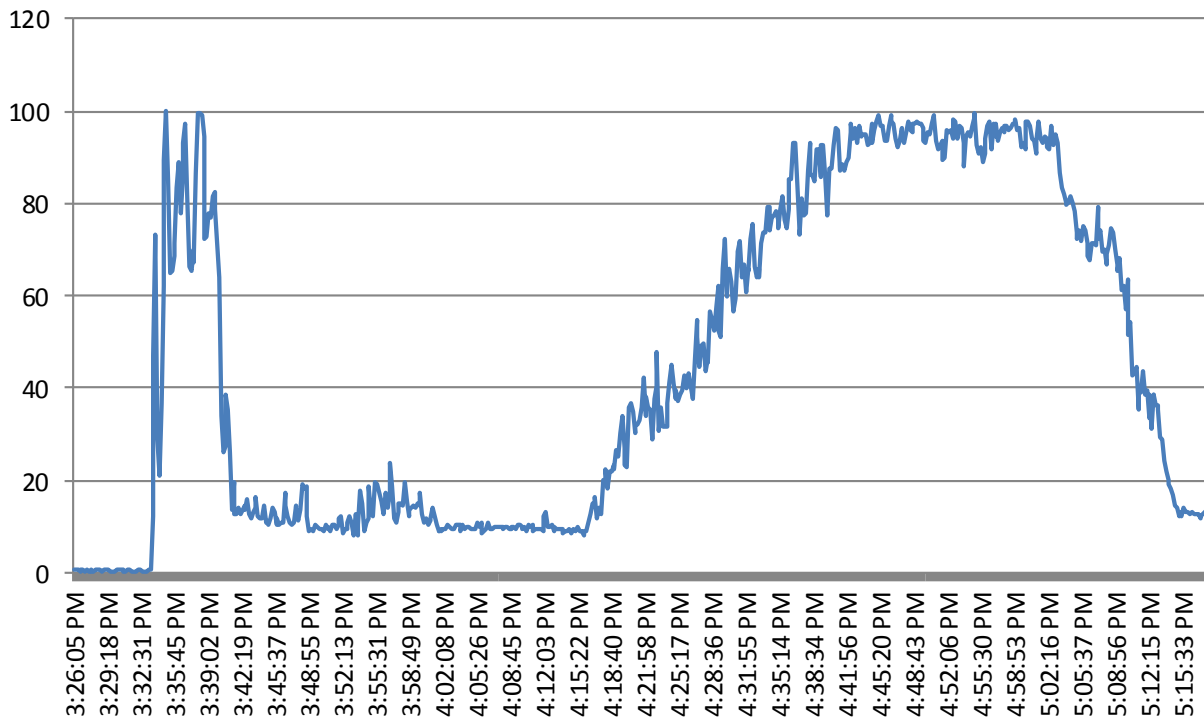




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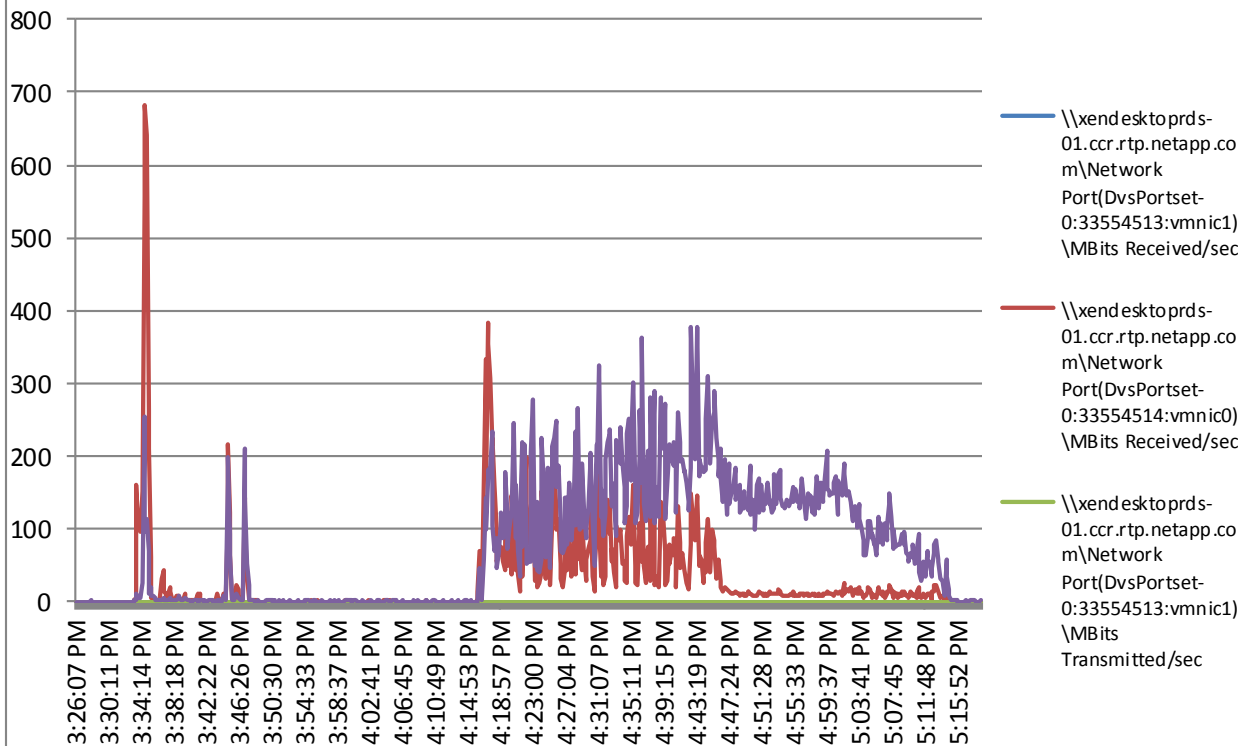
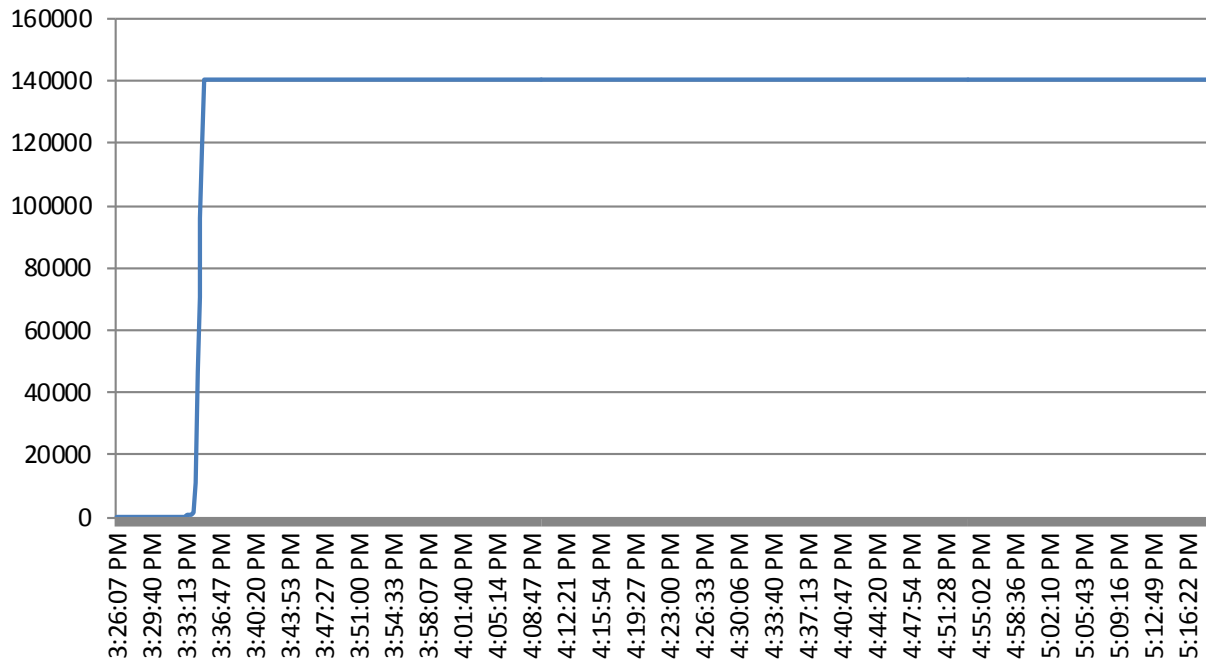


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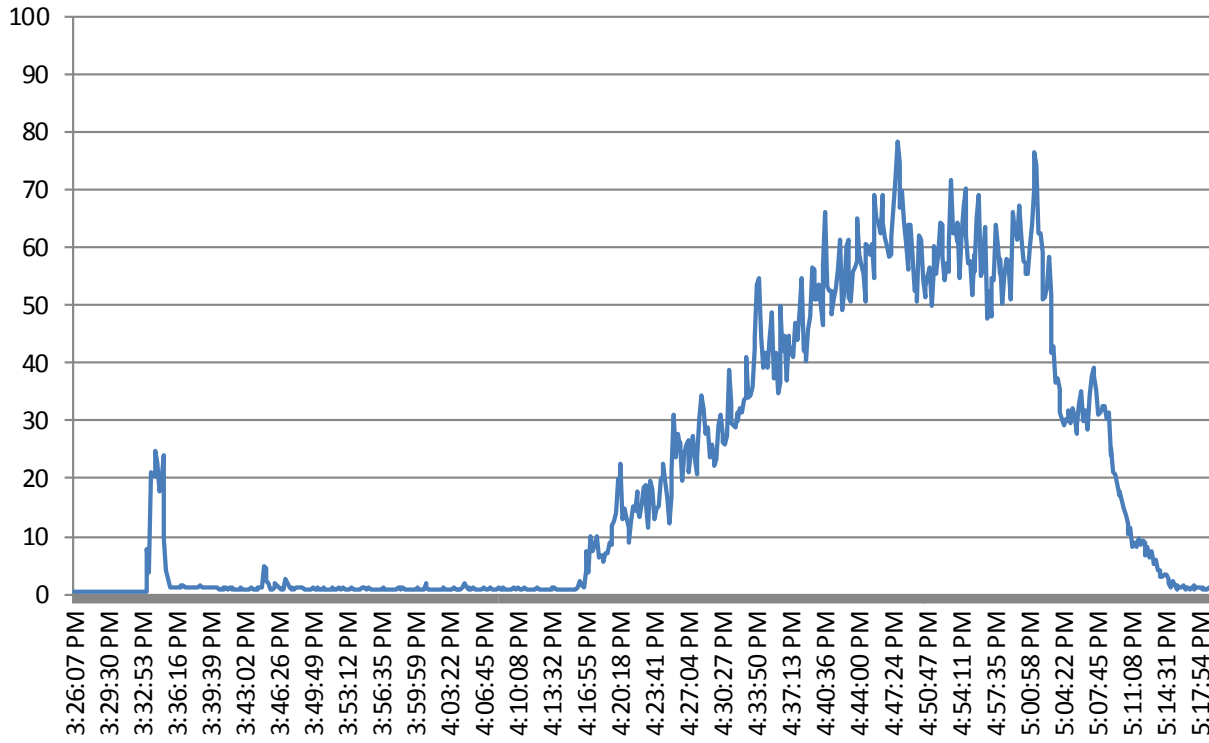


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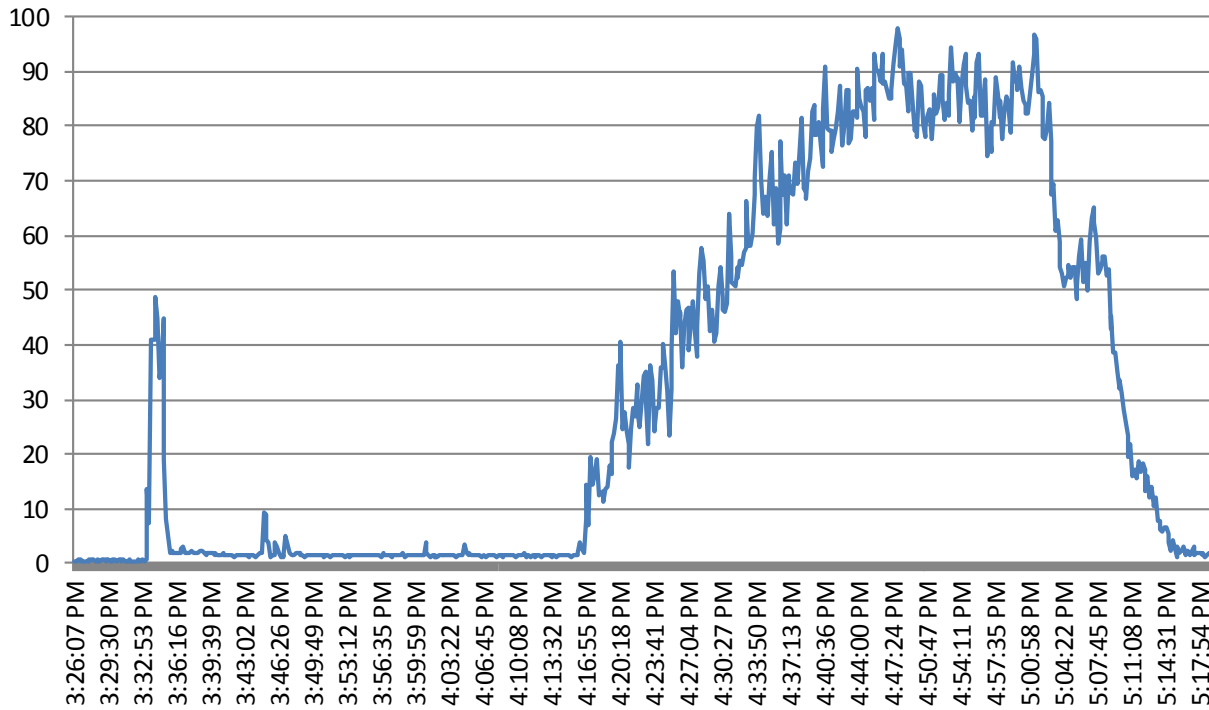
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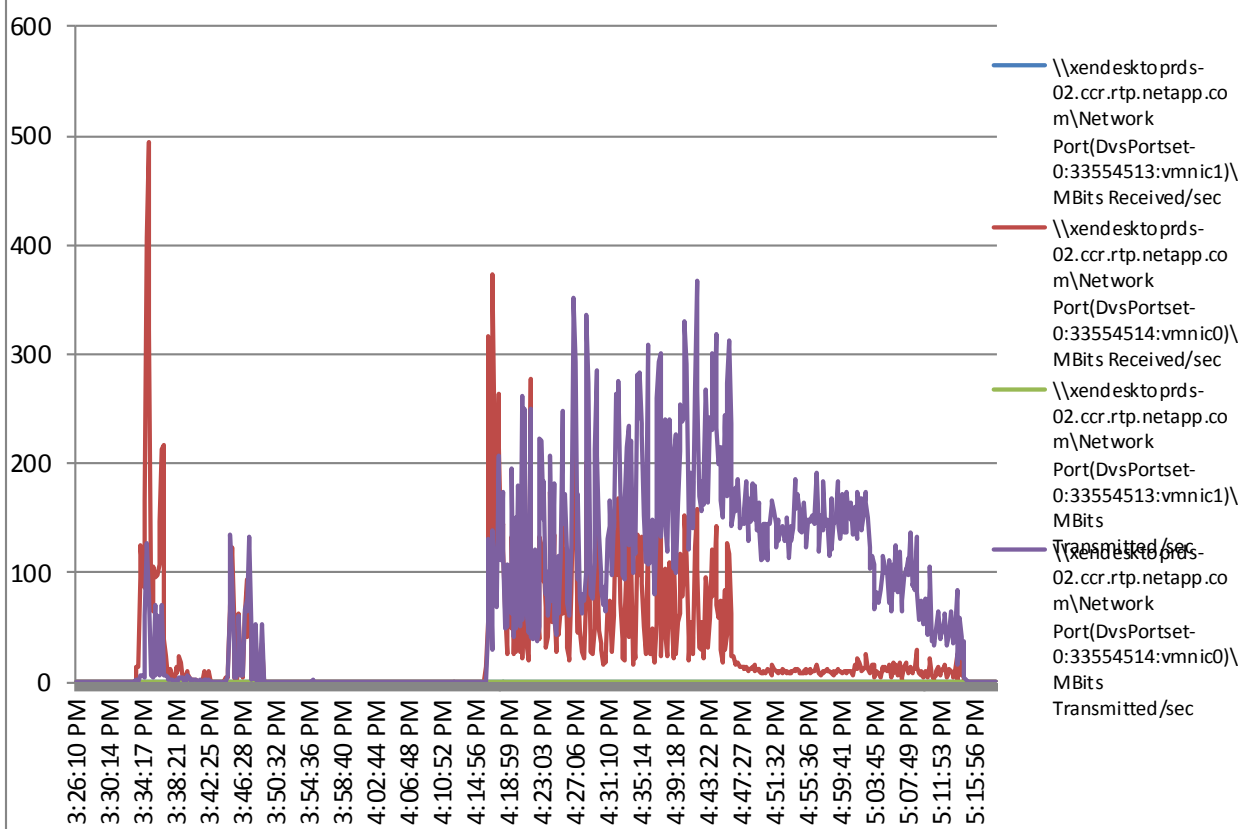
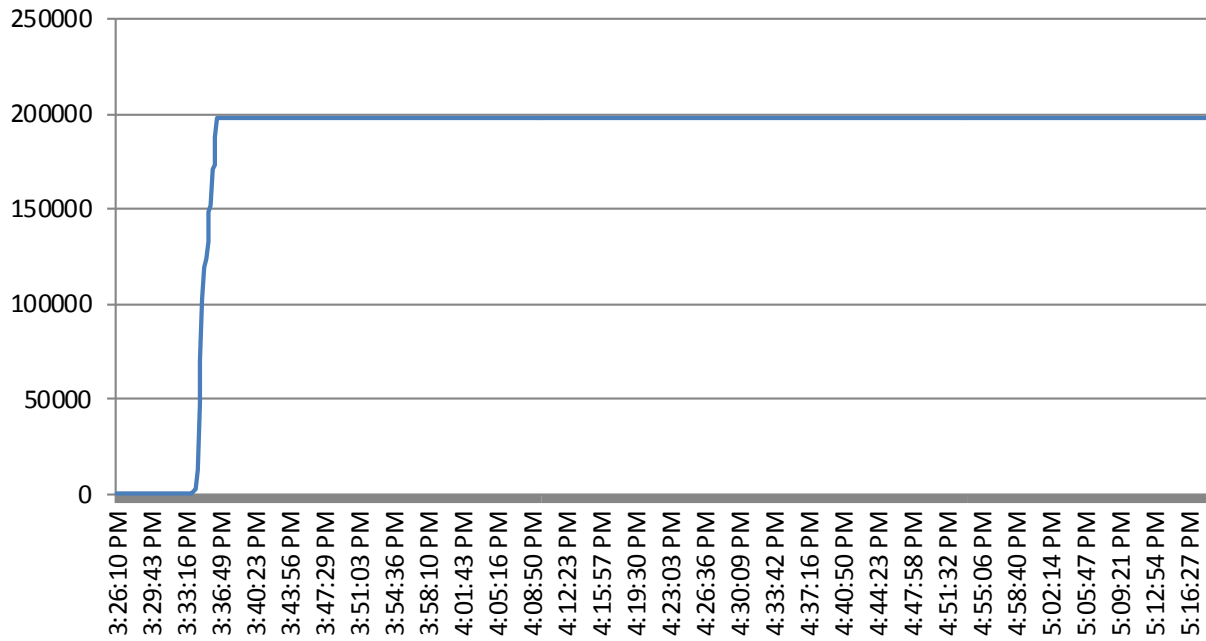


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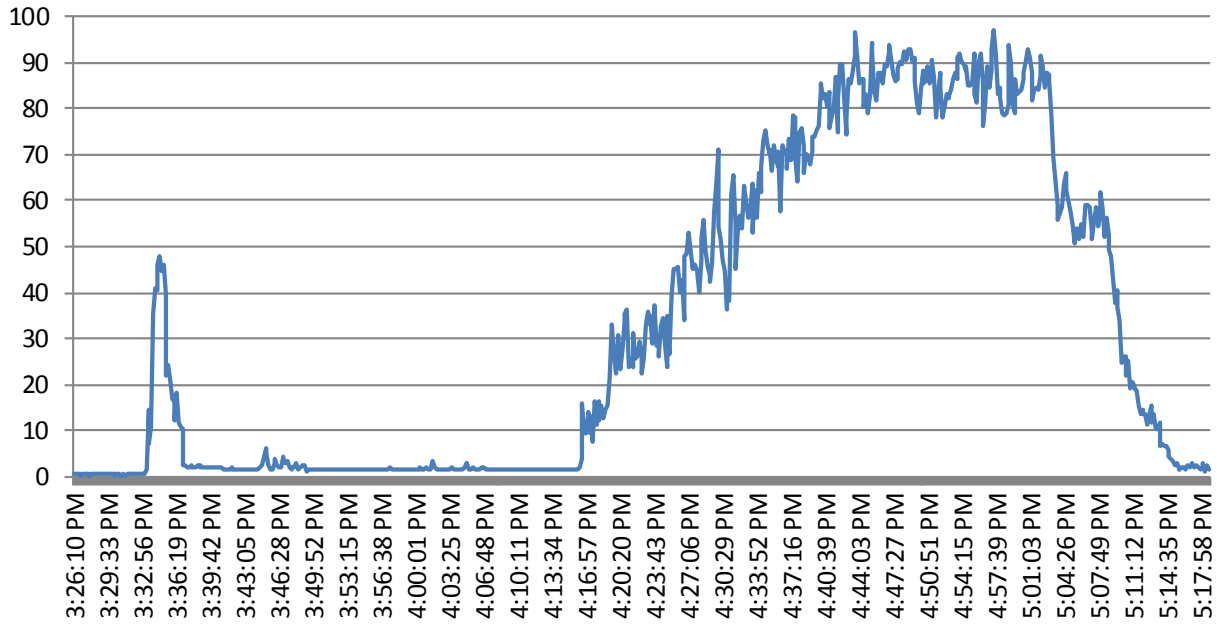


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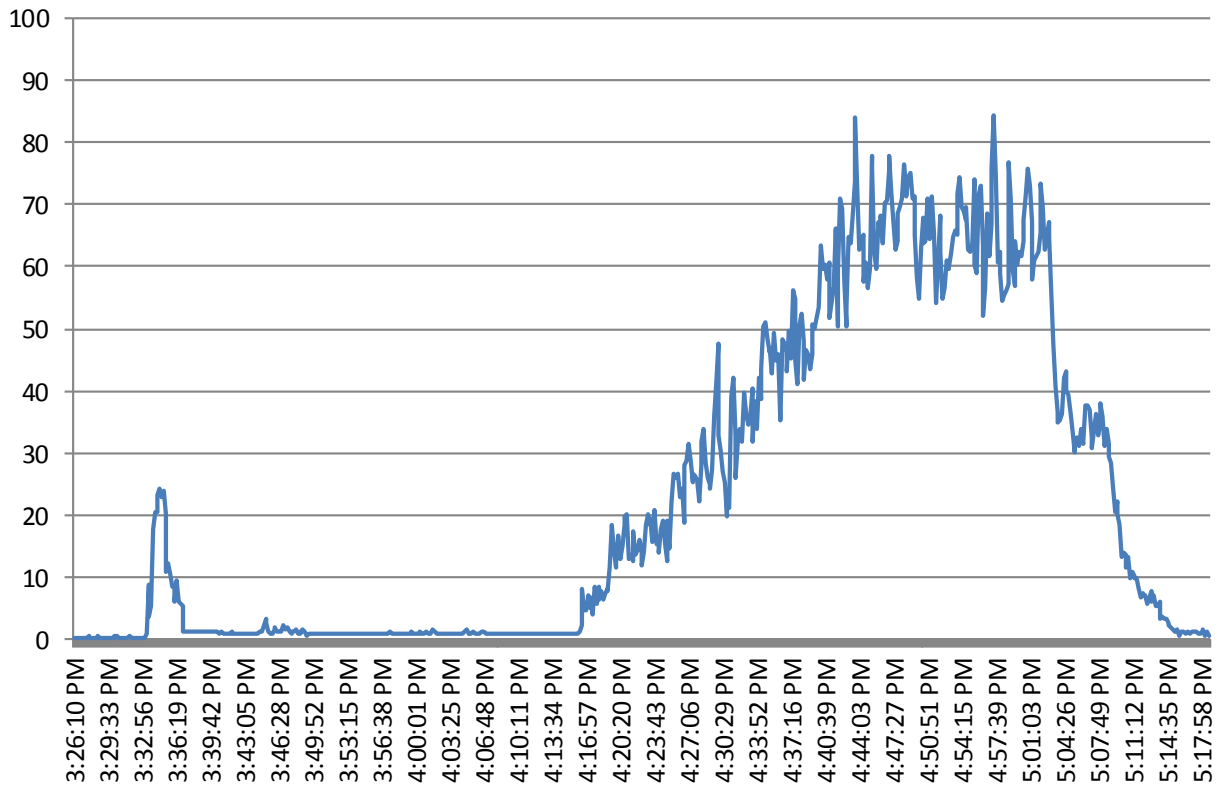
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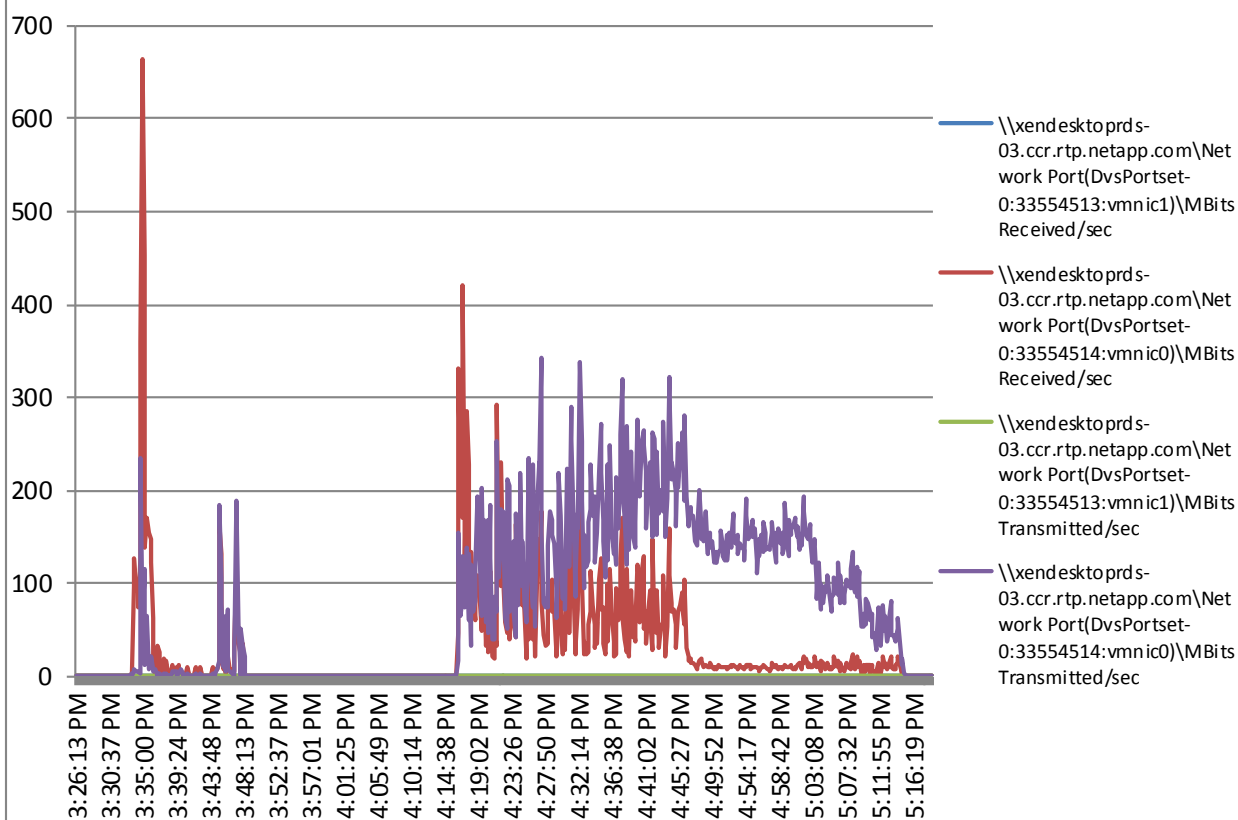
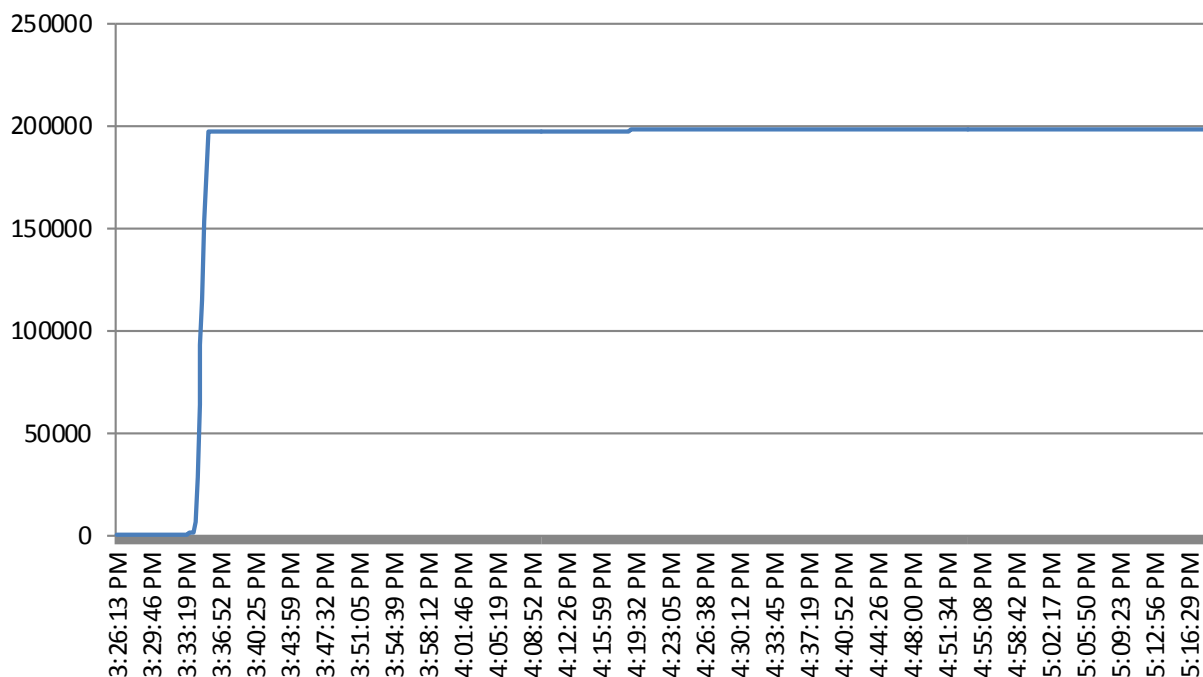
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Time

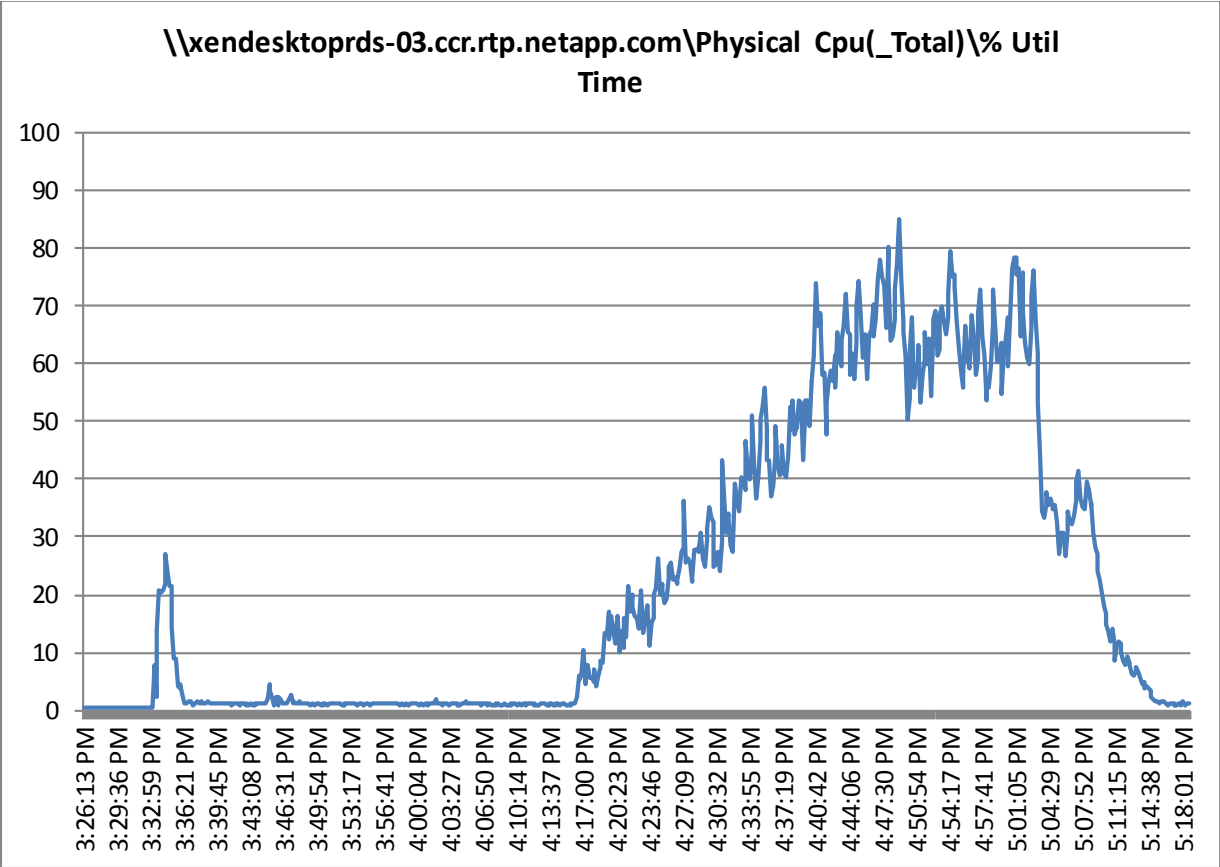
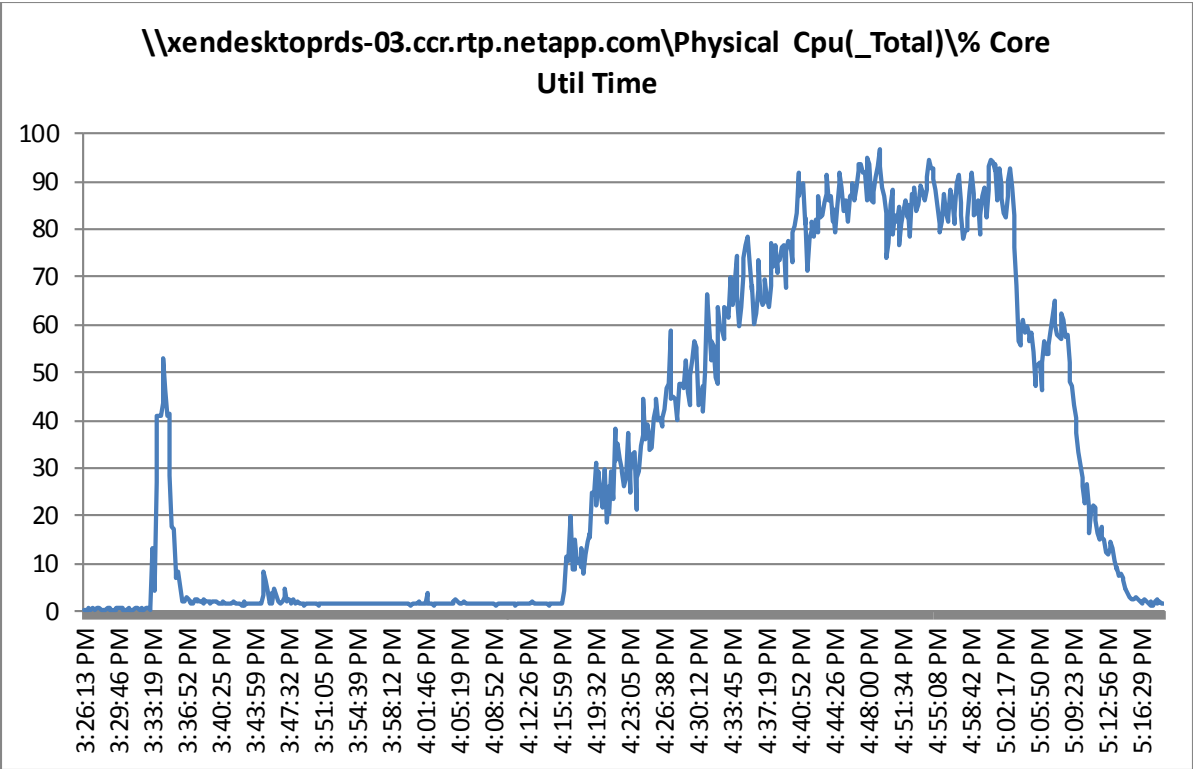


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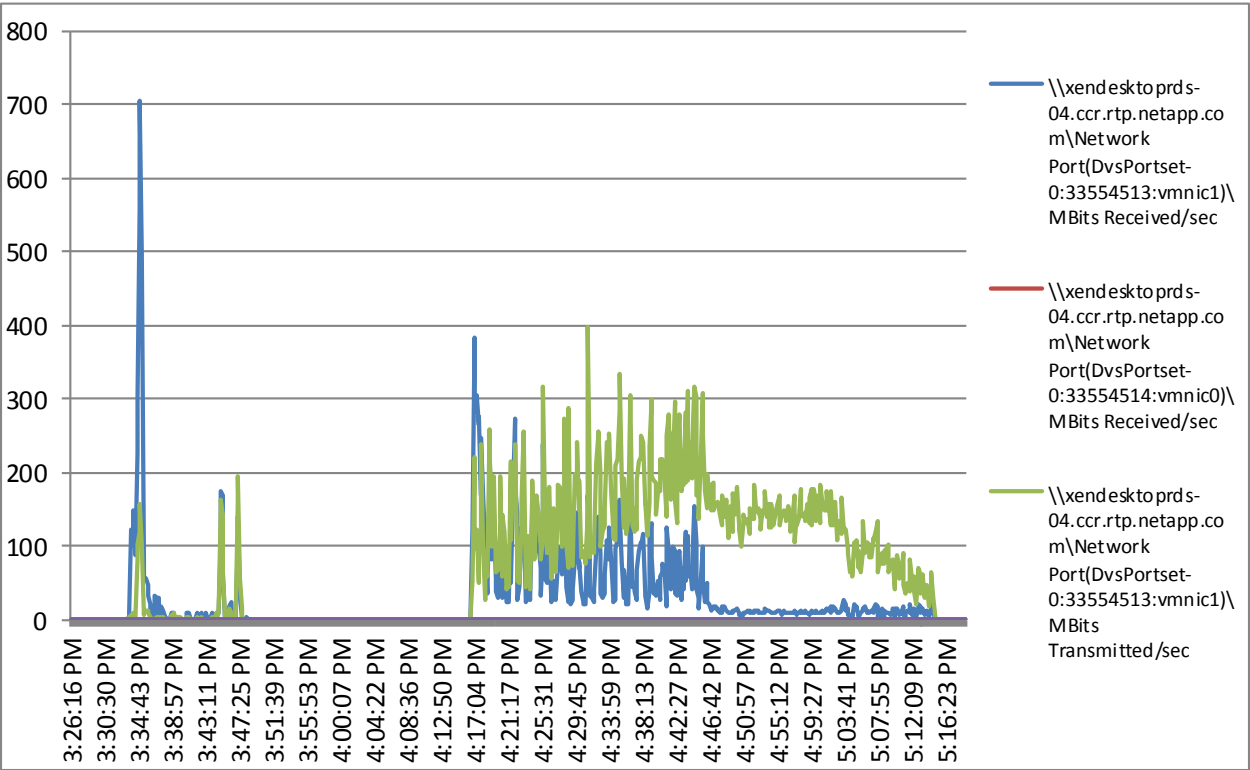
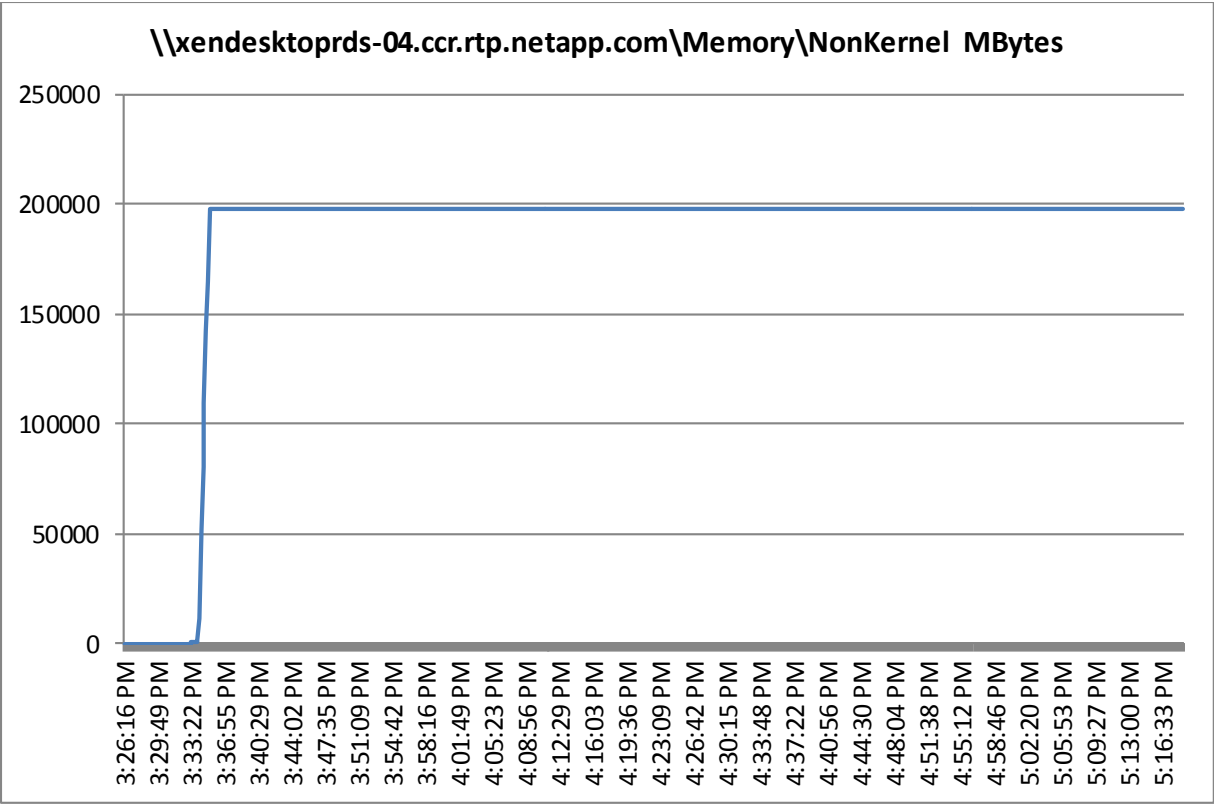


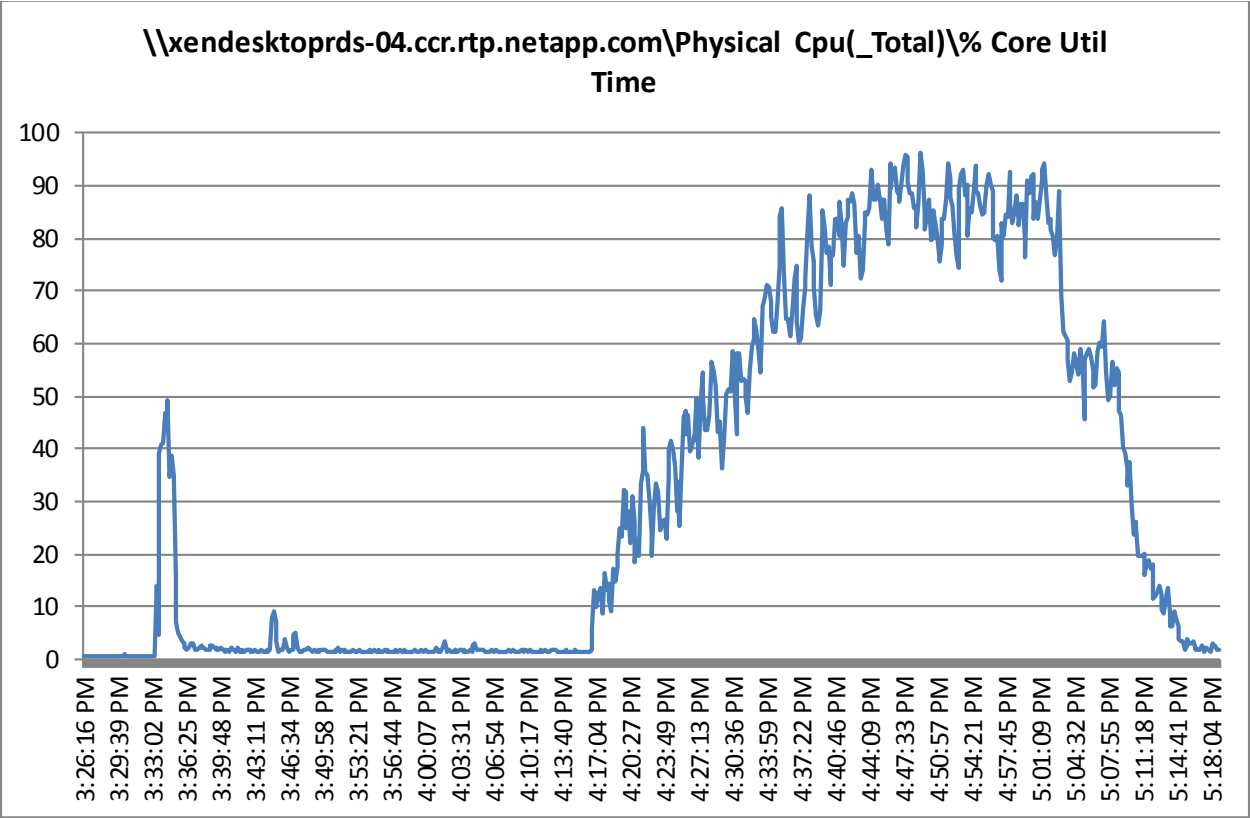
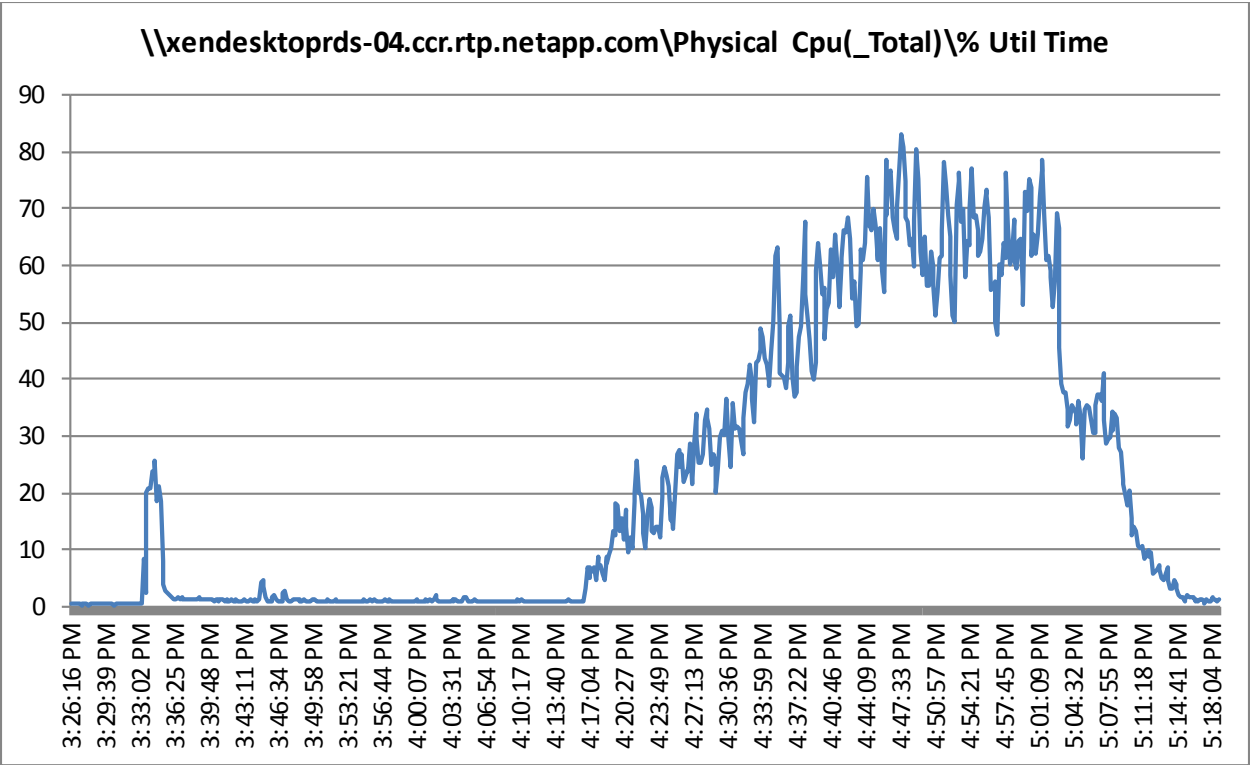
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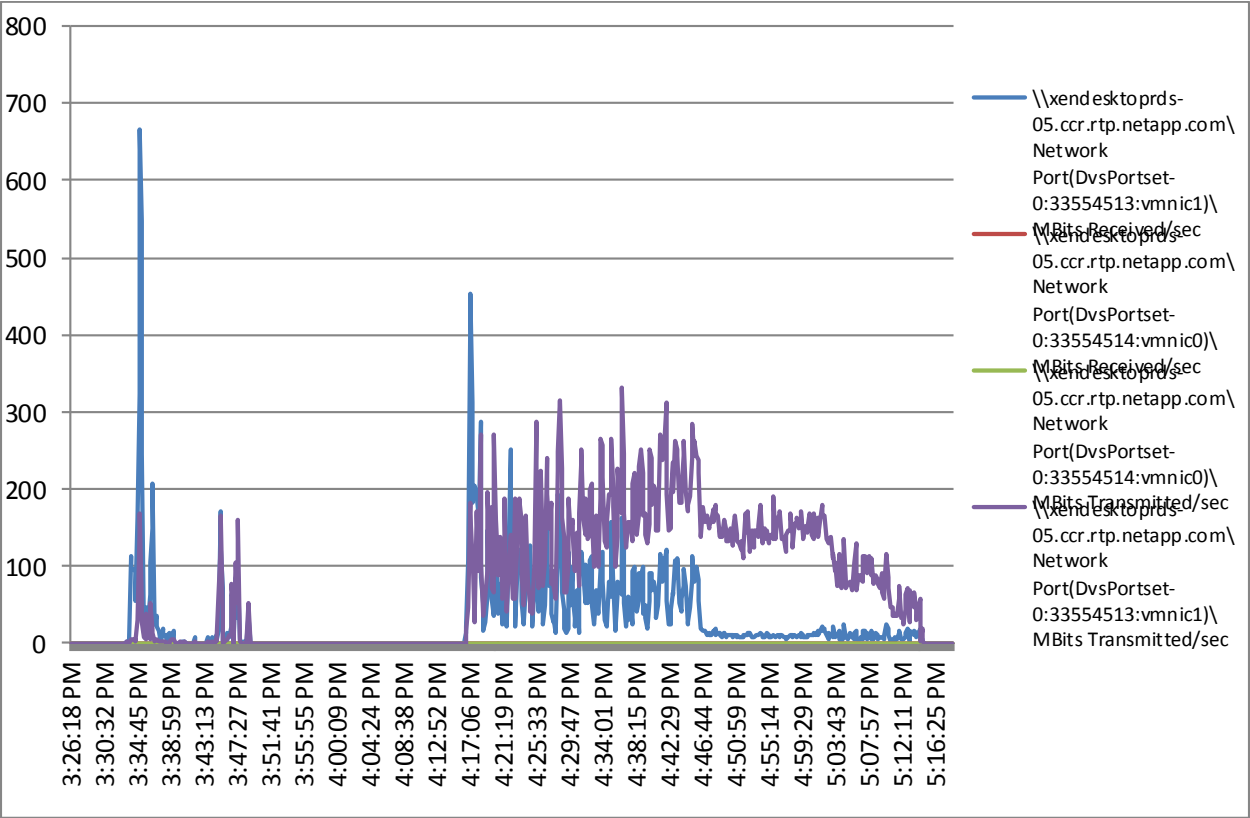
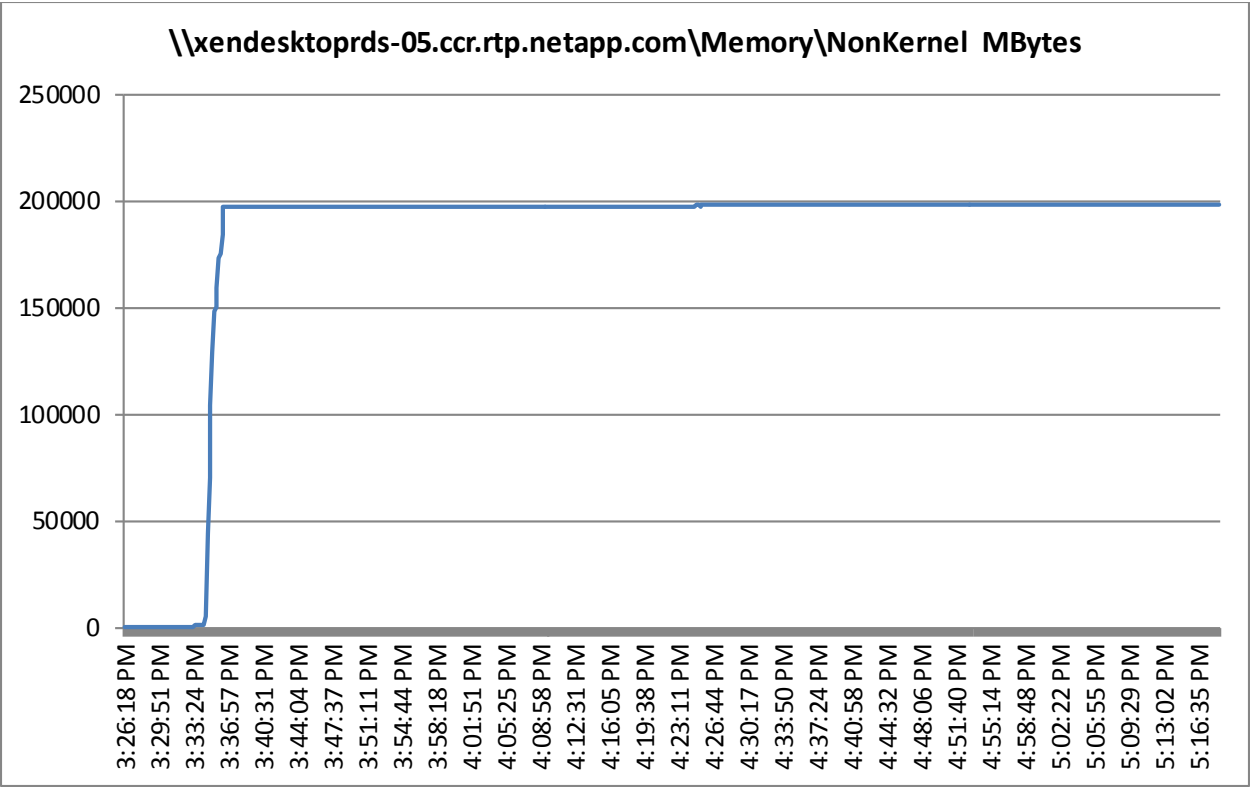




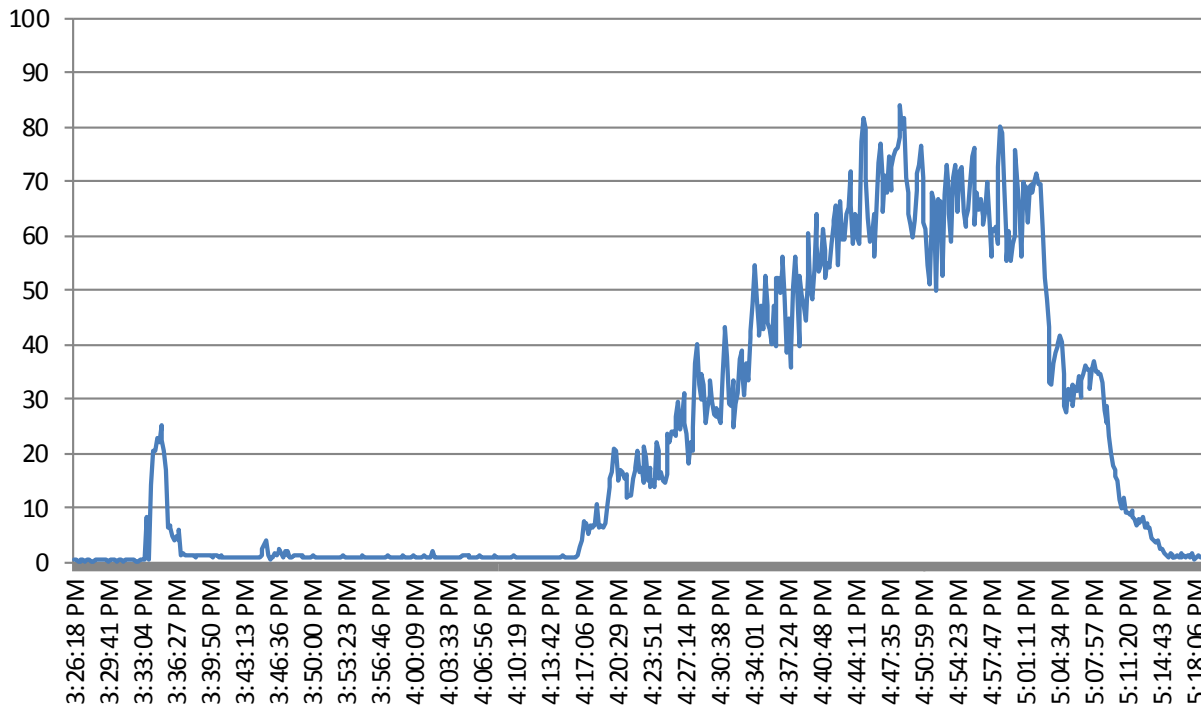
MIX-2000U-SCALE4-RDS04-88L-MED-PAR-1525-122313



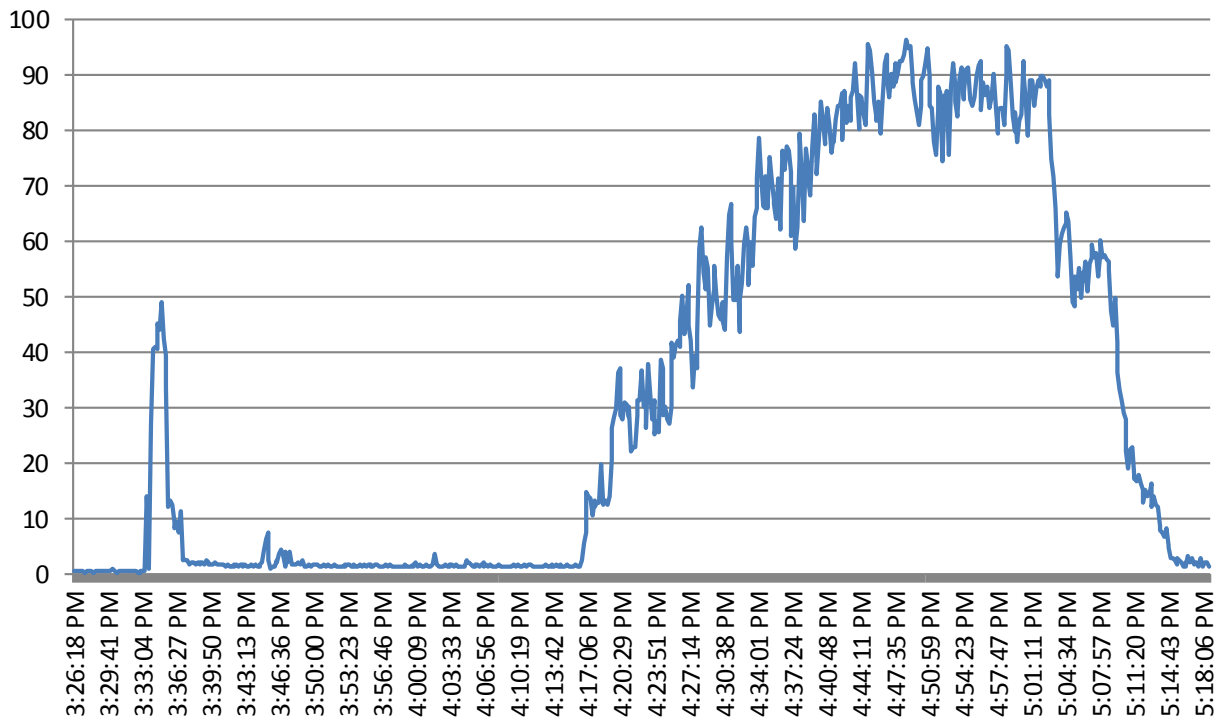




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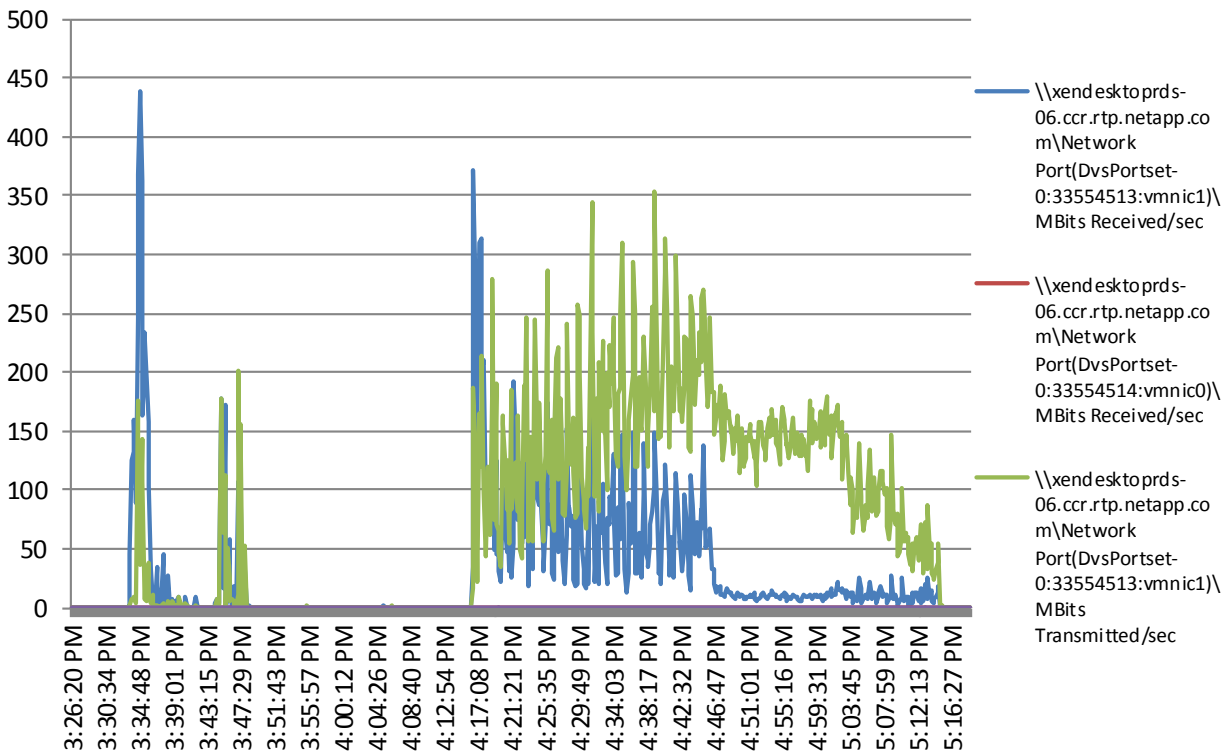
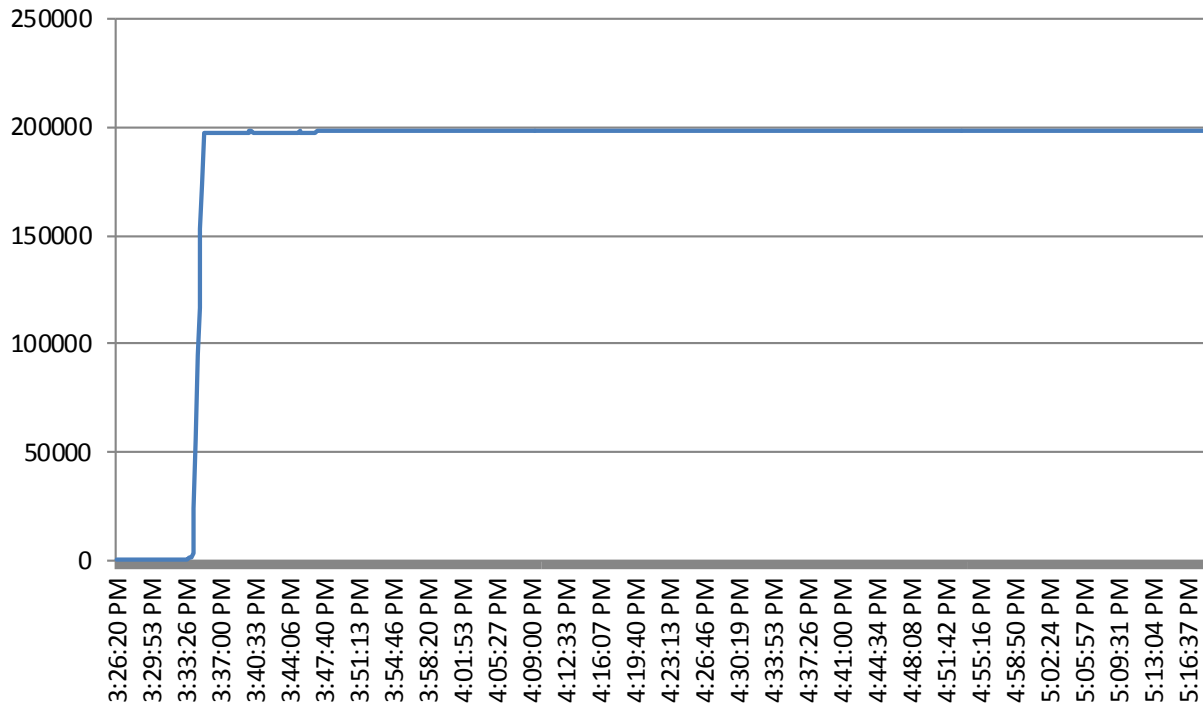


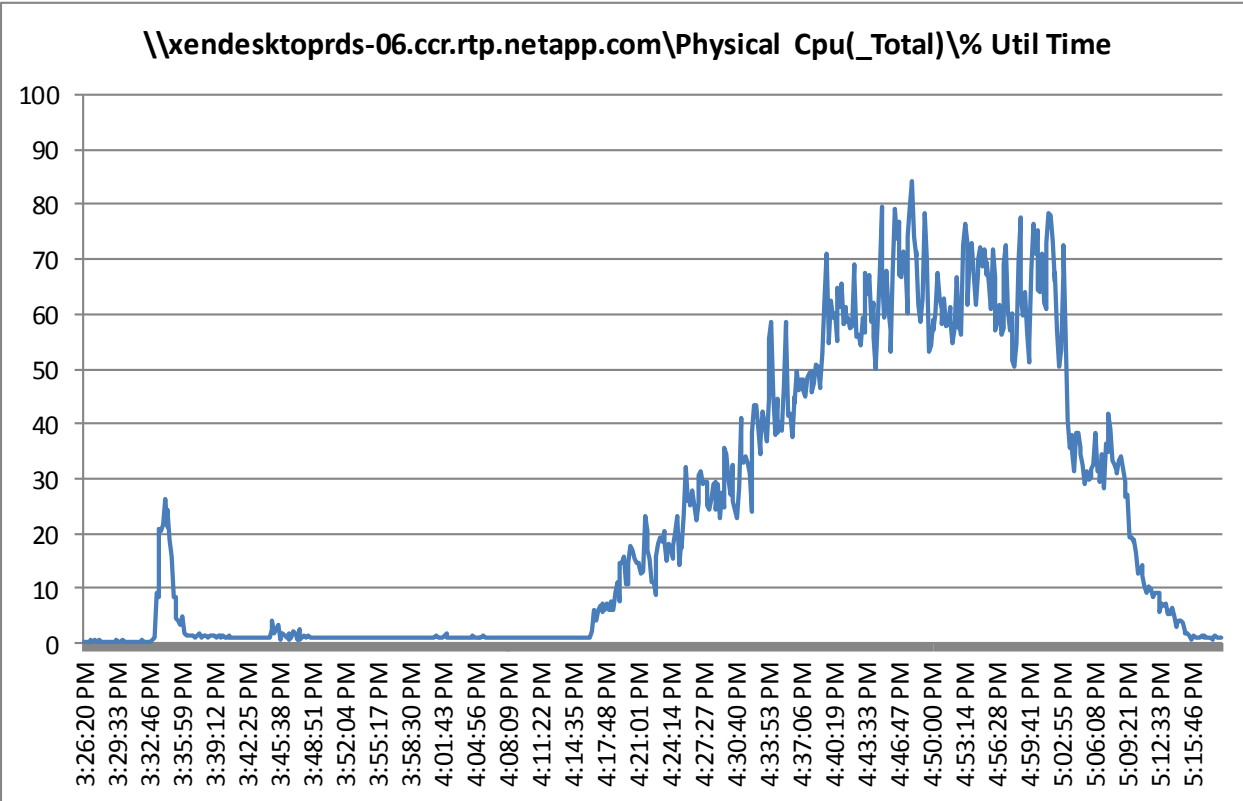
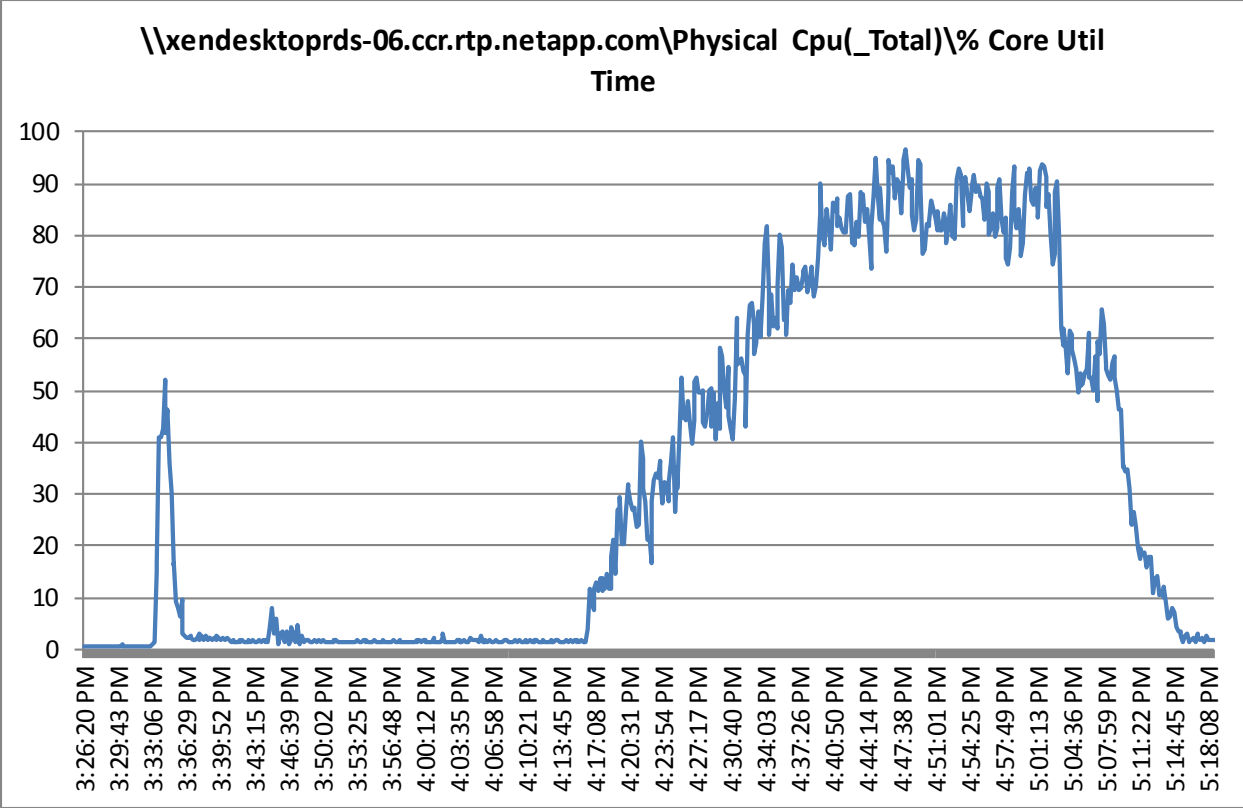
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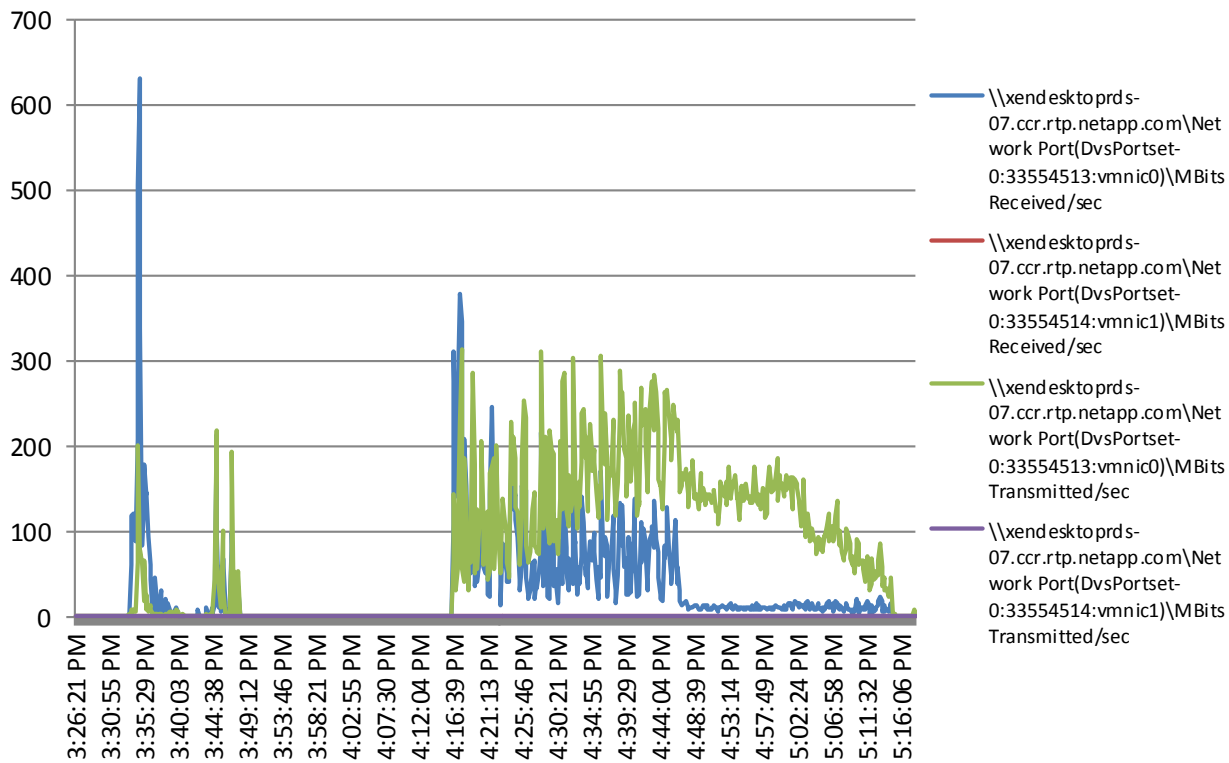
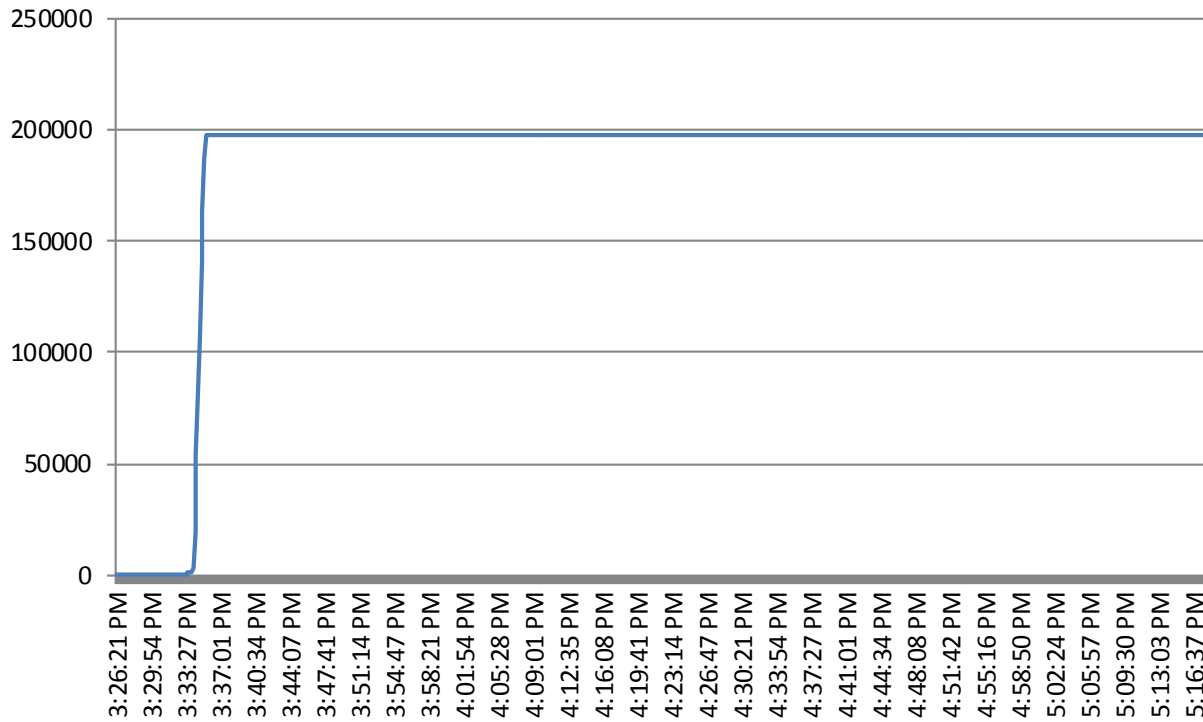
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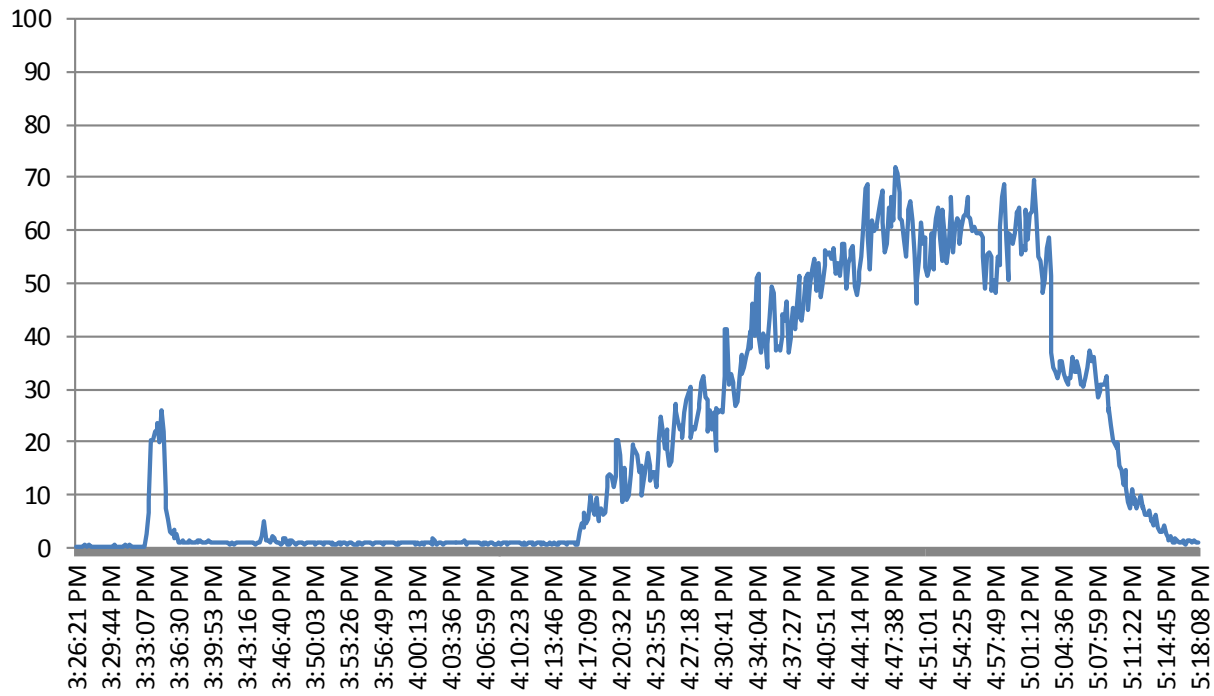




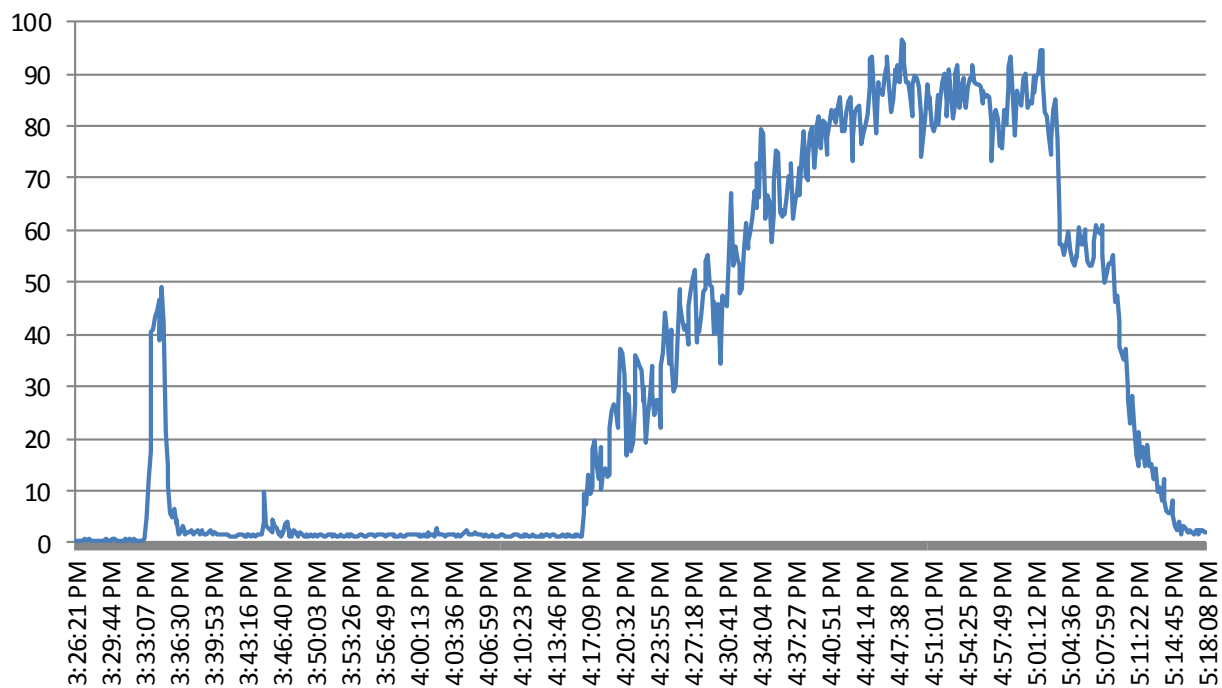
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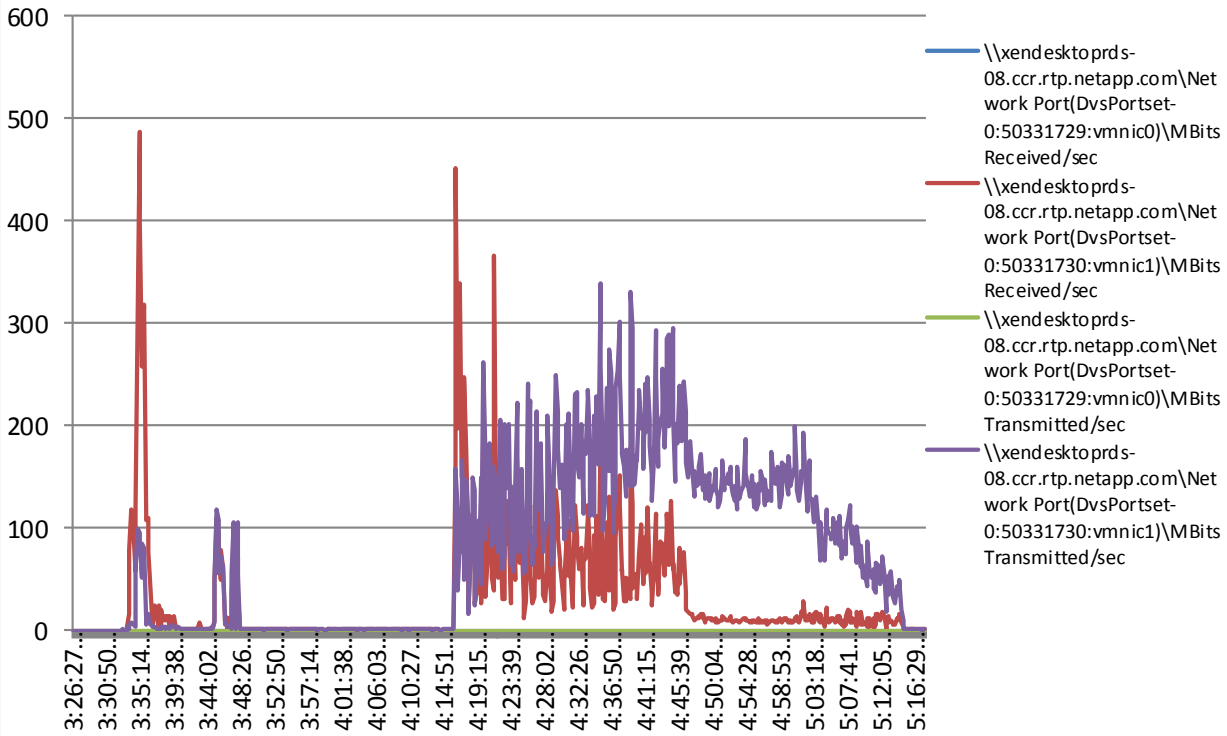
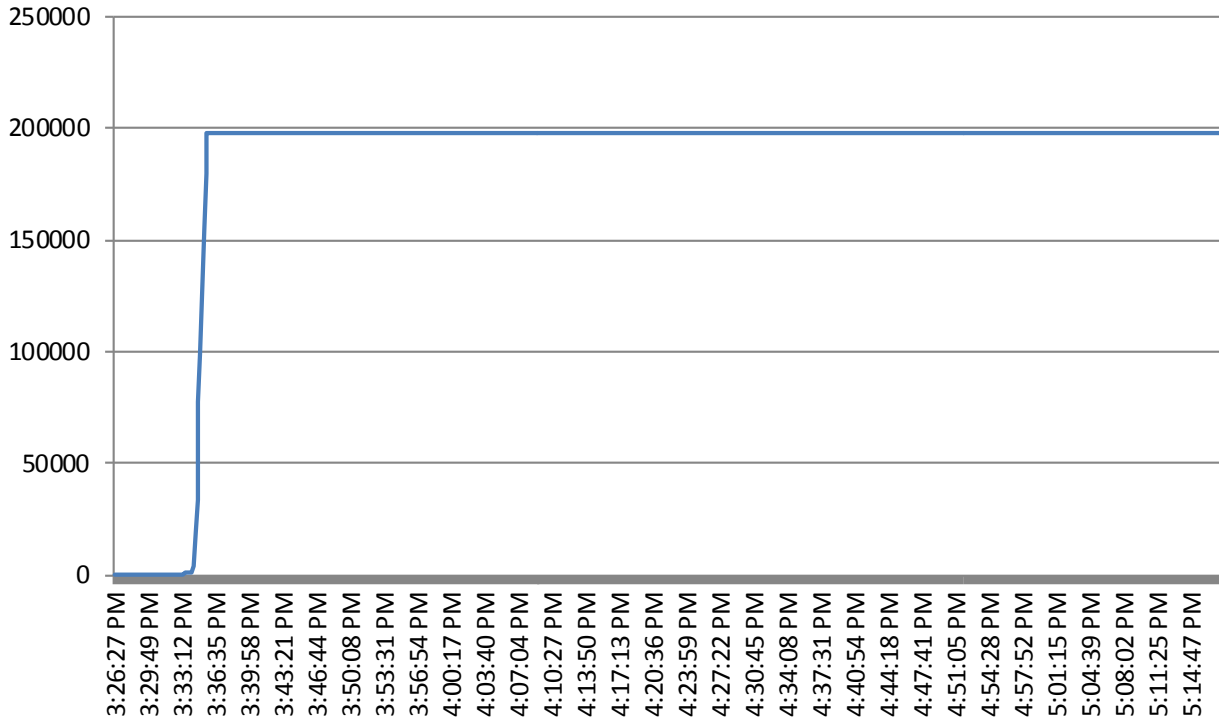
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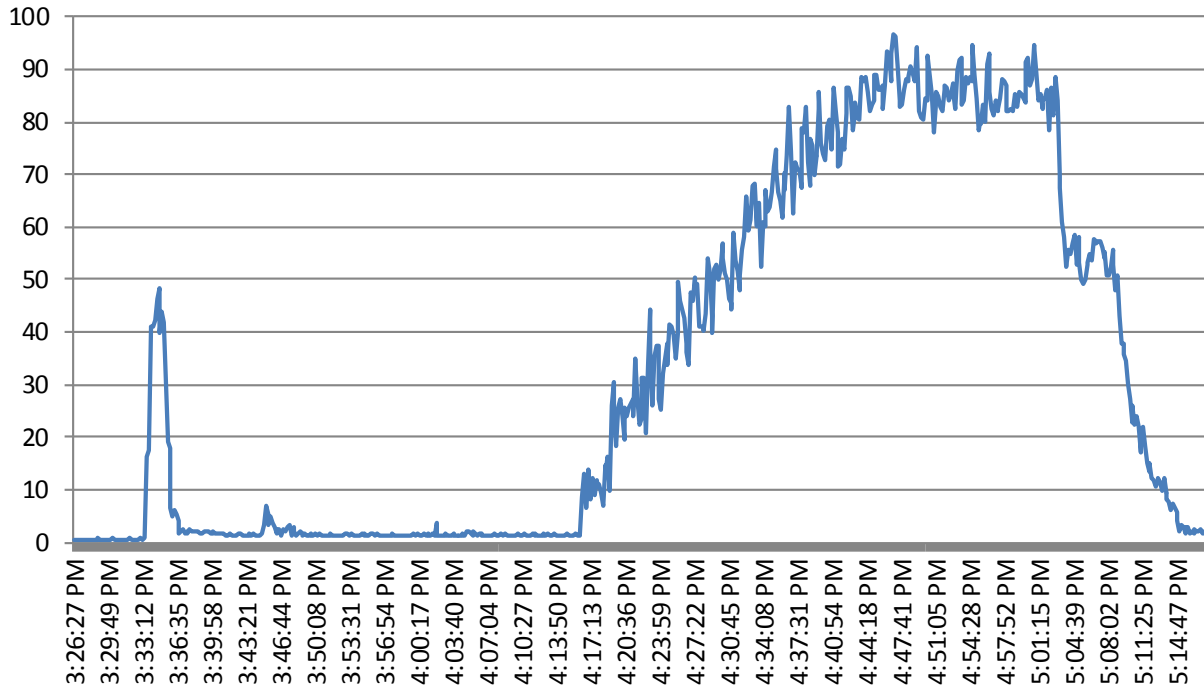
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Time



\\xendesktoprds-08.ccr.rtp.netapp.com\Physical Cpu(_Total)\% Util Time

