Test Report

January 07, 2021 05:49:02PM

# 1. Test Results Summary

## 1.1 Summary Results

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Total Tests | Total Passed | Total Failed | Total Skipped | Total Errored | Total Duration |
| 248 | 224 | 20 | 4 | 0 | 48.783289432525635 |

## 1.2 Summary Totals for Devices Under Tests

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| DUT | Total Tests | Total Passed | Total Failed | Total Skipped | Total Errored |
| kg-topology-CloudEosRR1 | 62 | 56 | 5 | 1 | 0 |
| kg-topology-CloudEosRR2 | 62 | 56 | 5 | 1 | 0 |
| kg-topology-CloudEOSEdge1 | 62 | 56 | 5 | 1 | 0 |
| kg-topology-CloudEOSEdge2 | 62 | 56 | 5 | 1 | 0 |

## 1.3 Summary Totals for Test Suites

|  |  |  |  |
| --- | --- | --- | --- |
| Test Suite | Total Tests | Total Passed | Total Failed |
| Cpu | 6 | 6 | 0 |
| Dns | 6 | 4 | 2 |
| Ztp | 4 | 4 | 0 |
| Daemon | 4 | 4 | 0 |
| System | 4 | 2 | 2 |
| Extension | 4 | 4 | 0 |
| Environment | 10 | 10 | 0 |
| Filesystem | 2 | 2 | 0 |
| Host | 2 | 2 | 0 |
| Interface | 16 | 14 | 2 |
| Lldp | 10 | 8 | 2 |
| Logging | 2 | 2 | 0 |
| Api | 10 | 10 | 0 |
| Ntp | 10 | 8 | 2 |
| Users | 2 | 2 | 0 |
| Memory | 2 | 2 | 0 |

# 2. Test Case Results Summary

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Id | Test Suite | Test Case | DUT | Result | Failure Reason |
| 1 | Cpu | Test 1 min cpu utlization | kg-topology-CloudEosRR1 | PASS |  |
| 2 | Cpu | Test 1 min cpu utlization | kg-topology-CloudEosRR2 | PASS |  |
| 3 | Cpu | Test 1 sec cpu utlization | kg-topology-CloudEosRR1 | PASS |  |
| 4 | Cpu | Test 1 sec cpu utlization | kg-topology-CloudEosRR2 | PASS |  |
| 5 | Cpu | Test 5 min cpu utlization | kg-topology-CloudEosRR1 | PASS |  |
| 6 | Cpu | Test 5 min cpu utlization | kg-topology-CloudEosRR2 | PASS |  |
| 7 | Dns | Test dns configuration | kg-topology-CloudEosRR1 | PASS |  |
| 8 | Dns | Test dns configuration | kg-topology-CloudEosRR2 | PASS |  |
| 9 | Dns | Test if dns resolves | kg-topology-CloudEosRR1 | PASS |  |
| 10 | Dns | Test if dns resolves | kg-topology-CloudEosRR2 | PASS |  |
| 11 | Dns | Test if dns servers are reachable | kg-topology-CloudEosRR1 | FAIL | On router |kg-topology-CloudEosRR1|, verifying NTP server reachability for |11.201.12.2| is |False|. |
| 12 | Dns | Test if dns servers are reachable | kg-topology-CloudEosRR2 | FAIL | On router |kg-topology-CloudEosRR2|, verifying NTP server reachability for |11.201.12.2| is |False|. |
| 13 | Ztp | Test for zerotouch config file | kg-topology-CloudEosRR1 | PASS |  |
| 14 | Ztp | Test for zerotouch config file | kg-topology-CloudEosRR2 | PASS |  |
| 15 | Ztp | Test if zerotouch is disabled | kg-topology-CloudEosRR1 | PASS |  |
| 16 | Ztp | Test if zerotouch is disabled | kg-topology-CloudEosRR2 | PASS |  |
| 17 | Daemon | Test if daemons are enabled | kg-topology-CloudEosRR1 | PASS |  |
| 18 | Daemon | Test if daemons are enabled | kg-topology-CloudEosRR2 | PASS |  |
| 19 | Daemon | Test if daemons are running | kg-topology-CloudEosRR1 | PASS |  |
| 20 | Daemon | Test if daemons are running | kg-topology-CloudEosRR2 | PASS |  |
| 21 | System | Test if eos version is correct | kg-topology-CloudEosRR1 | FAIL | On router |kg-topology-CloudEosRR1| EOS version is |4.24.0FX-cloud%|, version should be |4.23.1F-cloud-16179785.jakartarel (engineering build)%| |
| 22 | System | Test if eos version is correct | kg-topology-CloudEosRR2 | FAIL | On router |kg-topology-CloudEosRR2| EOS version is |4.24.0FX-cloud%|, version should be |4.23.1F-cloud-16179785.jakartarel (engineering build)%| |
| 23 | System | Test if there is agents have crashed | kg-topology-CloudEosRR1 | PASS |  |
| 24 | System | Test if there is agents have crashed | kg-topology-CloudEosRR2 | PASS |  |
| 25 | Extension | Test if extensions are erroring | kg-topology-CloudEosRR1 | PASS |  |
| 26 | Extension | Test if extensions are erroring | kg-topology-CloudEosRR2 | PASS |  |
| 27 | Extension | Test if extensions are installed | kg-topology-CloudEosRR1 | PASS |  |
| 28 | Extension | Test if extensions are installed | kg-topology-CloudEosRR2 | PASS |  |
| 29 | Environment | Test if fan status is in spec | kg-topology-CloudEosRR1 | PASS |  |
| 30 | Environment | Test if fan status is in spec | kg-topology-CloudEosRR2 | PASS |  |
| 31 | Environment | Test if sensors temp is in spec | kg-topology-CloudEosRR1 | PASS |  |
| 32 | Environment | Test if sensors temp is in spec | kg-topology-CloudEosRR2 | PASS |  |
| 33 | Environment | Test if system environment cooling is in spec | kg-topology-CloudEosRR1 | PASS |  |
| 34 | Environment | Test if system environment cooling is in spec | kg-topology-CloudEosRR2 | PASS |  |
| 35 | Environment | Test if system environment power are in spec | kg-topology-CloudEosRR1 | PASS |  |
| 36 | Environment | Test if system environment power are in spec | kg-topology-CloudEosRR2 | PASS |  |
| 37 | Environment | Test if system environment temp is in spec | kg-topology-CloudEosRR1 | PASS |  |
| 38 | Environment | Test if system environment temp is in spec | kg-topology-CloudEosRR2 | PASS |  |
| 39 | Filesystem | Test if files | kg-topology-CloudEosRR1 | PASS |  |
| 40 | Filesystem | Test if files | kg-topology-CloudEosRR2 | PASS |  |
| 41 | Host | Test if hostname is correcet | kg-topology-CloudEosRR1 | PASS |  |
| 42 | Host | Test if hostname is correcet | kg-topology-CloudEosRR2 | PASS |  |
| 43 | Interface | Test if interface errors | kg-topology-CloudEosRR1 | PASS |  |
| 44 | Interface | Test if interface errors | kg-topology-CloudEosRR2 | PASS |  |
| 45 | Interface | Test if interface in counters are discarding | kg-topology-CloudEosRR1 | PASS |  |
| 46 | Interface | Test if interface in counters are discarding | kg-topology-CloudEosRR2 | PASS |  |
| 47 | Interface | Test if interface link status is connected | kg-topology-CloudEosRR1 | PASS |  |
| 48 | Interface | Test if interface link status is connected | kg-topology-CloudEosRR2 | PASS |  |
| 49 | Interface | Test if interface mtu is correct | kg-topology-CloudEosRR1 | FAIL | On interface |Ethernet1|: interface MTU is |1500|, correct MTU is |10178|. |
| 50 | Interface | Test if interface mtu is correct | kg-topology-CloudEosRR2 | FAIL | On interface |Ethernet1|: interface MTU is |1500|, correct MTU is |10178|. |
| 51 | Interface | Test if interface out counters are discarding | kg-topology-CloudEosRR1 | PASS |  |
| 52 | Interface | Test if interface out counters are discarding | kg-topology-CloudEosRR2 | PASS |  |
| 53 | Interface | Test if interface phy status connected | kg-topology-CloudEosRR1 | PASS |  |
| 54 | Interface | Test if interface phy status connected | kg-topology-CloudEosRR2 | PASS |  |
| 55 | Interface | Test if interface protocol status is connected | kg-topology-CloudEosRR1 | PASS |  |
| 56 | Interface | Test if interface protocol status is connected | kg-topology-CloudEosRR2 | PASS |  |
| 57 | Interface | Test interface utilization | kg-topology-CloudEosRR1 | PASS |  |
| 58 | Interface | Test interface utilization | kg-topology-CloudEosRR2 | PASS |  |
| 59 | Lldp | Test if lldp interface id is correct | kg-topology-CloudEosRR1 | PASS |  |
| 60 | Lldp | Test if lldp interface id is correct | kg-topology-CloudEosRR2 | PASS |  |
| 61 | Lldp | Test if lldp max frame size is correct | kg-topology-CloudEosRR1 | FAIL | On interface |Ethernet1|: LLDP local-info maxFrameSize is |9236|, correct maxFrameSize is |10200|. |
| 62 | Lldp | Test if lldp max frame size is correct | kg-topology-CloudEosRR2 | FAIL | On interface |Ethernet1|: LLDP local-info maxFrameSize is |9236|, correct maxFrameSize is |10200|. |
| 63 | Lldp | Test if lldp rx is enabled | kg-topology-CloudEosRR1 | PASS |  |
| 64 | Lldp | Test if lldp rx is enabled | kg-topology-CloudEosRR2 | PASS |  |
| 65 | Lldp | Test if lldp system name is correct | kg-topology-CloudEosRR1 | PASS |  |
| 66 | Lldp | Test if lldp system name is correct | kg-topology-CloudEosRR2 | PASS |  |
| 67 | Lldp | Test if lldp tx is enabled | kg-topology-CloudEosRR1 | PASS |  |
| 68 | Lldp | Test if lldp tx is enabled | kg-topology-CloudEosRR2 | PASS |  |
| 69 | Logging | Test if log messages appear | kg-topology-CloudEosRR1 | PASS |  |
| 70 | Logging | Test if log messages appear | kg-topology-CloudEosRR2 | PASS |  |
| 71 | Api | Test if management http api server is running | kg-topology-CloudEosRR1 | PASS |  |
| 72 | Api | Test if management http api server is running | kg-topology-CloudEosRR2 | PASS |  |
| 73 | Api | Test if management https api server is enabled | kg-topology-CloudEosRR1 | PASS |  |
| 74 | Api | Test if management https api server is enabled | kg-topology-CloudEosRR2 | PASS |  |
| 75 | Api | Test if management https api server is running | kg-topology-CloudEosRR1 | PASS |  |
| 76 | Api | Test if management https api server is running | kg-topology-CloudEosRR2 | PASS |  |
| 77 | Api | Test if management https api server port is correct | kg-topology-CloudEosRR1 | PASS |  |
| 78 | Api | Test if management https api server port is correct | kg-topology-CloudEosRR2 | PASS |  |
| 79 | Api | Test if management local http api server is running | kg-topology-CloudEosRR1 | PASS |  |
| 80 | Api | Test if management local http api server is running | kg-topology-CloudEosRR2 | PASS |  |
| 81 | Ntp | Test if ntp associated with peers | kg-topology-CloudEosRR1 | PASS |  |
| 82 | Ntp | Test if ntp associated with peers | kg-topology-CloudEosRR2 | PASS |  |
| 83 | Ntp | Test if ntp is synchronized | kg-topology-CloudEosRR1 | PASS |  |
| 84 | Ntp | Test if ntp is synchronized | kg-topology-CloudEosRR2 | PASS |  |
| 85 | Ntp | Test if ntp servers are reachable | kg-topology-CloudEosRR1 | FAIL | On router |kg-topology-CloudEosRR1|, verifying NTP server reachability for |169.254.169.123| is |False|. |
| 86 | Ntp | Test if ntp servers are reachable | kg-topology-CloudEosRR2 | FAIL | On router |kg-topology-CloudEosRR2|, verifying NTP server reachability for |169.254.169.123| is |False|. |
| 87 | Ntp | Test if process is running | kg-topology-CloudEosRR1 | PASS |  |
| 88 | Ntp | Test if process is running | kg-topology-CloudEosRR2 | PASS |  |
| 89 | Ntp | Test ntp configuration | kg-topology-CloudEosRR1 | PASS |  |
| 90 | Ntp | Test ntp configuration | kg-topology-CloudEosRR2 | PASS |  |
| 91 | Users | Test if usernames are configured | kg-topology-CloudEosRR1 | PASS |  |
| 92 | Users | Test if usernames are configured | kg-topology-CloudEosRR2 | PASS |  |
| 93 | Memory | Test memory utilization | kg-topology-CloudEosRR1 | PASS |  |
| 94 | Memory | Test memory utilization | kg-topology-CloudEosRR2 | PASS |  |

# 3. Detailed Test Suite Results: Cpu

## 3.1 Test Case: Test 1 min cpu utlization

### 3.1.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 1 |
| Name | test\_1\_min\_cpu\_utlization\_on\_ |
| Description | Verify 1 minute CPU % is under specificied value |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show processes |
| Expected output | 10 |
| Actual output | 1.52 |
| Test result | True |
| Fail reason |  |
| Comment | TEST if 1 minute CPU utilization is less than specified value on |kg-topology-CloudEosRR1|. GIVEN CPU utilization is less than |10|. WHEN CPU utilization is |1.52|. THEN test case result is |True|. OUTPUT of |show processes| is :   17:48:36 up 90 days, 1:39, 0 users, load average: 1.28, 1.52, 1.45  PID %CPU %MEM TT STAT STARTED TIME CMD  1928 102 3.4 ? Sl Oct 09 92-03:12:19 Sfe  1678 0.4 2.0 ? Sl Oct 09 08:42:28 /usr/bin/TerminAttr -cvaddr=apiserver.arista.io:443 -cvcompression=gzip -cvauth=token-secure,/tmp/token -smashexcludes=ale,flexCounter,hardware,kni,pulse,strata-ingestexclude=/Sysdb/cell/1/agent,/Sysdb/cell/2/agent -cvvrf=default -cvsourceip=11.201.12.101 -taillogs -grpcaddr=0.0.0.0:6042 21844 0.2 0.6 ? SNl Dec 28 00:35:20 python2.7 /var/awslogs/bin/aws logs push --config-file /mnt/flash/awslogs/awslogs.conf --additional-configs-dir /mnt/flash/awslogs/config  1231 0.1 0.9 ? S Oct 09 04:06:34 ProcMgr-worker  1545 0.1 7.1 ? Sl Oct 09 02:57:40 ConfigAgent  1 0.0 0.0 ? Ss Oct 09 00:12:41 /sbin/init  2 0.0 0.0 ? S Oct 09 00:00:00 [kthreadd]  3 0.0 0.0 ? S Oct 09 00:01:08 [ksoftirqd/0]  5 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/0:0H]  7 0.0 0.0 ? S Oct 09 00:02:07 [rcu\_preempt]  8 0.0 0.0 ? S Oct 09 00:00:00 [rcu\_sched]  9 0.0 0.0 ? S Oct 09 00:00:00 [rcu\_bh]  10 0.0 0.0 ? S Oct 09 00:00:00 [migration/0]  11 0.0 0.0 ? S< Oct 09 00:00:00 [lru-add-drain]  12 0.0 0.0 ? S Oct 09 00:00:02 [watchdog/0]  13 0.0 0.0 ? S Oct 09 00:00:00 [cpuhp/0]  14 0.0 0.0 ? S Oct 09 00:00:00 [cpuhp/1]  15 0.0 0.0 ? S Oct 09 00:00:03 [watchdog/1]  16 0.0 0.0 ? S Oct 09 00:00:00 [migration/1]  17 0.0 0.0 ? S Oct 09 00:00:00 [ksoftirqd/1]  18 0.0 0.0 ? S Oct 09 00:00:00 [kworker/1:0]  19 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/1:0H]  20 0.0 0.0 ? S Oct 09 00:00:00 [cpuhp/2]  21 0.0 0.0 ? S Oct 09 00:00:00 [watchdog/2]  22 0.0 0.0 ? S Oct 09 00:00:00 [migration/2]  23 0.0 0.0 ? S Oct 09 00:00:00 [ksoftirqd/2]  24 0.0 0.0 ? S Oct 09 00:00:00 [kworker/2:0]  25 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/2:0H]  26 0.0 0.0 ? S Oct 09 00:00:00 [cpuhp/3]  27 0.0 0.0 ? S Oct 09 00:00:00 [watchdog/3]  28 0.0 0.0 ? S Oct 09 00:00:00 [migration/3]  29 0.0 0.0 ? S Oct 09 00:00:00 [ksoftirqd/3]  30 0.0 0.0 ? S Oct 09 00:00:00 [kworker/3:0]  31 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/3:0H]  32 0.0 0.0 ? S Oct 09 00:00:00 [kdevtmpfs]  33 0.0 0.0 ? S< Oct 09 00:00:00 [netns]  34 0.0 0.0 ? S Oct 09 00:00:00 [khungtaskd]  35 0.0 0.0 ? S Oct 09 00:03:39 [khungtaskd2]  36 0.0 0.0 ? S Oct 09 00:00:00 [oom\_reaper]  37 0.0 0.0 ? S< Oct 09 00:00:00 [writeback]  38 0.0 0.0 ? S Oct 09 00:00:00 [kcompactd0]  39 0.0 0.0 ? S< Oct 09 00:00:00 [crypto]  40 0.0 0.0 ? S< Oct 09 00:00:00 [kintegrityd]  41 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  42 0.0 0.0 ? S< Oct 09 00:00:00 [kblockd]  43 0.0 0.0 ? S< Oct 09 00:00:00 [ata\_sff]  44 0.0 0.0 ? S< Oct 09 00:00:00 [edac-poller]  45 0.0 0.0 ? S Oct 09 00:00:00 [dst\_gc\_task]  46 0.0 0.0 ? S< Oct 09 00:00:00 [watchdogd]  47 0.0 0.0 ? S Oct 09 00:00:00 [arp\_cache-prd]  49 0.0 0.0 ? S Oct 09 00:00:00 [icmp\_unreachabl]  50 0.0 0.0 ? S< Oct 09 00:00:00 [rpciod]  51 0.0 0.0 ? S< Oct 09 00:00:00 [xprtiod]  52 0.0 0.0 ? S Oct 09 00:00:00 [kswapd0]  53 0.0 0.0 ? S< Oct 09 00:00:00 [vmstat]  54 0.0 0.0 ? S< Oct 09 00:00:00 [nfsiod]  63 0.0 0.0 ? S< Oct 09 00:00:00 [pcielwd]  64 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  65 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  66 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  67 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  68 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  69 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  70 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  71 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  72 0.0 0.0 ? S< Oct 09 00:00:00 [nvme]  74 0.0 0.0 ? S Oct 09 00:00:00 [ndisc\_cache-prd]  75 0.0 0.0 ? S< Oct 09 00:00:00 [ipv6\_addrconf]  76 0.0 0.0 ? S< Oct 09 00:00:00 [ecc\_log\_wq]  124 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  125 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  171 0.0 0.0 ? S Oct 09 00:00:01 [jbd2/nvme0n1p1-]  172 0.0 0.0 ? S< Oct 09 00:00:00 [ext4-rsv-conver]  247 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/0:1H]  272 0.0 0.0 ? S< Oct 09 00:00:00 [loop0]  383 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/lib/systemd/systemd-udevd  414 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/sbin/lvmetad -f  506 0.0 0.0 ? S< Oct 09 00:00:00 [ena]  679 0.0 0.0 ? S Oct 09 00:00:00 [kworker/1:1]  733 0.0 0.0 ? Ss Oct 09 00:02:39 /usr/bin/ProcMonitor  749 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/sbin/mcelog --ignorenodev --daemon --foreground  751 0.0 0.0 ? Ss Oct 09 00:03:36 /usr/lib/systemd/systemd-logind  755 0.0 0.1 ? Ss Oct 09 00:07:38 /usr/bin/dbus-daemon --system --address=systemd: --nofork --nopidfile --systemd-activation  778 0.0 0.0 ? Ss Oct 09 00:00:27 /usr/sbin/xinetd -stayalive -pidfile /var/run/xinetd.pid  849 0.0 0.0 ? Ss Oct 09 00:00:43 /usr/sbin/crond -n  868 0.0 0.0 ? S<s Oct 09 00:00:58 /usr/bin/wdogdev -t 60  986 0.0 0.0 ? S Oct 09 00:00:00 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/local.new . && mv /mnt/flash/persist/local.new /mnt/flash/persist/local || logger -t SetupPersist Failed to update /mnt/flash/persist/local --daemon --logfile=/var/log/inotifyrun-local.log --pidfile=/var/run/inotifyrun-local.pid /persist/local  988 0.0 0.0 pts/0 Ss+ Oct 09 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1001 0.0 0.0 ? S Oct 09 00:00:07 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/sys.new . && mv /mnt/flash/persist/sys.new /mnt/flash/persist/sys || logger -t SetupPersist Failed to update /mnt/flash/persist/sys --daemon --logfile=/var/log/inotifyrun-sys.log --pidfile=/var/run/inotifyrun-sys.pid /persist/sys  1005 0.0 0.0 pts/1 Ss+ Oct 09 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1016 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/bin/SaveFossil --dedup --compress --priority Sysdb --maxFiles 1000 /var/tmp/Fossil /mnt/flash/Fossil  1021 0.0 0.0 ? S Oct 09 00:00:00 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/secure.new . && sync && ( mv /mnt/flash/persist/secure /mnt/flash/persist/secure.old; mv /mnt/flash/persist/secure.new /mnt/flash/persist/secure; sync ) && ( scrub --no-signature /mnt/flash/persist/secure.old; rm /mnt/flash/persist/secure.old ) || logger -t SetupPersist Failed to update /mnt/flash/persist/secure --daemon --logfile=/var/log/inotifyrun-secure.log --pidfile=/var/run/inotifyrun-secure.pid /persist/secure  1022 0.0 0.0 pts/2 Ss+ Oct 09 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1053 0.0 0.0 ? Ss Oct 09 00:00:00 /bin/bash /usr/sbin/core\_annotate\_util daemon  1177 0.0 0.1 ? S Oct 09 00:00:00 python /bin/immortalize --daemonize --log=/var/log/agents/ConnMgr --logappend --logpidsuffix --maxcredits=5 --cost=1 --immortalizepidfile=/var/run/ImmortalizeConnMgr.pid /usr/bin/ConnMgr -p /var/run/ConnMgr.pid  1178 0.0 0.1 ? S Oct 09 00:00:00 /usr/bin/ConnMgr -p /var/run/ConnMgr.pid  1211 0.0 0.0 ? S Oct 09 00:00:00 inotifywait -e modify /var/lib/rpm  1214 0.0 0.3 ? S Oct 09 00:00:00 netnsd-watcher -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1216 0.0 0.3 ? S Oct 09 00:00:00 netnsd-server -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1230 0.0 0.9 ? S Oct 09 00:00:00 ProcMgr-master  1403 0.0 0.0 ? S Oct 09 00:29:17 /usr/bin/EosOomAdjust  1411 0.0 0.0 ? S Oct 09 00:00:54 [rbfd\_vrf\_cleanu]  1426 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/sbin/acpid  1463 0.0 0.0 ? S Oct 09 00:06:54 /usr/bin/SlabMonitor  1464 0.0 2.5 ? S Oct 09 01:34:53 Sysdb  1543 0.0 1.2 ? S Oct 09 00:01:57 StageMgr  1547 0.0 1.4 ? S Oct 09 00:04:29 Fru  1548 0.0 1.8 ? S Oct 09 00:01:39 Launcher  1712 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Lldp --demuxerOpts=275482372096,275482095106,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Lldp  1713 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1715 0.0 1.2 ? S Oct 09 00:24:43 Lldp  1717 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=McastCommon --demuxerOpts=275539207066,275531172101,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/McastCommon  1718 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1719 0.0 1.2 ? S Oct 09 00:08:28 McastCommon  1722 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=PortSec --demuxerOpts=275630742842,275586496008,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/PortSec  1723 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1725 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Bfd --demuxerOpts=275697984092,275668336464,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Bfd  1726 0.0 1.1 ? S Oct 09 00:05:22 PortSec  1727 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1729 0.0 1.3 ? S Oct 09 00:10:33 Bfd  1730 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Lag --demuxerOpts=275798425594,275754087410,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Lag  1731 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/1:1H]  1732 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1736 0.0 1.3 ? S Oct 09 00:45:50 Lag  1738 0.0 1.7 ? S Oct 09 01:30:50 SuperServer  1745 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Ira --demuxerOpts=279430842216,279242511590,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Ira  1746 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1747 0.0 1.4 ? S Oct 09 00:09:13 Ira  1748 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=LedPolicy --demuxerOpts=279643633598,279537036113,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/LedPolicy  1749 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1753 0.0 1.1 ? S Oct 09 00:07:40 LedPolicy  1754 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=EventMgr --demuxerOpts=279769194613,279729578605,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/EventMgr  1755 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1756 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=StpTxRx --demuxerOpts=279994695436,279989742052,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/StpTxRx  1757 0.0 1.3 ? S Oct 09 00:19:53 EventMgr  1758 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1759 0.0 1.2 ? S Oct 09 01:08:36 StpTxRx  1760 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=StandbyCpld --demuxerOpts=283497454610,280155363384,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/StandbyCpld  1761 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1763 0.0 1.1 ? S Oct 09 00:01:39 StandbyCpld  1764 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=AgentMonitor --demuxerOpts=283615375164,283615161637,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/AgentMonitor  1765 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1766 0.0 1.0 ? S Oct 09 01:44:22 AgentMonitor  1767 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Tunnel --demuxerOpts=283815717588,283815476170,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Tunnel  1768 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1769 0.0 1.2 ? S Oct 09 00:03:52 Tunnel  1770 0.0 1.6 ? Sl Oct 09 00:05:16 Aaa  1772 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=StpTopology --demuxerOpts=284200272970,284200028375,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/StpTopology  1773 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1774 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Acl --demuxerOpts=284441840621,284425363995,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Acl  1775 0.0 1.2 ? S Oct 09 00:08:36 StpTopology  1776 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1777 0.0 1.3 ? S Oct 09 00:51:32 Acl  1780 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Stp --demuxerOpts=288142997842,287926529966,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Stp  1781 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1782 0.0 1.1 ? S Oct 09 00:13:19 Stp  1783 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=KernelNetworkInfo --demuxerOpts=288348042626,288306991250,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/KernelNetworkInfo  1784 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1785 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=McastCommon6 --demuxerOpts=288476386621,288476154232,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/McastCommon6  1787 0.0 1.1 ? S Oct 09 00:04:39 KernelNetworkInfo  1788 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1791 0.0 1.2 ? S Oct 09 00:08:29 McastCommon6  1792 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=LacpTxAgent --demuxerOpts=288660551570,288660315029,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/LacpTxAgent  1793 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1794 0.0 1.2 ? S Oct 09 00:08:24 LacpTxAgent  1795 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Arp --demuxerOpts=292182880197,292182644203,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Arp  1797 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1798 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=KernelFib --demuxerOpts=292387136971,292386913377,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/KernelFib  1799 0.0 1.4 ? S Oct 09 00:12:22 Arp  1801 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1802 0.0 1.3 ? S Oct 09 00:08:53 KernelFib  1803 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Qos --demuxerOpts=292597182171,292545957912,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Qos  1804 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1805 0.0 1.2 ? S Oct 09 00:06:59 Qos  1808 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Thermostat --demuxerOpts=293031182227,292789955533,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Thermostat  1811 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1813 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=L2Rib --demuxerOpts=296490028279,296489674232,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/L2Rib  1814 0.0 1.1 ? S Oct 09 00:04:47 Thermostat  1816 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1818 0.0 1.2 ? S Oct 09 00:03:01 L2Rib  1820 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=TopoAgent --demuxerOpts=296723998947,296723793865,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/TopoAgent --scheduled  1821 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1823 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=PowerFuse --demuxerOpts=296913137499,296912919995,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/PowerFuse  1824 0.0 1.1 ? S Oct 09 00:04:37 TopoAgent  1826 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1828 0.0 1.0 ? S Oct 09 00:01:39 PowerFuse  1830 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=PowerManager --demuxerOpts=297125141566,297124919716,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/PowerManager  1832 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1833 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Ebra --demuxerOpts=300674037695,300668400686,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Ebra  1835 0.0 1.1 ? S Oct 09 00:01:38 PowerManager  1838 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1842 0.0 1.3 ? S Oct 09 00:18:03 Ebra  1849 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=ReloadCauseAgent --demuxerOpts=301136672884,300906411409,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/ReloadCauseAgent  1857 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1860 0.0 1.1 ? S Oct 09 00:01:39 ReloadCauseAgent  1861 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=SharedSecretProfile --demuxerOpts=301283236428,301260543814,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/SharedSecretProfile  1866 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1867 0.0 1.5 ? S Oct 09 00:09:17 IgmpSnooping  1868 0.0 1.0 ? S Oct 09 00:01:37 SharedSecretProfile  1882 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=StaticRoute --demuxerOpts=305461543441,305461133260,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/StaticRoute --scheduled  1887 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1888 0.0 1.3 ? S Oct 09 00:04:43 StaticRoute  1891 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=IpRib --demuxerOpts=305680427337,305680168169,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/IpRib --scheduled  1896 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1897 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=BgpCliHelper --demuxerOpts=305860331663,305860120352,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/BgpCliHelper --scheduled  1898 0.0 1.6 ? S Oct 09 00:11:34 IpRib  1901 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1904 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=ConnectedRoute --demuxerOpts=309314764439,309314498787,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/ConnectedRoute  1905 0.0 1.9 ? S Oct 09 00:05:55 BgpCliHelper  1907 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1908 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=RouteInput --demuxerOpts=309483970353,309483752885,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/RouteInput  1909 0.0 1.2 ? S Oct 09 00:09:22 ConnectedRoute  1912 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1913 0.0 2.2 ? Sl Oct 09 00:28:48 Bgp  1916 0.0 1.3 ? S Oct 09 00:05:41 RouteInput  1924 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Sfe --demuxerOpts=310187581898,309839049654,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Sfe  1926 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2274 0.0 0.0 ? Ssl Oct 09 00:01:41 /usr/sbin/rsyslogd -n  2325 0.0 0.0 ? S Oct 09 00:00:00 /usr/sbin/dnsmasq  2420 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=LicenseManager --demuxerOpts=357235757262,357235513961,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/LicenseManager  2423 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2425 0.0 1.1 ? S Oct 09 00:01:48 LicenseManager  2617 0.0 0.0 ? S Oct 09 00:00:00 /usr/bin/conlogd  2618 0.0 0.0 tty1 Ss+ Oct 09 00:00:00 /sbin/agetty --noclear tty1 linux  2619 0.0 0.0 ttyS0 Ss+ Oct 09 00:00:00 /sbin/mingetty --noclear /dev/ttyS0  2623 0.0 0.0 ? S Oct 09 00:00:00 sh -c /usr/bin/tail -n 0 --retry --follow=name --pid=2617 /var/log/eos-console | sed 's/\(.\*\)/\1\r/'  2626 0.0 0.0 ? S Oct 09 00:00:56 /usr/bin/tail -n 0 --retry --follow=name --pid=2617 /var/log/eos-console  2627 0.0 0.0 ? S Oct 09 00:00:00 sed s/\(.\*\)/\1\r/  2629 0.0 0.0 ? Zs Oct 09 00:00:00 [SuperServer] <defunct>  2678 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Ipsec --demuxerOpts=378052162806,378051926006,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Ipsec  2679 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2681 0.0 1.3 ? S Oct 09 00:29:01 Ipsec  2684 0.0 0.4 ? Ss Oct 09 00:00:03 dhclient -e SYSNAME=ar -e SYSDBSOCKNAME=sysdb -e VRFNAME=default -sf /etc/dhcp/dhclient-script.py -pf /var/run/dhclient-default.pid -cf /etc/dhcp/dhclient-default.conf -lf /var/lib/dhclient/dhclient-default.leases -e et1=Ethernet1  2713 0.0 0.1 ? Ssl Oct 09 00:02:35 ntpd -u ntp:ntp -g -p /var/run/ntpd.pid  2717 0.0 0.0 ? Ss Oct 09 00:00:00 fusermount -o rw,nosuid,nodev,allow\_other,auto\_unmount,subtype=MfibFuse -- /BessProc  3345 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/libexec/strongswan/starter --daemon charon  3347 0.0 0.1 ? Ssl Oct 09 00:05:52 /usr/libexec/strongswan/charon --use-syslog  3740 0.0 0.0 ? S 17:36:00 00:00:00 [kworker/0:1]  4607 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=CapiApp --demuxerOpts=5742810699600,5742810359951,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/CapiApp --ini /etc/uwsgi/CapiApp.ini  4608 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  4609 0.0 1.3 ? Sl Oct 09 00:01:57 CapiApp -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  4653 0.0 0.0 ? Ss Oct 09 00:00:00 nginx: master process /usr/sbin/nginx -c /etc/nginx/nginx.conf -g pid /var/run/nginx.pid;  4655 0.0 0.1 ? S Oct 09 00:00:08 nginx: worker process   7961 0.0 0.0 ? S 17:42:00 00:00:00 [kworker/0:2] 12348 0.0 0.0 ? S 17:48:01 00:00:00 [kworker/0:3] 12926 0.0 0.0 ? Zs 17:48:35 00:00:00 [python] <defunct> 12934 0.0 0.0 ? Rs 17:48:35 00:00:00 ps -e -o pid,pcpu,pmem,tt,stat,lstart,start,time,cmd --sort=-pcpu -ww 12935 0.0 0.0 ? Rs 17:48:35 00:00:00 [ConfigAgent] 20558 0.0 0.0 ? S Nov 08 00:00:02 [kworker/u8:1] 21830 0.0 0.0 ? S Dec 28 00:00:00 /bin/sh /var/awslogs/bin/awslogs-agent-launcher.sh 24557 0.0 0.0 ? S 16:11:08 00:00:00 [kworker/u8:2] 28287 0.0 0.0 ? S 17:03:00 00:00:00 [kworker/0:0] . |

### 3.1.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 2 |
| Name | test\_1\_min\_cpu\_utlization\_on\_ |
| Description | Verify 1 minute CPU % is under specificied value |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show processes |
| Expected output | 10 |
| Actual output | 1.45 |
| Test result | True |
| Fail reason |  |
| Comment | TEST if 1 minute CPU utilization is less than specified value on |kg-topology-CloudEosRR2|. GIVEN CPU utilization is less than |10|. WHEN CPU utilization is |1.45|. THEN test case result is |True|. OUTPUT of |show processes| is :   17:48:36 up 90 days, 1:39, 0 users, load average: 1.20, 1.45, 1.35  PID %CPU %MEM TT STAT STARTED TIME CMD  1867 102 3.4 ? Sl Oct 09 92-04:35:56 Sfe  1699 0.4 2.0 ? Sl Oct 09 08:44:21 /usr/bin/TerminAttr -cvaddr=apiserver.arista.io:443 -cvcompression=gzip -cvauth=token-secure,/tmp/token -smashexcludes=ale,flexCounter,hardware,kni,pulse,strata-ingestexclude=/Sysdb/cell/1/agent,/Sysdb/cell/2/agent -cvvrf=default -cvsourceip=11.201.13.101 -taillogs -grpcaddr=0.0.0.0:6042  7922 0.2 0.7 ? SNl Dec 31 00:25:53 python2.7 /var/awslogs/bin/aws logs push --config-file /mnt/flash/awslogs/awslogs.conf --additional-configs-dir /mnt/flash/awslogs/config  1220 0.1 0.9 ? S Oct 09 04:13:51 ProcMgr-worker  1569 0.1 7.1 ? Sl Oct 09 02:57:15 ConfigAgent  1 0.0 0.0 ? Ss Oct 09 00:12:42 /sbin/init  2 0.0 0.0 ? S Oct 09 00:00:00 [kthreadd]  3 0.0 0.0 ? S Oct 09 00:01:14 [ksoftirqd/0]  5 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/0:0H]  7 0.0 0.0 ? S Oct 09 00:02:00 [rcu\_preempt]  8 0.0 0.0 ? S Oct 09 00:00:00 [rcu\_sched]  9 0.0 0.0 ? S Oct 09 00:00:00 [rcu\_bh]  10 0.0 0.0 ? S Oct 09 00:00:00 [migration/0]  11 0.0 0.0 ? S< Oct 09 00:00:00 [lru-add-drain]  12 0.0 0.0 ? S Oct 09 00:00:03 [watchdog/0]  13 0.0 0.0 ? S Oct 09 00:00:00 [cpuhp/0]  14 0.0 0.0 ? S Oct 09 00:00:00 [cpuhp/1]  15 0.0 0.0 ? S Oct 09 00:00:08 [watchdog/1]  16 0.0 0.0 ? S Oct 09 00:00:00 [migration/1]  17 0.0 0.0 ? S Oct 09 00:00:00 [ksoftirqd/1]  18 0.0 0.0 ? S Oct 09 00:00:00 [kworker/1:0]  19 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/1:0H]  20 0.0 0.0 ? S Oct 09 00:00:00 [cpuhp/2]  21 0.0 0.0 ? S Oct 09 00:00:00 [watchdog/2]  22 0.0 0.0 ? S Oct 09 00:00:00 [migration/2]  23 0.0 0.0 ? S Oct 09 00:00:00 [ksoftirqd/2]  24 0.0 0.0 ? S Oct 09 00:00:00 [kworker/2:0]  25 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/2:0H]  26 0.0 0.0 ? S Oct 09 00:00:00 [cpuhp/3]  27 0.0 0.0 ? S Oct 09 00:00:00 [watchdog/3]  28 0.0 0.0 ? S Oct 09 00:00:00 [migration/3]  29 0.0 0.0 ? S Oct 09 00:00:00 [ksoftirqd/3]  30 0.0 0.0 ? S Oct 09 00:00:00 [kworker/3:0]  31 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/3:0H]  32 0.0 0.0 ? S Oct 09 00:00:00 [kdevtmpfs]  33 0.0 0.0 ? S< Oct 09 00:00:00 [netns]  34 0.0 0.0 ? S Oct 09 00:00:00 [khungtaskd]  35 0.0 0.0 ? S Oct 09 00:03:38 [khungtaskd2]  36 0.0 0.0 ? S Oct 09 00:00:00 [oom\_reaper]  37 0.0 0.0 ? S< Oct 09 00:00:00 [writeback]  38 0.0 0.0 ? S Oct 09 00:00:00 [kcompactd0]  39 0.0 0.0 ? S< Oct 09 00:00:00 [crypto]  40 0.0 0.0 ? S< Oct 09 00:00:00 [kintegrityd]  41 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  42 0.0 0.0 ? S< Oct 09 00:00:00 [kblockd]  43 0.0 0.0 ? S< Oct 09 00:00:00 [ata\_sff]  44 0.0 0.0 ? S< Oct 09 00:00:00 [edac-poller]  45 0.0 0.0 ? S Oct 09 00:00:00 [dst\_gc\_task]  46 0.0 0.0 ? S< Oct 09 00:00:00 [watchdogd]  47 0.0 0.0 ? S Oct 09 00:00:00 [arp\_cache-prd]  49 0.0 0.0 ? S Oct 09 00:00:00 [icmp\_unreachabl]  50 0.0 0.0 ? S< Oct 09 00:00:00 [rpciod]  51 0.0 0.0 ? S< Oct 09 00:00:00 [xprtiod]  52 0.0 0.0 ? S Oct 09 00:00:00 [kswapd0]  53 0.0 0.0 ? S< Oct 09 00:00:00 [vmstat]  54 0.0 0.0 ? S< Oct 09 00:00:00 [nfsiod]  63 0.0 0.0 ? S< Oct 09 00:00:00 [pcielwd]  64 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  65 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  66 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  67 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  68 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  69 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  70 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  71 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  72 0.0 0.0 ? S< Oct 09 00:00:00 [nvme]  74 0.0 0.0 ? S Oct 09 00:00:00 [ndisc\_cache-prd]  75 0.0 0.0 ? S< Oct 09 00:00:00 [ipv6\_addrconf]  76 0.0 0.0 ? S< Oct 09 00:00:00 [ecc\_log\_wq]  124 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  125 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  171 0.0 0.0 ? S Oct 09 00:00:01 [jbd2/nvme0n1p1-]  172 0.0 0.0 ? S< Oct 09 00:00:00 [ext4-rsv-conver]  247 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/0:1H]  272 0.0 0.0 ? S< Oct 09 00:00:00 [loop0]  385 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/lib/systemd/systemd-udevd  411 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/sbin/lvmetad -f  506 0.0 0.0 ? S< Oct 09 00:00:00 [ena]  704 0.0 0.0 ? S Oct 09 00:00:00 [kworker/1:1]  736 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/sbin/mcelog --ignorenodev --daemon --foreground  750 0.0 0.0 ? Ss Oct 09 00:02:39 /usr/bin/ProcMonitor  754 0.0 0.0 ? Ss Oct 09 00:03:37 /usr/lib/systemd/systemd-logind  755 0.0 0.1 ? Ss Oct 09 00:07:37 /usr/bin/dbus-daemon --system --address=systemd: --nofork --nopidfile --systemd-activation  783 0.0 0.0 ? Ss Oct 09 00:00:23 /usr/sbin/xinetd -stayalive -pidfile /var/run/xinetd.pid  886 0.0 0.0 ? Ss Oct 09 00:00:42 /usr/sbin/crond -n  892 0.0 0.0 ? S<s Oct 09 00:00:58 /usr/bin/wdogdev -t 60  984 0.0 0.0 ? S Oct 09 00:00:00 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/local.new . && mv /mnt/flash/persist/local.new /mnt/flash/persist/local || logger -t SetupPersist Failed to update /mnt/flash/persist/local --daemon --logfile=/var/log/inotifyrun-local.log --pidfile=/var/run/inotifyrun-local.pid /persist/local  987 0.0 0.0 pts/0 Ss+ Oct 09 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  998 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/bin/SaveFossil --dedup --compress --priority Sysdb --maxFiles 1000 /var/tmp/Fossil /mnt/flash/Fossil  1006 0.0 0.0 ? S Oct 09 00:00:07 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/sys.new . && mv /mnt/flash/persist/sys.new /mnt/flash/persist/sys || logger -t SetupPersist Failed to update /mnt/flash/persist/sys --daemon --logfile=/var/log/inotifyrun-sys.log --pidfile=/var/run/inotifyrun-sys.pid /persist/sys  1008 0.0 0.0 pts/1 Ss+ Oct 09 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1020 0.0 0.0 ? S Oct 09 00:00:00 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/secure.new . && sync && ( mv /mnt/flash/persist/secure /mnt/flash/persist/secure.old; mv /mnt/flash/persist/secure.new /mnt/flash/persist/secure; sync ) && ( scrub --no-signature /mnt/flash/persist/secure.old; rm /mnt/flash/persist/secure.old ) || logger -t SetupPersist Failed to update /mnt/flash/persist/secure --daemon --logfile=/var/log/inotifyrun-secure.log --pidfile=/var/run/inotifyrun-secure.pid /persist/secure  1023 0.0 0.0 pts/2 Ss+ Oct 09 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1051 0.0 0.0 ? Ss Oct 09 00:00:00 /bin/bash /usr/sbin/core\_annotate\_util daemon  1166 0.0 0.1 ? S Oct 09 00:00:00 python /bin/immortalize --daemonize --log=/var/log/agents/ConnMgr --logappend --logpidsuffix --maxcredits=5 --cost=1 --immortalizepidfile=/var/run/ImmortalizeConnMgr.pid /usr/bin/ConnMgr -p /var/run/ConnMgr.pid  1167 0.0 0.1 ? S Oct 09 00:00:00 /usr/bin/ConnMgr -p /var/run/ConnMgr.pid  1200 0.0 0.0 ? S Oct 09 00:00:00 inotifywait -e modify /var/lib/rpm  1203 0.0 0.3 ? S Oct 09 00:00:00 netnsd-watcher -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1205 0.0 0.3 ? S Oct 09 00:00:00 netnsd-server -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1219 0.0 0.9 ? S Oct 09 00:00:00 ProcMgr-master  1430 0.0 0.0 ? S Oct 09 00:29:16 /usr/bin/EosOomAdjust  1438 0.0 0.0 ? S Oct 09 00:00:50 [rbfd\_vrf\_cleanu]  1453 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/sbin/acpid  1490 0.0 0.0 ? S Oct 09 00:06:57 /usr/bin/SlabMonitor  1491 0.0 2.5 ? S Oct 09 01:35:12 Sysdb  1568 0.0 1.2 ? S Oct 09 00:01:58 StageMgr  1571 0.0 1.4 ? S Oct 09 00:04:28 Fru  1572 0.0 1.8 ? S Oct 09 00:01:38 Launcher  1688 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Lldp --demuxerOpts=267022308128,267022046453,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Lldp  1690 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=McastCommon --demuxerOpts=267060701420,267060508537,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/McastCommon  1691 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1693 0.0 1.2 ? S Oct 09 00:23:32 Lldp  1694 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=PortSec --demuxerOpts=267110961213,267109664682,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/PortSec  1695 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1696 0.0 1.2 ? S Oct 09 00:08:36 McastCommon  1697 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1698 0.0 1.1 ? S Oct 09 00:05:37 PortSec  1714 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Bfd --demuxerOpts=267287943293,267201183478,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Bfd  1715 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1717 0.0 1.3 ? S Oct 09 00:11:22 Bfd  1718 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/1:1H]  1719 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Lag --demuxerOpts=271081382312,270995105784,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Lag  1722 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1726 0.0 1.3 ? S Oct 09 00:47:26 Lag  1729 0.0 1.7 ? S Oct 09 01:31:06 SuperServer  1734 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Ira --demuxerOpts=274988497901,271357642443,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Ira  1735 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1736 0.0 1.4 ? S Oct 09 00:08:37 Ira  1738 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=LedPolicy --demuxerOpts=275250997605,275154076090,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/LedPolicy  1740 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1741 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=EventMgr --demuxerOpts=275322741078,275313300522,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/EventMgr  1742 0.0 1.1 ? S Oct 09 00:07:48 LedPolicy  1743 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1744 0.0 1.3 ? S Oct 09 00:19:58 EventMgr  1745 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=StpTxRx --demuxerOpts=275444901964,275402374762,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/StpTxRx  1746 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1747 0.0 1.2 ? S Oct 09 01:13:01 StpTxRx  1748 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=StandbyCpld --demuxerOpts=275574357813,275495834090,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/StandbyCpld  1749 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1750 0.0 1.1 ? S Oct 09 00:01:43 StandbyCpld  1751 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=AgentMonitor --demuxerOpts=275690651150,275669274609,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/AgentMonitor  1753 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1754 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Tunnel --demuxerOpts=275828291876,275803253646,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Tunnel  1755 0.0 1.0 ? S Oct 09 01:45:10 AgentMonitor  1756 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1757 0.0 1.5 ? Sl Oct 09 00:04:56 Aaa  1758 0.0 1.2 ? S Oct 09 00:03:52 Tunnel  1759 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=StpTopology --demuxerOpts=279461268794,279461053568,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/StpTopology  1761 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Acl --demuxerOpts=279657298608,279657060623,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Acl  1762 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1763 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1764 0.0 1.2 ? S Oct 09 00:08:46 StpTopology  1765 0.0 1.3 ? S Oct 09 00:51:40 Acl  1766 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Stp --demuxerOpts=279904248479,279849063698,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Stp  1767 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1768 0.0 1.1 ? S Oct 09 00:13:27 Stp  1769 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=KernelNetworkInfo --demuxerOpts=280070978812,280040277887,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/KernelNetworkInfo  1770 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1772 0.0 1.1 ? S Oct 09 00:04:45 KernelNetworkInfo  1773 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=McastCommon6 --demuxerOpts=283496234961,283496022668,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/McastCommon6  1775 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1776 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=LacpTxAgent --demuxerOpts=283670009272,283654033031,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/LacpTxAgent  1777 0.0 1.2 ? S Oct 09 00:07:38 McastCommon6  1779 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1780 0.0 1.2 ? S Oct 09 00:08:11 LacpTxAgent  1782 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Arp --demuxerOpts=283962169714,283884454900,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Arp  1783 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1785 0.0 1.4 ? S Oct 09 00:12:07 Arp  1787 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=KernelFib --demuxerOpts=284368944078,284152030106,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/KernelFib  1788 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1789 0.0 1.3 ? S Oct 09 00:09:07 KernelFib  1790 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Qos --demuxerOpts=287951299826,287794979486,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Qos  1792 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1793 0.0 1.2 ? S Oct 09 00:07:01 Qos  1795 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Thermostat --demuxerOpts=288248865373,288063169954,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Thermostat  1797 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1799 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=L2Rib --demuxerOpts=288352399604,288352136405,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/L2Rib  1801 0.0 1.1 ? S Oct 09 00:04:49 Thermostat  1803 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1804 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=TopoAgent --demuxerOpts=288556229908,288555994956,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/TopoAgent --scheduled  1806 0.0 1.2 ? S Oct 09 00:03:02 L2Rib  1809 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1810 0.0 1.1 ? S Oct 09 00:04:37 TopoAgent  1811 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=PowerFuse --demuxerOpts=292069625737,292066417655,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/PowerFuse  1813 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1815 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=PowerManager --demuxerOpts=292307240803,292274815881,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/PowerManager  1816 0.0 1.0 ? S Oct 09 00:01:36 PowerFuse  1817 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1819 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Ebra --demuxerOpts=292498169297,292497956396,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Ebra  1822 0.0 1.1 ? S Oct 09 00:01:40 PowerManager  1823 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1826 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=ReloadCauseAgent --demuxerOpts=292791615266,292746210228,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/ReloadCauseAgent  1827 0.0 1.3 ? S Oct 09 00:17:20 Ebra  1831 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1833 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=SharedSecretProfile --demuxerOpts=292974197331,292973964529,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/SharedSecretProfile  1837 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1839 0.0 1.1 ? S Oct 09 00:01:38 ReloadCauseAgent  1840 0.0 1.5 ? S Oct 09 00:09:45 IgmpSnooping  1842 0.0 1.0 ? S Oct 09 00:01:39 SharedSecretProfile  1864 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Sfe --demuxerOpts=297106316632,297106081843,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Sfe  1865 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1881 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=StaticRoute --demuxerOpts=301046223259,301035905330,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/StaticRoute --scheduled  1883 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1886 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=IpRib --demuxerOpts=301197056671,301187894591,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/IpRib --scheduled  1887 0.0 1.3 ? S Oct 09 00:04:44 StaticRoute  1889 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1890 0.0 1.6 ? S Oct 09 00:11:31 IpRib  1892 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=BgpCliHelper --demuxerOpts=301382661484,301331080415,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/BgpCliHelper --scheduled  1893 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1895 0.0 1.9 ? S Oct 09 00:05:52 BgpCliHelper  1896 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=ConnectedRoute --demuxerOpts=301560922350,301533425877,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/ConnectedRoute  1901 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1905 0.0 1.2 ? S Oct 09 00:09:24 ConnectedRoute  1907 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=RouteInput --demuxerOpts=305119965463,304973045214,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/RouteInput  1910 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1911 0.0 2.2 ? Sl Oct 09 00:26:36 Bgp  1913 0.0 1.3 ? S Oct 09 00:05:49 RouteInput  1984 0.0 0.0 ? S Dec 08 00:00:01 [kworker/u8:2]  2276 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=LicenseManager --demuxerOpts=348517528299,348517276781,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/LicenseManager  2279 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2282 0.0 1.1 ? S Oct 09 00:01:46 LicenseManager  2285 0.0 0.0 ? Ssl Oct 09 00:01:38 /usr/sbin/rsyslogd -n  2338 0.0 0.0 ? S Oct 09 00:00:00 /usr/sbin/dnsmasq  2571 0.0 0.0 ? Zs Oct 09 00:00:00 [SuperServer] <defunct>  2613 0.0 0.0 ? S Oct 09 00:00:00 /usr/bin/conlogd  2614 0.0 0.0 ttyS0 Ss+ Oct 09 00:00:00 /sbin/mingetty --noclear /dev/ttyS0  2615 0.0 0.0 tty1 Ss+ Oct 09 00:00:00 /sbin/agetty --noclear tty1 linux  2618 0.0 0.0 ? S Oct 09 00:00:00 sh -c /usr/bin/tail -n 0 --retry --follow=name --pid=2613 /var/log/eos-console | sed 's/\(.\*\)/\1\r/'  2620 0.0 0.0 ? S Oct 09 00:00:57 /usr/bin/tail -n 0 --retry --follow=name --pid=2613 /var/log/eos-console  2621 0.0 0.0 ? S Oct 09 00:00:00 sed s/\(.\*\)/\1\r/  2675 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Ipsec --demuxerOpts=369420756030,369420505813,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Ipsec  2676 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2680 0.0 1.3 ? S Oct 09 00:26:01 Ipsec  2700 0.0 0.4 ? Ss Oct 09 00:00:03 dhclient -e SYSNAME=ar -e SYSDBSOCKNAME=sysdb -e VRFNAME=default -sf /etc/dhcp/dhclient-script.py -pf /var/run/dhclient-default.pid -cf /etc/dhcp/dhclient-default.conf -lf /var/lib/dhclient/dhclient-default.leases -e et1=Ethernet1  2729 0.0 0.1 ? Ssl Oct 09 00:02:36 ntpd -u ntp:ntp -g -p /var/run/ntpd.pid  2734 0.0 0.0 ? Ss Oct 09 00:00:00 fusermount -o rw,nosuid,nodev,allow\_other,auto\_unmount,subtype=MfibFuse -- /BessProc  3363 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/libexec/strongswan/starter --daemon charon  3365 0.0 0.1 ? Ssl Oct 09 00:04:18 /usr/libexec/strongswan/charon --use-syslog  3525 0.0 0.0 ? S 17:48:00 00:00:00 [kworker/0:3]  4104 0.0 0.1 ? Rs 17:48:35 00:00:00 python /bin/FetchLogs dump -n -l /var/log -m eos(?=($|\..\*\.gz))  4107 0.0 0.0 ? Rs 17:48:35 00:00:00 ps -e -o pid,pcpu,pmem,tt,stat,lstart,start,time,cmd --sort=-pcpu -ww  4108 0.0 0.0 ? Ss 17:48:35 00:00:00 tail -n 32  4661 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=CapiApp --demuxerOpts=5957835036638,5957834774817,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/CapiApp --ini /etc/uwsgi/CapiApp.ini  4662 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  4663 0.0 1.3 ? Sl Oct 09 00:01:59 CapiApp -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  4707 0.0 0.0 ? Ss Oct 09 00:00:00 nginx: master process /usr/sbin/nginx -c /etc/nginx/nginx.conf -g pid /var/run/nginx.pid;  4709 0.0 0.1 ? S Oct 09 00:00:07 nginx: worker process   7901 0.0 0.0 ? S Dec 31 00:00:00 /bin/sh /var/awslogs/bin/awslogs-agent-launcher.sh 21080 0.0 0.0 ? S 16:11:12 00:00:00 [kworker/u8:0] 26226 0.0 0.0 ? S 17:21:01 00:00:00 [kworker/0:0] 27190 0.0 0.0 ? S 17:36:00 00:00:00 [kworker/0:1] 31377 0.0 0.0 ? S 17:42:01 00:00:00 [kworker/0:2] . |

## 3.2 Test Case: Test 1 sec cpu utlization

### 3.2.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 3 |
| Name | test\_1\_sec\_cpu\_utlization\_on\_ |
| Description | Verify 1 second CPU % is under specificied value |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show processes |
| Expected output | 10 |
| Actual output | 1.28 |
| Test result | True |
| Fail reason |  |
| Comment | TEST if 1 second CPU utilization is less than specified value on |kg-topology-CloudEosRR1|. GIVEN CPU utilization is less than |10|. WHEN CPU utilization is |1.28|. THEN test case result is |True|. OUTPUT of |show processes| is :   17:48:36 up 90 days, 1:39, 0 users, load average: 1.28, 1.52, 1.45  PID %CPU %MEM TT STAT STARTED TIME CMD  1928 102 3.4 ? Sl Oct 09 92-03:12:18 Sfe  1678 0.4 2.0 ? Sl Oct 09 08:42:28 /usr/bin/TerminAttr -cvaddr=apiserver.arista.io:443 -cvcompression=gzip -cvauth=token-secure,/tmp/token -smashexcludes=ale,flexCounter,hardware,kni,pulse,strata-ingestexclude=/Sysdb/cell/1/agent,/Sysdb/cell/2/agent -cvvrf=default -cvsourceip=11.201.12.101 -taillogs -grpcaddr=0.0.0.0:6042 21844 0.2 0.6 ? SNl Dec 28 00:35:20 python2.7 /var/awslogs/bin/aws logs push --config-file /mnt/flash/awslogs/awslogs.conf --additional-configs-dir /mnt/flash/awslogs/config  1231 0.1 0.9 ? S Oct 09 04:06:34 ProcMgr-worker  1545 0.1 7.1 ? Sl Oct 09 02:57:40 ConfigAgent  1 0.0 0.0 ? Ss Oct 09 00:12:41 /sbin/init  2 0.0 0.0 ? S Oct 09 00:00:00 [kthreadd]  3 0.0 0.0 ? S Oct 09 00:01:08 [ksoftirqd/0]  5 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/0:0H]  7 0.0 0.0 ? S Oct 09 00:02:07 [rcu\_preempt]  8 0.0 0.0 ? S Oct 09 00:00:00 [rcu\_sched]  9 0.0 0.0 ? S Oct 09 00:00:00 [rcu\_bh]  10 0.0 0.0 ? S Oct 09 00:00:00 [migration/0]  11 0.0 0.0 ? S< Oct 09 00:00:00 [lru-add-drain]  12 0.0 0.0 ? S Oct 09 00:00:02 [watchdog/0]  13 0.0 0.0 ? S Oct 09 00:00:00 [cpuhp/0]  14 0.0 0.0 ? S Oct 09 00:00:00 [cpuhp/1]  15 0.0 0.0 ? S Oct 09 00:00:03 [watchdog/1]  16 0.0 0.0 ? S Oct 09 00:00:00 [migration/1]  17 0.0 0.0 ? S Oct 09 00:00:00 [ksoftirqd/1]  18 0.0 0.0 ? S Oct 09 00:00:00 [kworker/1:0]  19 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/1:0H]  20 0.0 0.0 ? S Oct 09 00:00:00 [cpuhp/2]  21 0.0 0.0 ? S Oct 09 00:00:00 [watchdog/2]  22 0.0 0.0 ? S Oct 09 00:00:00 [migration/2]  23 0.0 0.0 ? S Oct 09 00:00:00 [ksoftirqd/2]  24 0.0 0.0 ? S Oct 09 00:00:00 [kworker/2:0]  25 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/2:0H]  26 0.0 0.0 ? S Oct 09 00:00:00 [cpuhp/3]  27 0.0 0.0 ? S Oct 09 00:00:00 [watchdog/3]  28 0.0 0.0 ? S Oct 09 00:00:00 [migration/3]  29 0.0 0.0 ? S Oct 09 00:00:00 [ksoftirqd/3]  30 0.0 0.0 ? S Oct 09 00:00:00 [kworker/3:0]  31 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/3:0H]  32 0.0 0.0 ? S Oct 09 00:00:00 [kdevtmpfs]  33 0.0 0.0 ? S< Oct 09 00:00:00 [netns]  34 0.0 0.0 ? S Oct 09 00:00:00 [khungtaskd]  35 0.0 0.0 ? S Oct 09 00:03:39 [khungtaskd2]  36 0.0 0.0 ? S Oct 09 00:00:00 [oom\_reaper]  37 0.0 0.0 ? S< Oct 09 00:00:00 [writeback]  38 0.0 0.0 ? S Oct 09 00:00:00 [kcompactd0]  39 0.0 0.0 ? S< Oct 09 00:00:00 [crypto]  40 0.0 0.0 ? S< Oct 09 00:00:00 [kintegrityd]  41 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  42 0.0 0.0 ? S< Oct 09 00:00:00 [kblockd]  43 0.0 0.0 ? S< Oct 09 00:00:00 [ata\_sff]  44 0.0 0.0 ? S< Oct 09 00:00:00 [edac-poller]  45 0.0 0.0 ? S Oct 09 00:00:00 [dst\_gc\_task]  46 0.0 0.0 ? S< Oct 09 00:00:00 [watchdogd]  47 0.0 0.0 ? S Oct 09 00:00:00 [arp\_cache-prd]  49 0.0 0.0 ? S Oct 09 00:00:00 [icmp\_unreachabl]  50 0.0 0.0 ? S< Oct 09 00:00:00 [rpciod]  51 0.0 0.0 ? S< Oct 09 00:00:00 [xprtiod]  52 0.0 0.0 ? S Oct 09 00:00:00 [kswapd0]  53 0.0 0.0 ? S< Oct 09 00:00:00 [vmstat]  54 0.0 0.0 ? S< Oct 09 00:00:00 [nfsiod]  63 0.0 0.0 ? S< Oct 09 00:00:00 [pcielwd]  64 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  65 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  66 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  67 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  68 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  69 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  70 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  71 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  72 0.0 0.0 ? S< Oct 09 00:00:00 [nvme]  74 0.0 0.0 ? S Oct 09 00:00:00 [ndisc\_cache-prd]  75 0.0 0.0 ? S< Oct 09 00:00:00 [ipv6\_addrconf]  76 0.0 0.0 ? S< Oct 09 00:00:00 [ecc\_log\_wq]  124 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  125 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  171 0.0 0.0 ? S Oct 09 00:00:01 [jbd2/nvme0n1p1-]  172 0.0 0.0 ? S< Oct 09 00:00:00 [ext4-rsv-conver]  247 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/0:1H]  272 0.0 0.0 ? S< Oct 09 00:00:00 [loop0]  383 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/lib/systemd/systemd-udevd  414 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/sbin/lvmetad -f  506 0.0 0.0 ? S< Oct 09 00:00:00 [ena]  679 0.0 0.0 ? S Oct 09 00:00:00 [kworker/1:1]  733 0.0 0.0 ? Ss Oct 09 00:02:39 /usr/bin/ProcMonitor  749 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/sbin/mcelog --ignorenodev --daemon --foreground  751 0.0 0.0 ? Ss Oct 09 00:03:36 /usr/lib/systemd/systemd-logind  755 0.0 0.1 ? Ss Oct 09 00:07:38 /usr/bin/dbus-daemon --system --address=systemd: --nofork --nopidfile --systemd-activation  778 0.0 0.0 ? Ss Oct 09 00:00:27 /usr/sbin/xinetd -stayalive -pidfile /var/run/xinetd.pid  849 0.0 0.0 ? Ss Oct 09 00:00:43 /usr/sbin/crond -n  868 0.0 0.0 ? S<s Oct 09 00:00:58 /usr/bin/wdogdev -t 60  986 0.0 0.0 ? S Oct 09 00:00:00 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/local.new . && mv /mnt/flash/persist/local.new /mnt/flash/persist/local || logger -t SetupPersist Failed to update /mnt/flash/persist/local --daemon --logfile=/var/log/inotifyrun-local.log --pidfile=/var/run/inotifyrun-local.pid /persist/local  988 0.0 0.0 pts/0 Ss+ Oct 09 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1001 0.0 0.0 ? S Oct 09 00:00:07 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/sys.new . && mv /mnt/flash/persist/sys.new /mnt/flash/persist/sys || logger -t SetupPersist Failed to update /mnt/flash/persist/sys --daemon --logfile=/var/log/inotifyrun-sys.log --pidfile=/var/run/inotifyrun-sys.pid /persist/sys  1005 0.0 0.0 pts/1 Ss+ Oct 09 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1016 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/bin/SaveFossil --dedup --compress --priority Sysdb --maxFiles 1000 /var/tmp/Fossil /mnt/flash/Fossil  1021 0.0 0.0 ? S Oct 09 00:00:00 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/secure.new . && sync && ( mv /mnt/flash/persist/secure /mnt/flash/persist/secure.old; mv /mnt/flash/persist/secure.new /mnt/flash/persist/secure; sync ) && ( scrub --no-signature /mnt/flash/persist/secure.old; rm /mnt/flash/persist/secure.old ) || logger -t SetupPersist Failed to update /mnt/flash/persist/secure --daemon --logfile=/var/log/inotifyrun-secure.log --pidfile=/var/run/inotifyrun-secure.pid /persist/secure  1022 0.0 0.0 pts/2 Ss+ Oct 09 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1053 0.0 0.0 ? Ss Oct 09 00:00:00 /bin/bash /usr/sbin/core\_annotate\_util daemon  1177 0.0 0.1 ? S Oct 09 00:00:00 python /bin/immortalize --daemonize --log=/var/log/agents/ConnMgr --logappend --logpidsuffix --maxcredits=5 --cost=1 --immortalizepidfile=/var/run/ImmortalizeConnMgr.pid /usr/bin/ConnMgr -p /var/run/ConnMgr.pid  1178 0.0 0.1 ? S Oct 09 00:00:00 /usr/bin/ConnMgr -p /var/run/ConnMgr.pid  1211 0.0 0.0 ? S Oct 09 00:00:00 inotifywait -e modify /var/lib/rpm  1214 0.0 0.3 ? S Oct 09 00:00:00 netnsd-watcher -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1216 0.0 0.3 ? S Oct 09 00:00:00 netnsd-server -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1230 0.0 0.9 ? S Oct 09 00:00:00 ProcMgr-master  1403 0.0 0.0 ? S Oct 09 00:29:17 /usr/bin/EosOomAdjust  1411 0.0 0.0 ? S Oct 09 00:00:54 [rbfd\_vrf\_cleanu]  1426 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/sbin/acpid  1463 0.0 0.0 ? S Oct 09 00:06:54 /usr/bin/SlabMonitor  1464 0.0 2.5 ? S Oct 09 01:34:53 Sysdb  1543 0.0 1.2 ? S Oct 09 00:01:57 StageMgr  1547 0.0 1.4 ? S Oct 09 00:04:29 Fru  1548 0.0 1.8 ? S Oct 09 00:01:39 Launcher  1712 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Lldp --demuxerOpts=275482372096,275482095106,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Lldp  1713 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1715 0.0 1.2 ? S Oct 09 00:24:43 Lldp  1717 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=McastCommon --demuxerOpts=275539207066,275531172101,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/McastCommon  1718 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1719 0.0 1.2 ? S Oct 09 00:08:28 McastCommon  1722 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=PortSec --demuxerOpts=275630742842,275586496008,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/PortSec  1723 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1725 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Bfd --demuxerOpts=275697984092,275668336464,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Bfd  1726 0.0 1.1 ? S Oct 09 00:05:22 PortSec  1727 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1729 0.0 1.3 ? S Oct 09 00:10:33 Bfd  1730 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Lag --demuxerOpts=275798425594,275754087410,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Lag  1731 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/1:1H]  1732 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1736 0.0 1.3 ? S Oct 09 00:45:50 Lag  1738 0.0 1.7 ? S Oct 09 01:30:50 SuperServer  1745 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Ira --demuxerOpts=279430842216,279242511590,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Ira  1746 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1747 0.0 1.4 ? S Oct 09 00:09:13 Ira  1748 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=LedPolicy --demuxerOpts=279643633598,279537036113,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/LedPolicy  1749 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1753 0.0 1.1 ? S Oct 09 00:07:40 LedPolicy  1754 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=EventMgr --demuxerOpts=279769194613,279729578605,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/EventMgr  1755 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1756 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=StpTxRx --demuxerOpts=279994695436,279989742052,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/StpTxRx  1757 0.0 1.3 ? S Oct 09 00:19:53 EventMgr  1758 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1759 0.0 1.2 ? S Oct 09 01:08:36 StpTxRx  1760 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=StandbyCpld --demuxerOpts=283497454610,280155363384,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/StandbyCpld  1761 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1763 0.0 1.1 ? S Oct 09 00:01:39 StandbyCpld  1764 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=AgentMonitor --demuxerOpts=283615375164,283615161637,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/AgentMonitor  1765 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1766 0.0 1.0 ? S Oct 09 01:44:22 AgentMonitor  1767 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Tunnel --demuxerOpts=283815717588,283815476170,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Tunnel  1768 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1769 0.0 1.2 ? S Oct 09 00:03:52 Tunnel  1770 0.0 1.6 ? Sl Oct 09 00:05:16 Aaa  1772 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=StpTopology --demuxerOpts=284200272970,284200028375,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/StpTopology  1773 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1774 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Acl --demuxerOpts=284441840621,284425363995,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Acl  1775 0.0 1.2 ? S Oct 09 00:08:36 StpTopology  1776 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1777 0.0 1.3 ? S Oct 09 00:51:32 Acl  1780 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Stp --demuxerOpts=288142997842,287926529966,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Stp  1781 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1782 0.0 1.1 ? S Oct 09 00:13:19 Stp  1783 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=KernelNetworkInfo --demuxerOpts=288348042626,288306991250,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/KernelNetworkInfo  1784 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1785 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=McastCommon6 --demuxerOpts=288476386621,288476154232,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/McastCommon6  1787 0.0 1.1 ? S Oct 09 00:04:39 KernelNetworkInfo  1788 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1791 0.0 1.2 ? S Oct 09 00:08:29 McastCommon6  1792 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=LacpTxAgent --demuxerOpts=288660551570,288660315029,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/LacpTxAgent  1793 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1794 0.0 1.2 ? S Oct 09 00:08:24 LacpTxAgent  1795 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Arp --demuxerOpts=292182880197,292182644203,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Arp  1797 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1798 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=KernelFib --demuxerOpts=292387136971,292386913377,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/KernelFib  1799 0.0 1.4 ? S Oct 09 00:12:22 Arp  1801 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1802 0.0 1.3 ? S Oct 09 00:08:53 KernelFib  1803 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Qos --demuxerOpts=292597182171,292545957912,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Qos  1804 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1805 0.0 1.2 ? S Oct 09 00:06:59 Qos  1808 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Thermostat --demuxerOpts=293031182227,292789955533,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Thermostat  1811 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1813 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=L2Rib --demuxerOpts=296490028279,296489674232,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/L2Rib  1814 0.0 1.1 ? S Oct 09 00:04:47 Thermostat  1816 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1818 0.0 1.2 ? S Oct 09 00:03:01 L2Rib  1820 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=TopoAgent --demuxerOpts=296723998947,296723793865,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/TopoAgent --scheduled  1821 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1823 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=PowerFuse --demuxerOpts=296913137499,296912919995,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/PowerFuse  1824 0.0 1.1 ? S Oct 09 00:04:37 TopoAgent  1826 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1828 0.0 1.0 ? S Oct 09 00:01:39 PowerFuse  1830 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=PowerManager --demuxerOpts=297125141566,297124919716,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/PowerManager  1832 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1833 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Ebra --demuxerOpts=300674037695,300668400686,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Ebra  1835 0.0 1.1 ? S Oct 09 00:01:38 PowerManager  1838 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1842 0.0 1.3 ? S Oct 09 00:18:03 Ebra  1849 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=ReloadCauseAgent --demuxerOpts=301136672884,300906411409,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/ReloadCauseAgent  1857 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1860 0.0 1.1 ? S Oct 09 00:01:39 ReloadCauseAgent  1861 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=SharedSecretProfile --demuxerOpts=301283236428,301260543814,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/SharedSecretProfile  1866 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1867 0.0 1.5 ? S Oct 09 00:09:17 IgmpSnooping  1868 0.0 1.0 ? S Oct 09 00:01:37 SharedSecretProfile  1882 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=StaticRoute --demuxerOpts=305461543441,305461133260,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/StaticRoute --scheduled  1887 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1888 0.0 1.3 ? S Oct 09 00:04:43 StaticRoute  1891 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=IpRib --demuxerOpts=305680427337,305680168169,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/IpRib --scheduled  1896 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1897 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=BgpCliHelper --demuxerOpts=305860331663,305860120352,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/BgpCliHelper --scheduled  1898 0.0 1.6 ? S Oct 09 00:11:34 IpRib  1901 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1904 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=ConnectedRoute --demuxerOpts=309314764439,309314498787,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/ConnectedRoute  1905 0.0 1.9 ? S Oct 09 00:05:55 BgpCliHelper  1907 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1908 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=RouteInput --demuxerOpts=309483970353,309483752885,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/RouteInput  1909 0.0 1.2 ? S Oct 09 00:09:22 ConnectedRoute  1912 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1913 0.0 2.2 ? Sl Oct 09 00:28:48 Bgp  1916 0.0 1.3 ? S Oct 09 00:05:41 RouteInput  1924 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Sfe --demuxerOpts=310187581898,309839049654,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Sfe  1926 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2274 0.0 0.0 ? Ssl Oct 09 00:01:41 /usr/sbin/rsyslogd -n  2325 0.0 0.0 ? S Oct 09 00:00:00 /usr/sbin/dnsmasq  2420 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=LicenseManager --demuxerOpts=357235757262,357235513961,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/LicenseManager  2423 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2425 0.0 1.1 ? S Oct 09 00:01:48 LicenseManager  2617 0.0 0.0 ? S Oct 09 00:00:00 /usr/bin/conlogd  2618 0.0 0.0 tty1 Ss+ Oct 09 00:00:00 /sbin/agetty --noclear tty1 linux  2619 0.0 0.0 ttyS0 Ss+ Oct 09 00:00:00 /sbin/mingetty --noclear /dev/ttyS0  2623 0.0 0.0 ? S Oct 09 00:00:00 sh -c /usr/bin/tail -n 0 --retry --follow=name --pid=2617 /var/log/eos-console | sed 's/\(.\*\)/\1\r/'  2626 0.0 0.0 ? S Oct 09 00:00:56 /usr/bin/tail -n 0 --retry --follow=name --pid=2617 /var/log/eos-console  2627 0.0 0.0 ? S Oct 09 00:00:00 sed s/\(.\*\)/\1\r/  2629 0.0 0.0 ? Zs Oct 09 00:00:00 [SuperServer] <defunct>  2678 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Ipsec --demuxerOpts=378052162806,378051926006,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Ipsec  2679 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2681 0.0 1.3 ? S Oct 09 00:29:01 Ipsec  2684 0.0 0.4 ? Ss Oct 09 00:00:03 dhclient -e SYSNAME=ar -e SYSDBSOCKNAME=sysdb -e VRFNAME=default -sf /etc/dhcp/dhclient-script.py -pf /var/run/dhclient-default.pid -cf /etc/dhcp/dhclient-default.conf -lf /var/lib/dhclient/dhclient-default.leases -e et1=Ethernet1  2713 0.0 0.1 ? Ssl Oct 09 00:02:35 ntpd -u ntp:ntp -g -p /var/run/ntpd.pid  2717 0.0 0.0 ? Ss Oct 09 00:00:00 fusermount -o rw,nosuid,nodev,allow\_other,auto\_unmount,subtype=MfibFuse -- /BessProc  3345 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/libexec/strongswan/starter --daemon charon  3347 0.0 0.1 ? Ssl Oct 09 00:05:52 /usr/libexec/strongswan/charon --use-syslog  3740 0.0 0.0 ? S 17:36:00 00:00:00 [kworker/0:1]  4607 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=CapiApp --demuxerOpts=5742810699600,5742810359951,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/CapiApp --ini /etc/uwsgi/CapiApp.ini  4608 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  4609 0.0 1.3 ? Sl Oct 09 00:01:57 CapiApp -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  4653 0.0 0.0 ? Ss Oct 09 00:00:00 nginx: master process /usr/sbin/nginx -c /etc/nginx/nginx.conf -g pid /var/run/nginx.pid;  4655 0.0 0.1 ? S Oct 09 00:00:08 nginx: worker process   7961 0.0 0.0 ? S 17:42:00 00:00:00 [kworker/0:2] 12348 0.0 0.0 ? S 17:48:01 00:00:00 [kworker/0:3] 12922 0.0 0.0 ? Rs 17:48:35 00:00:00 /usr/sbin/ntpq -n -c rv 8351 srcadr,srcport,refid,stratum,rec,ppoll,reach,delay,offset,jitter 127.0.0.1 12923 0.0 0.0 ? Rs 17:48:35 00:00:00 ps -e -o pid,pcpu,pmem,tt,stat,lstart,start,time,cmd --sort=-pcpu -ww 20558 0.0 0.0 ? S Nov 08 00:00:02 [kworker/u8:1] 21830 0.0 0.0 ? S Dec 28 00:00:00 /bin/sh /var/awslogs/bin/awslogs-agent-launcher.sh 24557 0.0 0.0 ? S 16:11:08 00:00:00 [kworker/u8:2] 28287 0.0 0.0 ? S 17:03:00 00:00:00 [kworker/0:0] . |

### 3.2.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 4 |
| Name | test\_1\_sec\_cpu\_utlization\_on\_ |
| Description | Verify 1 second CPU % is under specificied value |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show processes |
| Expected output | 10 |
| Actual output | 1.2 |
| Test result | True |
| Fail reason |  |
| Comment | TEST if 1 second CPU utilization is less than specified value on |kg-topology-CloudEosRR2|. GIVEN CPU utilization is less than |10|. WHEN CPU utilization is |1.2|. THEN test case result is |True|. OUTPUT of |show processes| is :   17:48:36 up 90 days, 1:39, 0 users, load average: 1.20, 1.45, 1.35  PID %CPU %MEM TT STAT STARTED TIME CMD  1867 102 3.4 ? Sl Oct 09 92-04:35:56 Sfe  1699 0.4 2.0 ? Sl Oct 09 08:44:21 /usr/bin/TerminAttr -cvaddr=apiserver.arista.io:443 -cvcompression=gzip -cvauth=token-secure,/tmp/token -smashexcludes=ale,flexCounter,hardware,kni,pulse,strata-ingestexclude=/Sysdb/cell/1/agent,/Sysdb/cell/2/agent -cvvrf=default -cvsourceip=11.201.13.101 -taillogs -grpcaddr=0.0.0.0:6042  7922 0.2 0.7 ? SNl Dec 31 00:25:53 python2.7 /var/awslogs/bin/aws logs push --config-file /mnt/flash/awslogs/awslogs.conf --additional-configs-dir /mnt/flash/awslogs/config  1220 0.1 0.9 ? S Oct 09 04:13:51 ProcMgr-worker  1569 0.1 7.1 ? Sl Oct 09 02:57:15 ConfigAgent  1 0.0 0.0 ? Ss Oct 09 00:12:42 /sbin/init  2 0.0 0.0 ? S Oct 09 00:00:00 [kthreadd]  3 0.0 0.0 ? S Oct 09 00:01:14 [ksoftirqd/0]  5 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/0:0H]  7 0.0 0.0 ? S Oct 09 00:02:00 [rcu\_preempt]  8 0.0 0.0 ? S Oct 09 00:00:00 [rcu\_sched]  9 0.0 0.0 ? S Oct 09 00:00:00 [rcu\_bh]  10 0.0 0.0 ? S Oct 09 00:00:00 [migration/0]  11 0.0 0.0 ? S< Oct 09 00:00:00 [lru-add-drain]  12 0.0 0.0 ? S Oct 09 00:00:03 [watchdog/0]  13 0.0 0.0 ? S Oct 09 00:00:00 [cpuhp/0]  14 0.0 0.0 ? S Oct 09 00:00:00 [cpuhp/1]  15 0.0 0.0 ? S Oct 09 00:00:08 [watchdog/1]  16 0.0 0.0 ? S Oct 09 00:00:00 [migration/1]  17 0.0 0.0 ? S Oct 09 00:00:00 [ksoftirqd/1]  18 0.0 0.0 ? S Oct 09 00:00:00 [kworker/1:0]  19 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/1:0H]  20 0.0 0.0 ? S Oct 09 00:00:00 [cpuhp/2]  21 0.0 0.0 ? S Oct 09 00:00:00 [watchdog/2]  22 0.0 0.0 ? S Oct 09 00:00:00 [migration/2]  23 0.0 0.0 ? S Oct 09 00:00:00 [ksoftirqd/2]  24 0.0 0.0 ? S Oct 09 00:00:00 [kworker/2:0]  25 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/2:0H]  26 0.0 0.0 ? S Oct 09 00:00:00 [cpuhp/3]  27 0.0 0.0 ? S Oct 09 00:00:00 [watchdog/3]  28 0.0 0.0 ? S Oct 09 00:00:00 [migration/3]  29 0.0 0.0 ? S Oct 09 00:00:00 [ksoftirqd/3]  30 0.0 0.0 ? S Oct 09 00:00:00 [kworker/3:0]  31 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/3:0H]  32 0.0 0.0 ? S Oct 09 00:00:00 [kdevtmpfs]  33 0.0 0.0 ? S< Oct 09 00:00:00 [netns]  34 0.0 0.0 ? S Oct 09 00:00:00 [khungtaskd]  35 0.0 0.0 ? S Oct 09 00:03:38 [khungtaskd2]  36 0.0 0.0 ? S Oct 09 00:00:00 [oom\_reaper]  37 0.0 0.0 ? S< Oct 09 00:00:00 [writeback]  38 0.0 0.0 ? S Oct 09 00:00:00 [kcompactd0]  39 0.0 0.0 ? S< Oct 09 00:00:00 [crypto]  40 0.0 0.0 ? S< Oct 09 00:00:00 [kintegrityd]  41 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  42 0.0 0.0 ? S< Oct 09 00:00:00 [kblockd]  43 0.0 0.0 ? S< Oct 09 00:00:00 [ata\_sff]  44 0.0 0.0 ? S< Oct 09 00:00:00 [edac-poller]  45 0.0 0.0 ? S Oct 09 00:00:00 [dst\_gc\_task]  46 0.0 0.0 ? S< Oct 09 00:00:00 [watchdogd]  47 0.0 0.0 ? S Oct 09 00:00:00 [arp\_cache-prd]  49 0.0 0.0 ? S Oct 09 00:00:00 [icmp\_unreachabl]  50 0.0 0.0 ? S< Oct 09 00:00:00 [rpciod]  51 0.0 0.0 ? S< Oct 09 00:00:00 [xprtiod]  52 0.0 0.0 ? S Oct 09 00:00:00 [kswapd0]  53 0.0 0.0 ? S< Oct 09 00:00:00 [vmstat]  54 0.0 0.0 ? S< Oct 09 00:00:00 [nfsiod]  63 0.0 0.0 ? S< Oct 09 00:00:00 [pcielwd]  64 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  65 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  66 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  67 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  68 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  69 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  70 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  71 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  72 0.0 0.0 ? S< Oct 09 00:00:00 [nvme]  74 0.0 0.0 ? S Oct 09 00:00:00 [ndisc\_cache-prd]  75 0.0 0.0 ? S< Oct 09 00:00:00 [ipv6\_addrconf]  76 0.0 0.0 ? S< Oct 09 00:00:00 [ecc\_log\_wq]  124 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  125 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  171 0.0 0.0 ? S Oct 09 00:00:01 [jbd2/nvme0n1p1-]  172 0.0 0.0 ? S< Oct 09 00:00:00 [ext4-rsv-conver]  247 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/0:1H]  272 0.0 0.0 ? S< Oct 09 00:00:00 [loop0]  385 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/lib/systemd/systemd-udevd  411 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/sbin/lvmetad -f  506 0.0 0.0 ? S< Oct 09 00:00:00 [ena]  704 0.0 0.0 ? S Oct 09 00:00:00 [kworker/1:1]  736 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/sbin/mcelog --ignorenodev --daemon --foreground  750 0.0 0.0 ? Ss Oct 09 00:02:39 /usr/bin/ProcMonitor  754 0.0 0.0 ? Ss Oct 09 00:03:37 /usr/lib/systemd/systemd-logind  755 0.0 0.1 ? Ss Oct 09 00:07:37 /usr/bin/dbus-daemon --system --address=systemd: --nofork --nopidfile --systemd-activation  783 0.0 0.0 ? Ss Oct 09 00:00:23 /usr/sbin/xinetd -stayalive -pidfile /var/run/xinetd.pid  886 0.0 0.0 ? Ss Oct 09 00:00:42 /usr/sbin/crond -n  892 0.0 0.0 ? S<s Oct 09 00:00:58 /usr/bin/wdogdev -t 60  984 0.0 0.0 ? S Oct 09 00:00:00 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/local.new . && mv /mnt/flash/persist/local.new /mnt/flash/persist/local || logger -t SetupPersist Failed to update /mnt/flash/persist/local --daemon --logfile=/var/log/inotifyrun-local.log --pidfile=/var/run/inotifyrun-local.pid /persist/local  987 0.0 0.0 pts/0 Ss+ Oct 09 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  998 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/bin/SaveFossil --dedup --compress --priority Sysdb --maxFiles 1000 /var/tmp/Fossil /mnt/flash/Fossil  1006 0.0 0.0 ? S Oct 09 00:00:07 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/sys.new . && mv /mnt/flash/persist/sys.new /mnt/flash/persist/sys || logger -t SetupPersist Failed to update /mnt/flash/persist/sys --daemon --logfile=/var/log/inotifyrun-sys.log --pidfile=/var/run/inotifyrun-sys.pid /persist/sys  1008 0.0 0.0 pts/1 Ss+ Oct 09 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1020 0.0 0.0 ? S Oct 09 00:00:00 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/secure.new . && sync && ( mv /mnt/flash/persist/secure /mnt/flash/persist/secure.old; mv /mnt/flash/persist/secure.new /mnt/flash/persist/secure; sync ) && ( scrub --no-signature /mnt/flash/persist/secure.old; rm /mnt/flash/persist/secure.old ) || logger -t SetupPersist Failed to update /mnt/flash/persist/secure --daemon --logfile=/var/log/inotifyrun-secure.log --pidfile=/var/run/inotifyrun-secure.pid /persist/secure  1023 0.0 0.0 pts/2 Ss+ Oct 09 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1051 0.0 0.0 ? Ss Oct 09 00:00:00 /bin/bash /usr/sbin/core\_annotate\_util daemon  1166 0.0 0.1 ? S Oct 09 00:00:00 python /bin/immortalize --daemonize --log=/var/log/agents/ConnMgr --logappend --logpidsuffix --maxcredits=5 --cost=1 --immortalizepidfile=/var/run/ImmortalizeConnMgr.pid /usr/bin/ConnMgr -p /var/run/ConnMgr.pid  1167 0.0 0.1 ? S Oct 09 00:00:00 /usr/bin/ConnMgr -p /var/run/ConnMgr.pid  1200 0.0 0.0 ? S Oct 09 00:00:00 inotifywait -e modify /var/lib/rpm  1203 0.0 0.3 ? S Oct 09 00:00:00 netnsd-watcher -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1205 0.0 0.3 ? S Oct 09 00:00:00 netnsd-server -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1219 0.0 0.9 ? S Oct 09 00:00:00 ProcMgr-master  1430 0.0 0.0 ? S Oct 09 00:29:16 /usr/bin/EosOomAdjust  1438 0.0 0.0 ? S Oct 09 00:00:50 [rbfd\_vrf\_cleanu]  1453 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/sbin/acpid  1490 0.0 0.0 ? S Oct 09 00:06:57 /usr/bin/SlabMonitor  1491 0.0 2.5 ? S Oct 09 01:35:12 Sysdb  1568 0.0 1.2 ? S Oct 09 00:01:58 StageMgr  1571 0.0 1.4 ? S Oct 09 00:04:28 Fru  1572 0.0 1.8 ? S Oct 09 00:01:38 Launcher  1688 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Lldp --demuxerOpts=267022308128,267022046453,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Lldp  1690 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=McastCommon --demuxerOpts=267060701420,267060508537,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/McastCommon  1691 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1693 0.0 1.2 ? S Oct 09 00:23:32 Lldp  1694 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=PortSec --demuxerOpts=267110961213,267109664682,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/PortSec  1695 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1696 0.0 1.2 ? S Oct 09 00:08:36 McastCommon  1697 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1698 0.0 1.1 ? S Oct 09 00:05:37 PortSec  1714 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Bfd --demuxerOpts=267287943293,267201183478,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Bfd  1715 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1717 0.0 1.3 ? S Oct 09 00:11:22 Bfd  1718 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/1:1H]  1719 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Lag --demuxerOpts=271081382312,270995105784,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Lag  1722 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1726 0.0 1.3 ? S Oct 09 00:47:26 Lag  1729 0.0 1.7 ? S Oct 09 01:31:06 SuperServer  1734 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Ira --demuxerOpts=274988497901,271357642443,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Ira  1735 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1736 0.0 1.4 ? S Oct 09 00:08:37 Ira  1738 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=LedPolicy --demuxerOpts=275250997605,275154076090,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/LedPolicy  1740 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1741 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=EventMgr --demuxerOpts=275322741078,275313300522,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/EventMgr  1742 0.0 1.1 ? S Oct 09 00:07:48 LedPolicy  1743 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1744 0.0 1.3 ? S Oct 09 00:19:58 EventMgr  1745 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=StpTxRx --demuxerOpts=275444901964,275402374762,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/StpTxRx  1746 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1747 0.0 1.2 ? S Oct 09 01:13:01 StpTxRx  1748 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=StandbyCpld --demuxerOpts=275574357813,275495834090,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/StandbyCpld  1749 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1750 0.0 1.1 ? S Oct 09 00:01:43 StandbyCpld  1751 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=AgentMonitor --demuxerOpts=275690651150,275669274609,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/AgentMonitor  1753 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1754 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Tunnel --demuxerOpts=275828291876,275803253646,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Tunnel  1755 0.0 1.0 ? S Oct 09 01:45:10 AgentMonitor  1756 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1757 0.0 1.5 ? Sl Oct 09 00:04:56 Aaa  1758 0.0 1.2 ? S Oct 09 00:03:52 Tunnel  1759 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=StpTopology --demuxerOpts=279461268794,279461053568,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/StpTopology  1761 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Acl --demuxerOpts=279657298608,279657060623,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Acl  1762 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1763 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1764 0.0 1.2 ? S Oct 09 00:08:46 StpTopology  1765 0.0 1.3 ? S Oct 09 00:51:40 Acl  1766 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Stp --demuxerOpts=279904248479,279849063698,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Stp  1767 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1768 0.0 1.1 ? S Oct 09 00:13:27 Stp  1769 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=KernelNetworkInfo --demuxerOpts=280070978812,280040277887,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/KernelNetworkInfo  1770 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1772 0.0 1.1 ? S Oct 09 00:04:45 KernelNetworkInfo  1773 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=McastCommon6 --demuxerOpts=283496234961,283496022668,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/McastCommon6  1775 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1776 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=LacpTxAgent --demuxerOpts=283670009272,283654033031,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/LacpTxAgent  1777 0.0 1.2 ? S Oct 09 00:07:38 McastCommon6  1779 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1780 0.0 1.2 ? S Oct 09 00:08:11 LacpTxAgent  1782 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Arp --demuxerOpts=283962169714,283884454900,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Arp  1783 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1785 0.0 1.4 ? S Oct 09 00:12:07 Arp  1787 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=KernelFib --demuxerOpts=284368944078,284152030106,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/KernelFib  1788 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1789 0.0 1.3 ? S Oct 09 00:09:07 KernelFib  1790 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Qos --demuxerOpts=287951299826,287794979486,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Qos  1792 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1793 0.0 1.2 ? S Oct 09 00:07:01 Qos  1795 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Thermostat --demuxerOpts=288248865373,288063169954,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Thermostat  1797 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1799 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=L2Rib --demuxerOpts=288352399604,288352136405,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/L2Rib  1801 0.0 1.1 ? S Oct 09 00:04:49 Thermostat  1803 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1804 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=TopoAgent --demuxerOpts=288556229908,288555994956,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/TopoAgent --scheduled  1806 0.0 1.2 ? S Oct 09 00:03:02 L2Rib  1809 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1810 0.0 1.1 ? S Oct 09 00:04:37 TopoAgent  1811 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=PowerFuse --demuxerOpts=292069625737,292066417655,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/PowerFuse  1813 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1815 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=PowerManager --demuxerOpts=292307240803,292274815881,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/PowerManager  1816 0.0 1.0 ? S Oct 09 00:01:36 PowerFuse  1817 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1819 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Ebra --demuxerOpts=292498169297,292497956396,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Ebra  1822 0.0 1.1 ? S Oct 09 00:01:40 PowerManager  1823 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1826 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=ReloadCauseAgent --demuxerOpts=292791615266,292746210228,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/ReloadCauseAgent  1827 0.0 1.3 ? S Oct 09 00:17:20 Ebra  1831 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1833 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=SharedSecretProfile --demuxerOpts=292974197331,292973964529,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/SharedSecretProfile  1837 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1839 0.0 1.1 ? S Oct 09 00:01:38 ReloadCauseAgent  1840 0.0 1.5 ? S Oct 09 00:09:45 IgmpSnooping  1842 0.0 1.0 ? S Oct 09 00:01:39 SharedSecretProfile  1864 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Sfe --demuxerOpts=297106316632,297106081843,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Sfe  1865 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1881 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=StaticRoute --demuxerOpts=301046223259,301035905330,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/StaticRoute --scheduled  1883 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1886 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=IpRib --demuxerOpts=301197056671,301187894591,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/IpRib --scheduled  1887 0.0 1.3 ? S Oct 09 00:04:44 StaticRoute  1889 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1890 0.0 1.6 ? S Oct 09 00:11:31 IpRib  1892 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=BgpCliHelper --demuxerOpts=301382661484,301331080415,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/BgpCliHelper --scheduled  1893 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1895 0.0 1.9 ? S Oct 09 00:05:52 BgpCliHelper  1896 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=ConnectedRoute --demuxerOpts=301560922350,301533425877,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/ConnectedRoute  1901 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1905 0.0 1.2 ? S Oct 09 00:09:24 ConnectedRoute  1907 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=RouteInput --demuxerOpts=305119965463,304973045214,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/RouteInput  1910 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1911 0.0 2.2 ? Sl Oct 09 00:26:36 Bgp  1913 0.0 1.3 ? S Oct 09 00:05:49 RouteInput  1984 0.0 0.0 ? S Dec 08 00:00:01 [kworker/u8:2]  2276 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=LicenseManager --demuxerOpts=348517528299,348517276781,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/LicenseManager  2279 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2282 0.0 1.1 ? S Oct 09 00:01:46 LicenseManager  2285 0.0 0.0 ? Ssl Oct 09 00:01:38 /usr/sbin/rsyslogd -n  2338 0.0 0.0 ? S Oct 09 00:00:00 /usr/sbin/dnsmasq  2571 0.0 0.0 ? Zs Oct 09 00:00:00 [SuperServer] <defunct>  2613 0.0 0.0 ? S Oct 09 00:00:00 /usr/bin/conlogd  2614 0.0 0.0 ttyS0 Ss+ Oct 09 00:00:00 /sbin/mingetty --noclear /dev/ttyS0  2615 0.0 0.0 tty1 Ss+ Oct 09 00:00:00 /sbin/agetty --noclear tty1 linux  2618 0.0 0.0 ? S Oct 09 00:00:00 sh -c /usr/bin/tail -n 0 --retry --follow=name --pid=2613 /var/log/eos-console | sed 's/\(.\*\)/\1\r/'  2620 0.0 0.0 ? S Oct 09 00:00:57 /usr/bin/tail -n 0 --retry --follow=name --pid=2613 /var/log/eos-console  2621 0.0 0.0 ? S Oct 09 00:00:00 sed s/\(.\*\)/\1\r/  2675 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Ipsec --demuxerOpts=369420756030,369420505813,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Ipsec  2676 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2680 0.0 1.3 ? S Oct 09 00:26:01 Ipsec  2700 0.0 0.4 ? Ss Oct 09 00:00:03 dhclient -e SYSNAME=ar -e SYSDBSOCKNAME=sysdb -e VRFNAME=default -sf /etc/dhcp/dhclient-script.py -pf /var/run/dhclient-default.pid -cf /etc/dhcp/dhclient-default.conf -lf /var/lib/dhclient/dhclient-default.leases -e et1=Ethernet1  2729 0.0 0.1 ? Ssl Oct 09 00:02:36 ntpd -u ntp:ntp -g -p /var/run/ntpd.pid  2734 0.0 0.0 ? Ss Oct 09 00:00:00 fusermount -o rw,nosuid,nodev,allow\_other,auto\_unmount,subtype=MfibFuse -- /BessProc  3363 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/libexec/strongswan/starter --daemon charon  3365 0.0 0.1 ? Ssl Oct 09 00:04:18 /usr/libexec/strongswan/charon --use-syslog  3525 0.0 0.0 ? S 17:48:00 00:00:00 [kworker/0:3]  4104 0.0 0.1 ? Rs 17:48:35 00:00:00 python /bin/FetchLogs dump -n -l /var/log -m eos(?=($|\..\*\.gz))  4107 0.0 0.0 ? Rs 17:48:35 00:00:00 ps -e -o pid,pcpu,pmem,tt,stat,lstart,start,time,cmd --sort=-pcpu -ww  4108 0.0 0.0 ? Ss 17:48:35 00:00:00 tail -n 32  4661 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=CapiApp --demuxerOpts=5957835036638,5957834774817,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/CapiApp --ini /etc/uwsgi/CapiApp.ini  4662 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  4663 0.0 1.3 ? Sl Oct 09 00:01:59 CapiApp -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  4707 0.0 0.0 ? Ss Oct 09 00:00:00 nginx: master process /usr/sbin/nginx -c /etc/nginx/nginx.conf -g pid /var/run/nginx.pid;  4709 0.0 0.1 ? S Oct 09 00:00:07 nginx: worker process   7901 0.0 0.0 ? S Dec 31 00:00:00 /bin/sh /var/awslogs/bin/awslogs-agent-launcher.sh 21080 0.0 0.0 ? S 16:11:12 00:00:00 [kworker/u8:0] 26226 0.0 0.0 ? S 17:21:01 00:00:00 [kworker/0:0] 27190 0.0 0.0 ? S 17:36:00 00:00:00 [kworker/0:1] 31377 0.0 0.0 ? S 17:42:01 00:00:00 [kworker/0:2] . |

## 3.3 Test Case: Test 5 min cpu utlization

### 3.3.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 5 |
| Name | test\_5\_min\_cpu\_utlization\_on\_ |
| Description | Verify 5 minute CPU % is under specificied value |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show processes |
| Expected output | 10 |
| Actual output | 1.45 |
| Test result | True |
| Fail reason |  |
| Comment | TEST if 5 minute CPU utilization is less than specified value on |kg-topology-CloudEosRR1|. GIVEN CPU utilization is less than |10|. WHEN CPU utilization is |1.45|. THEN test case result is |True|. OUTPUT of |show processes| is :   17:48:36 up 90 days, 1:39, 0 users, load average: 1.28, 1.52, 1.45  PID %CPU %MEM TT STAT STARTED TIME CMD  1928 102 3.4 ? Sl Oct 09 92-03:12:19 Sfe  1678 0.4 2.0 ? Sl Oct 09 08:42:28 /usr/bin/TerminAttr -cvaddr=apiserver.arista.io:443 -cvcompression=gzip -cvauth=token-secure,/tmp/token -smashexcludes=ale,flexCounter,hardware,kni,pulse,strata-ingestexclude=/Sysdb/cell/1/agent,/Sysdb/cell/2/agent -cvvrf=default -cvsourceip=11.201.12.101 -taillogs -grpcaddr=0.0.0.0:6042 21844 0.2 0.6 ? SNl Dec 28 00:35:20 python2.7 /var/awslogs/bin/aws logs push --config-file /mnt/flash/awslogs/awslogs.conf --additional-configs-dir /mnt/flash/awslogs/config  1231 0.1 0.9 ? S Oct 09 04:06:34 ProcMgr-worker  1545 0.1 7.1 ? Sl Oct 09 02:57:40 ConfigAgent  1 0.0 0.0 ? Ss Oct 09 00:12:41 /sbin/init  2 0.0 0.0 ? S Oct 09 00:00:00 [kthreadd]  3 0.0 0.0 ? S Oct 09 00:01:08 [ksoftirqd/0]  5 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/0:0H]  7 0.0 0.0 ? S Oct 09 00:02:07 [rcu\_preempt]  8 0.0 0.0 ? S Oct 09 00:00:00 [rcu\_sched]  9 0.0 0.0 ? S Oct 09 00:00:00 [rcu\_bh]  10 0.0 0.0 ? S Oct 09 00:00:00 [migration/0]  11 0.0 0.0 ? S< Oct 09 00:00:00 [lru-add-drain]  12 0.0 0.0 ? S Oct 09 00:00:02 [watchdog/0]  13 0.0 0.0 ? S Oct 09 00:00:00 [cpuhp/0]  14 0.0 0.0 ? S Oct 09 00:00:00 [cpuhp/1]  15 0.0 0.0 ? S Oct 09 00:00:03 [watchdog/1]  16 0.0 0.0 ? S Oct 09 00:00:00 [migration/1]  17 0.0 0.0 ? S Oct 09 00:00:00 [ksoftirqd/1]  18 0.0 0.0 ? S Oct 09 00:00:00 [kworker/1:0]  19 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/1:0H]  20 0.0 0.0 ? S Oct 09 00:00:00 [cpuhp/2]  21 0.0 0.0 ? S Oct 09 00:00:00 [watchdog/2]  22 0.0 0.0 ? S Oct 09 00:00:00 [migration/2]  23 0.0 0.0 ? S Oct 09 00:00:00 [ksoftirqd/2]  24 0.0 0.0 ? S Oct 09 00:00:00 [kworker/2:0]  25 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/2:0H]  26 0.0 0.0 ? S Oct 09 00:00:00 [cpuhp/3]  27 0.0 0.0 ? S Oct 09 00:00:00 [watchdog/3]  28 0.0 0.0 ? S Oct 09 00:00:00 [migration/3]  29 0.0 0.0 ? S Oct 09 00:00:00 [ksoftirqd/3]  30 0.0 0.0 ? S Oct 09 00:00:00 [kworker/3:0]  31 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/3:0H]  32 0.0 0.0 ? S Oct 09 00:00:00 [kdevtmpfs]  33 0.0 0.0 ? S< Oct 09 00:00:00 [netns]  34 0.0 0.0 ? S Oct 09 00:00:00 [khungtaskd]  35 0.0 0.0 ? S Oct 09 00:03:39 [khungtaskd2]  36 0.0 0.0 ? S Oct 09 00:00:00 [oom\_reaper]  37 0.0 0.0 ? S< Oct 09 00:00:00 [writeback]  38 0.0 0.0 ? S Oct 09 00:00:00 [kcompactd0]  39 0.0 0.0 ? S< Oct 09 00:00:00 [crypto]  40 0.0 0.0 ? S< Oct 09 00:00:00 [kintegrityd]  41 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  42 0.0 0.0 ? S< Oct 09 00:00:00 [kblockd]  43 0.0 0.0 ? S< Oct 09 00:00:00 [ata\_sff]  44 0.0 0.0 ? S< Oct 09 00:00:00 [edac-poller]  45 0.0 0.0 ? S Oct 09 00:00:00 [dst\_gc\_task]  46 0.0 0.0 ? S< Oct 09 00:00:00 [watchdogd]  47 0.0 0.0 ? S Oct 09 00:00:00 [arp\_cache-prd]  49 0.0 0.0 ? S Oct 09 00:00:00 [icmp\_unreachabl]  50 0.0 0.0 ? S< Oct 09 00:00:00 [rpciod]  51 0.0 0.0 ? S< Oct 09 00:00:00 [xprtiod]  52 0.0 0.0 ? S Oct 09 00:00:00 [kswapd0]  53 0.0 0.0 ? S< Oct 09 00:00:00 [vmstat]  54 0.0 0.0 ? S< Oct 09 00:00:00 [nfsiod]  63 0.0 0.0 ? S< Oct 09 00:00:00 [pcielwd]  64 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  65 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  66 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  67 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  68 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  69 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  70 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  71 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  72 0.0 0.0 ? S< Oct 09 00:00:00 [nvme]  74 0.0 0.0 ? S Oct 09 00:00:00 [ndisc\_cache-prd]  75 0.0 0.0 ? S< Oct 09 00:00:00 [ipv6\_addrconf]  76 0.0 0.0 ? S< Oct 09 00:00:00 [ecc\_log\_wq]  124 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  125 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  171 0.0 0.0 ? S Oct 09 00:00:01 [jbd2/nvme0n1p1-]  172 0.0 0.0 ? S< Oct 09 00:00:00 [ext4-rsv-conver]  247 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/0:1H]  272 0.0 0.0 ? S< Oct 09 00:00:00 [loop0]  383 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/lib/systemd/systemd-udevd  414 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/sbin/lvmetad -f  506 0.0 0.0 ? S< Oct 09 00:00:00 [ena]  679 0.0 0.0 ? S Oct 09 00:00:00 [kworker/1:1]  733 0.0 0.0 ? Ss Oct 09 00:02:39 /usr/bin/ProcMonitor  749 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/sbin/mcelog --ignorenodev --daemon --foreground  751 0.0 0.0 ? Ss Oct 09 00:03:36 /usr/lib/systemd/systemd-logind  755 0.0 0.1 ? Ss Oct 09 00:07:38 /usr/bin/dbus-daemon --system --address=systemd: --nofork --nopidfile --systemd-activation  778 0.0 0.0 ? Ss Oct 09 00:00:27 /usr/sbin/xinetd -stayalive -pidfile /var/run/xinetd.pid  849 0.0 0.0 ? Ss Oct 09 00:00:43 /usr/sbin/crond -n  868 0.0 0.0 ? S<s Oct 09 00:00:58 /usr/bin/wdogdev -t 60  986 0.0 0.0 ? S Oct 09 00:00:00 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/local.new . && mv /mnt/flash/persist/local.new /mnt/flash/persist/local || logger -t SetupPersist Failed to update /mnt/flash/persist/local --daemon --logfile=/var/log/inotifyrun-local.log --pidfile=/var/run/inotifyrun-local.pid /persist/local  988 0.0 0.0 pts/0 Ss+ Oct 09 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1001 0.0 0.0 ? S Oct 09 00:00:07 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/sys.new . && mv /mnt/flash/persist/sys.new /mnt/flash/persist/sys || logger -t SetupPersist Failed to update /mnt/flash/persist/sys --daemon --logfile=/var/log/inotifyrun-sys.log --pidfile=/var/run/inotifyrun-sys.pid /persist/sys  1005 0.0 0.0 pts/1 Ss+ Oct 09 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1016 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/bin/SaveFossil --dedup --compress --priority Sysdb --maxFiles 1000 /var/tmp/Fossil /mnt/flash/Fossil  1021 0.0 0.0 ? S Oct 09 00:00:00 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/secure.new . && sync && ( mv /mnt/flash/persist/secure /mnt/flash/persist/secure.old; mv /mnt/flash/persist/secure.new /mnt/flash/persist/secure; sync ) && ( scrub --no-signature /mnt/flash/persist/secure.old; rm /mnt/flash/persist/secure.old ) || logger -t SetupPersist Failed to update /mnt/flash/persist/secure --daemon --logfile=/var/log/inotifyrun-secure.log --pidfile=/var/run/inotifyrun-secure.pid /persist/secure  1022 0.0 0.0 pts/2 Ss+ Oct 09 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1053 0.0 0.0 ? Ss Oct 09 00:00:00 /bin/bash /usr/sbin/core\_annotate\_util daemon  1177 0.0 0.1 ? S Oct 09 00:00:00 python /bin/immortalize --daemonize --log=/var/log/agents/ConnMgr --logappend --logpidsuffix --maxcredits=5 --cost=1 --immortalizepidfile=/var/run/ImmortalizeConnMgr.pid /usr/bin/ConnMgr -p /var/run/ConnMgr.pid  1178 0.0 0.1 ? S Oct 09 00:00:00 /usr/bin/ConnMgr -p /var/run/ConnMgr.pid  1211 0.0 0.0 ? S Oct 09 00:00:00 inotifywait -e modify /var/lib/rpm  1214 0.0 0.3 ? S Oct 09 00:00:00 netnsd-watcher -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1216 0.0 0.3 ? S Oct 09 00:00:00 netnsd-server -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1230 0.0 0.9 ? S Oct 09 00:00:00 ProcMgr-master  1403 0.0 0.0 ? S Oct 09 00:29:17 /usr/bin/EosOomAdjust  1411 0.0 0.0 ? S Oct 09 00:00:54 [rbfd\_vrf\_cleanu]  1426 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/sbin/acpid  1463 0.0 0.0 ? S Oct 09 00:06:54 /usr/bin/SlabMonitor  1464 0.0 2.5 ? S Oct 09 01:34:53 Sysdb  1543 0.0 1.2 ? S Oct 09 00:01:57 StageMgr  1547 0.0 1.4 ? S Oct 09 00:04:29 Fru  1548 0.0 1.8 ? S Oct 09 00:01:39 Launcher  1712 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Lldp --demuxerOpts=275482372096,275482095106,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Lldp  1713 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1715 0.0 1.2 ? S Oct 09 00:24:43 Lldp  1717 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=McastCommon --demuxerOpts=275539207066,275531172101,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/McastCommon  1718 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1719 0.0 1.2 ? S Oct 09 00:08:28 McastCommon  1722 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=PortSec --demuxerOpts=275630742842,275586496008,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/PortSec  1723 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1725 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Bfd --demuxerOpts=275697984092,275668336464,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Bfd  1726 0.0 1.1 ? S Oct 09 00:05:22 PortSec  1727 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1729 0.0 1.3 ? S Oct 09 00:10:33 Bfd  1730 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Lag --demuxerOpts=275798425594,275754087410,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Lag  1731 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/1:1H]  1732 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1736 0.0 1.3 ? S Oct 09 00:45:50 Lag  1738 0.0 1.7 ? S Oct 09 01:30:50 SuperServer  1745 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Ira --demuxerOpts=279430842216,279242511590,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Ira  1746 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1747 0.0 1.4 ? S Oct 09 00:09:13 Ira  1748 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=LedPolicy --demuxerOpts=279643633598,279537036113,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/LedPolicy  1749 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1753 0.0 1.1 ? S Oct 09 00:07:40 LedPolicy  1754 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=EventMgr --demuxerOpts=279769194613,279729578605,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/EventMgr  1755 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1756 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=StpTxRx --demuxerOpts=279994695436,279989742052,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/StpTxRx  1757 0.0 1.3 ? S Oct 09 00:19:53 EventMgr  1758 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1759 0.0 1.2 ? S Oct 09 01:08:36 StpTxRx  1760 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=StandbyCpld --demuxerOpts=283497454610,280155363384,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/StandbyCpld  1761 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1763 0.0 1.1 ? S Oct 09 00:01:39 StandbyCpld  1764 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=AgentMonitor --demuxerOpts=283615375164,283615161637,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/AgentMonitor  1765 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1766 0.0 1.0 ? S Oct 09 01:44:22 AgentMonitor  1767 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Tunnel --demuxerOpts=283815717588,283815476170,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Tunnel  1768 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1769 0.0 1.2 ? S Oct 09 00:03:52 Tunnel  1770 0.0 1.6 ? Sl Oct 09 00:05:16 Aaa  1772 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=StpTopology --demuxerOpts=284200272970,284200028375,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/StpTopology  1773 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1774 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Acl --demuxerOpts=284441840621,284425363995,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Acl  1775 0.0 1.2 ? S Oct 09 00:08:36 StpTopology  1776 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1777 0.0 1.3 ? S Oct 09 00:51:32 Acl  1780 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Stp --demuxerOpts=288142997842,287926529966,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Stp  1781 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1782 0.0 1.1 ? S Oct 09 00:13:19 Stp  1783 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=KernelNetworkInfo --demuxerOpts=288348042626,288306991250,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/KernelNetworkInfo  1784 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1785 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=McastCommon6 --demuxerOpts=288476386621,288476154232,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/McastCommon6  1787 0.0 1.1 ? S Oct 09 00:04:39 KernelNetworkInfo  1788 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1791 0.0 1.2 ? S Oct 09 00:08:29 McastCommon6  1792 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=LacpTxAgent --demuxerOpts=288660551570,288660315029,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/LacpTxAgent  1793 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1794 0.0 1.2 ? S Oct 09 00:08:24 LacpTxAgent  1795 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Arp --demuxerOpts=292182880197,292182644203,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Arp  1797 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1798 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=KernelFib --demuxerOpts=292387136971,292386913377,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/KernelFib  1799 0.0 1.4 ? S Oct 09 00:12:22 Arp  1801 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1802 0.0 1.3 ? S Oct 09 00:08:53 KernelFib  1803 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Qos --demuxerOpts=292597182171,292545957912,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Qos  1804 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1805 0.0 1.2 ? S Oct 09 00:06:59 Qos  1808 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Thermostat --demuxerOpts=293031182227,292789955533,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Thermostat  1811 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1813 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=L2Rib --demuxerOpts=296490028279,296489674232,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/L2Rib  1814 0.0 1.1 ? S Oct 09 00:04:47 Thermostat  1816 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1818 0.0 1.2 ? S Oct 09 00:03:01 L2Rib  1820 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=TopoAgent --demuxerOpts=296723998947,296723793865,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/TopoAgent --scheduled  1821 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1823 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=PowerFuse --demuxerOpts=296913137499,296912919995,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/PowerFuse  1824 0.0 1.1 ? S Oct 09 00:04:37 TopoAgent  1826 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1828 0.0 1.0 ? S Oct 09 00:01:39 PowerFuse  1830 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=PowerManager --demuxerOpts=297125141566,297124919716,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/PowerManager  1832 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1833 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Ebra --demuxerOpts=300674037695,300668400686,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Ebra  1835 0.0 1.1 ? S Oct 09 00:01:38 PowerManager  1838 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1842 0.0 1.3 ? S Oct 09 00:18:03 Ebra  1849 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=ReloadCauseAgent --demuxerOpts=301136672884,300906411409,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/ReloadCauseAgent  1857 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1860 0.0 1.1 ? S Oct 09 00:01:39 ReloadCauseAgent  1861 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=SharedSecretProfile --demuxerOpts=301283236428,301260543814,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/SharedSecretProfile  1866 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1867 0.0 1.5 ? S Oct 09 00:09:17 IgmpSnooping  1868 0.0 1.0 ? S Oct 09 00:01:37 SharedSecretProfile  1882 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=StaticRoute --demuxerOpts=305461543441,305461133260,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/StaticRoute --scheduled  1887 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1888 0.0 1.3 ? S Oct 09 00:04:43 StaticRoute  1891 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=IpRib --demuxerOpts=305680427337,305680168169,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/IpRib --scheduled  1896 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1897 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=BgpCliHelper --demuxerOpts=305860331663,305860120352,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/BgpCliHelper --scheduled  1898 0.0 1.6 ? S Oct 09 00:11:34 IpRib  1901 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1904 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=ConnectedRoute --demuxerOpts=309314764439,309314498787,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/ConnectedRoute  1905 0.0 1.9 ? S Oct 09 00:05:55 BgpCliHelper  1907 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1908 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=RouteInput --demuxerOpts=309483970353,309483752885,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/RouteInput  1909 0.0 1.2 ? S Oct 09 00:09:22 ConnectedRoute  1912 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1913 0.0 2.2 ? Sl Oct 09 00:28:48 Bgp  1916 0.0 1.3 ? S Oct 09 00:05:41 RouteInput  1924 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Sfe --demuxerOpts=310187581898,309839049654,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Sfe  1926 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2274 0.0 0.0 ? Ssl Oct 09 00:01:41 /usr/sbin/rsyslogd -n  2325 0.0 0.0 ? S Oct 09 00:00:00 /usr/sbin/dnsmasq  2420 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=LicenseManager --demuxerOpts=357235757262,357235513961,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/LicenseManager  2423 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2425 0.0 1.1 ? S Oct 09 00:01:48 LicenseManager  2617 0.0 0.0 ? S Oct 09 00:00:00 /usr/bin/conlogd  2618 0.0 0.0 tty1 Ss+ Oct 09 00:00:00 /sbin/agetty --noclear tty1 linux  2619 0.0 0.0 ttyS0 Ss+ Oct 09 00:00:00 /sbin/mingetty --noclear /dev/ttyS0  2623 0.0 0.0 ? S Oct 09 00:00:00 sh -c /usr/bin/tail -n 0 --retry --follow=name --pid=2617 /var/log/eos-console | sed 's/\(.\*\)/\1\r/'  2626 0.0 0.0 ? S Oct 09 00:00:56 /usr/bin/tail -n 0 --retry --follow=name --pid=2617 /var/log/eos-console  2627 0.0 0.0 ? S Oct 09 00:00:00 sed s/\(.\*\)/\1\r/  2629 0.0 0.0 ? Zs Oct 09 00:00:00 [SuperServer] <defunct>  2678 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Ipsec --demuxerOpts=378052162806,378051926006,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Ipsec  2679 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2681 0.0 1.3 ? S Oct 09 00:29:01 Ipsec  2684 0.0 0.4 ? Ss Oct 09 00:00:03 dhclient -e SYSNAME=ar -e SYSDBSOCKNAME=sysdb -e VRFNAME=default -sf /etc/dhcp/dhclient-script.py -pf /var/run/dhclient-default.pid -cf /etc/dhcp/dhclient-default.conf -lf /var/lib/dhclient/dhclient-default.leases -e et1=Ethernet1  2713 0.0 0.1 ? Ssl Oct 09 00:02:35 ntpd -u ntp:ntp -g -p /var/run/ntpd.pid  2717 0.0 0.0 ? Ss Oct 09 00:00:00 fusermount -o rw,nosuid,nodev,allow\_other,auto\_unmount,subtype=MfibFuse -- /BessProc  3345 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/libexec/strongswan/starter --daemon charon  3347 0.0 0.1 ? Ssl Oct 09 00:05:52 /usr/libexec/strongswan/charon --use-syslog  3740 0.0 0.0 ? S 17:36:00 00:00:00 [kworker/0:1]  4607 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=CapiApp --demuxerOpts=5742810699600,5742810359951,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/CapiApp --ini /etc/uwsgi/CapiApp.ini  4608 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  4609 0.0 1.3 ? Sl Oct 09 00:01:57 CapiApp -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  4653 0.0 0.0 ? Ss Oct 09 00:00:00 nginx: master process /usr/sbin/nginx -c /etc/nginx/nginx.conf -g pid /var/run/nginx.pid;  4655 0.0 0.1 ? S Oct 09 00:00:08 nginx: worker process   7961 0.0 0.0 ? S 17:42:00 00:00:00 [kworker/0:2] 12348 0.0 0.0 ? S 17:48:01 00:00:00 [kworker/0:3] 12926 0.0 0.1 ? Ss 17:48:35 00:00:00 python /bin/FetchLogs dump -n -l /var/log -m eos(?=($|\..\*\.gz)) 12927 0.0 0.0 ? Ss 17:48:35 00:00:00 tail -n 32 12930 0.0 0.0 ? Rs 17:48:35 00:00:00 ps -e -o pid,pcpu,pmem,tt,stat,lstart,start,time,cmd --sort=-pcpu -ww 20558 0.0 0.0 ? S Nov 08 00:00:02 [kworker/u8:1] 21830 0.0 0.0 ? S Dec 28 00:00:00 /bin/sh /var/awslogs/bin/awslogs-agent-launcher.sh 24557 0.0 0.0 ? S 16:11:08 00:00:00 [kworker/u8:2] 28287 0.0 0.0 ? S 17:03:00 00:00:00 [kworker/0:0] . |

### 3.3.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 6 |
| Name | test\_5\_min\_cpu\_utlization\_on\_ |
| Description | Verify 5 minute CPU % is under specificied value |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show processes |
| Expected output | 10 |
| Actual output | 1.35 |
| Test result | True |
| Fail reason |  |
| Comment | TEST if 5 minute CPU utilization is less than specified value on |kg-topology-CloudEosRR2|. GIVEN CPU utilization is less than |10|. WHEN CPU utilization is |1.35|. THEN test case result is |True|. OUTPUT of |show processes| is :   17:48:36 up 90 days, 1:39, 0 users, load average: 1.20, 1.45, 1.35  PID %CPU %MEM TT STAT STARTED TIME CMD  1867 102 3.4 ? Sl Oct 09 92-04:35:56 Sfe  1699 0.4 2.0 ? Sl Oct 09 08:44:21 /usr/bin/TerminAttr -cvaddr=apiserver.arista.io:443 -cvcompression=gzip -cvauth=token-secure,/tmp/token -smashexcludes=ale,flexCounter,hardware,kni,pulse,strata-ingestexclude=/Sysdb/cell/1/agent,/Sysdb/cell/2/agent -cvvrf=default -cvsourceip=11.201.13.101 -taillogs -grpcaddr=0.0.0.0:6042  7922 0.2 0.7 ? SNl Dec 31 00:25:53 python2.7 /var/awslogs/bin/aws logs push --config-file /mnt/flash/awslogs/awslogs.conf --additional-configs-dir /mnt/flash/awslogs/config  1220 0.1 0.9 ? S Oct 09 04:13:51 ProcMgr-worker  1569 0.1 7.1 ? Sl Oct 09 02:57:15 ConfigAgent  1 0.0 0.0 ? Ss Oct 09 00:12:42 /sbin/init  2 0.0 0.0 ? S Oct 09 00:00:00 [kthreadd]  3 0.0 0.0 ? S Oct 09 00:01:14 [ksoftirqd/0]  5 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/0:0H]  7 0.0 0.0 ? S Oct 09 00:02:00 [rcu\_preempt]  8 0.0 0.0 ? S Oct 09 00:00:00 [rcu\_sched]  9 0.0 0.0 ? S Oct 09 00:00:00 [rcu\_bh]  10 0.0 0.0 ? S Oct 09 00:00:00 [migration/0]  11 0.0 0.0 ? S< Oct 09 00:00:00 [lru-add-drain]  12 0.0 0.0 ? S Oct 09 00:00:03 [watchdog/0]  13 0.0 0.0 ? S Oct 09 00:00:00 [cpuhp/0]  14 0.0 0.0 ? S Oct 09 00:00:00 [cpuhp/1]  15 0.0 0.0 ? S Oct 09 00:00:08 [watchdog/1]  16 0.0 0.0 ? S Oct 09 00:00:00 [migration/1]  17 0.0 0.0 ? S Oct 09 00:00:00 [ksoftirqd/1]  18 0.0 0.0 ? S Oct 09 00:00:00 [kworker/1:0]  19 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/1:0H]  20 0.0 0.0 ? S Oct 09 00:00:00 [cpuhp/2]  21 0.0 0.0 ? S Oct 09 00:00:00 [watchdog/2]  22 0.0 0.0 ? S Oct 09 00:00:00 [migration/2]  23 0.0 0.0 ? S Oct 09 00:00:00 [ksoftirqd/2]  24 0.0 0.0 ? S Oct 09 00:00:00 [kworker/2:0]  25 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/2:0H]  26 0.0 0.0 ? S Oct 09 00:00:00 [cpuhp/3]  27 0.0 0.0 ? S Oct 09 00:00:00 [watchdog/3]  28 0.0 0.0 ? S Oct 09 00:00:00 [migration/3]  29 0.0 0.0 ? S Oct 09 00:00:00 [ksoftirqd/3]  30 0.0 0.0 ? S Oct 09 00:00:00 [kworker/3:0]  31 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/3:0H]  32 0.0 0.0 ? S Oct 09 00:00:00 [kdevtmpfs]  33 0.0 0.0 ? S< Oct 09 00:00:00 [netns]  34 0.0 0.0 ? S Oct 09 00:00:00 [khungtaskd]  35 0.0 0.0 ? S Oct 09 00:03:38 [khungtaskd2]  36 0.0 0.0 ? S Oct 09 00:00:00 [oom\_reaper]  37 0.0 0.0 ? S< Oct 09 00:00:00 [writeback]  38 0.0 0.0 ? S Oct 09 00:00:00 [kcompactd0]  39 0.0 0.0 ? S< Oct 09 00:00:00 [crypto]  40 0.0 0.0 ? S< Oct 09 00:00:00 [kintegrityd]  41 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  42 0.0 0.0 ? S< Oct 09 00:00:00 [kblockd]  43 0.0 0.0 ? S< Oct 09 00:00:00 [ata\_sff]  44 0.0 0.0 ? S< Oct 09 00:00:00 [edac-poller]  45 0.0 0.0 ? S Oct 09 00:00:00 [dst\_gc\_task]  46 0.0 0.0 ? S< Oct 09 00:00:00 [watchdogd]  47 0.0 0.0 ? S Oct 09 00:00:00 [arp\_cache-prd]  49 0.0 0.0 ? S Oct 09 00:00:00 [icmp\_unreachabl]  50 0.0 0.0 ? S< Oct 09 00:00:00 [rpciod]  51 0.0 0.0 ? S< Oct 09 00:00:00 [xprtiod]  52 0.0 0.0 ? S Oct 09 00:00:00 [kswapd0]  53 0.0 0.0 ? S< Oct 09 00:00:00 [vmstat]  54 0.0 0.0 ? S< Oct 09 00:00:00 [nfsiod]  63 0.0 0.0 ? S< Oct 09 00:00:00 [pcielwd]  64 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  65 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  66 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  67 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  68 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  69 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  70 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  71 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  72 0.0 0.0 ? S< Oct 09 00:00:00 [nvme]  74 0.0 0.0 ? S Oct 09 00:00:00 [ndisc\_cache-prd]  75 0.0 0.0 ? S< Oct 09 00:00:00 [ipv6\_addrconf]  76 0.0 0.0 ? S< Oct 09 00:00:00 [ecc\_log\_wq]  124 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  125 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  171 0.0 0.0 ? S Oct 09 00:00:01 [jbd2/nvme0n1p1-]  172 0.0 0.0 ? S< Oct 09 00:00:00 [ext4-rsv-conver]  247 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/0:1H]  272 0.0 0.0 ? S< Oct 09 00:00:00 [loop0]  385 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/lib/systemd/systemd-udevd  411 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/sbin/lvmetad -f  506 0.0 0.0 ? S< Oct 09 00:00:00 [ena]  704 0.0 0.0 ? S Oct 09 00:00:00 [kworker/1:1]  736 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/sbin/mcelog --ignorenodev --daemon --foreground  750 0.0 0.0 ? Ss Oct 09 00:02:39 /usr/bin/ProcMonitor  754 0.0 0.0 ? Ss Oct 09 00:03:37 /usr/lib/systemd/systemd-logind  755 0.0 0.1 ? Ss Oct 09 00:07:37 /usr/bin/dbus-daemon --system --address=systemd: --nofork --nopidfile --systemd-activation  783 0.0 0.0 ? Ss Oct 09 00:00:23 /usr/sbin/xinetd -stayalive -pidfile /var/run/xinetd.pid  886 0.0 0.0 ? Ss Oct 09 00:00:42 /usr/sbin/crond -n  892 0.0 0.0 ? S<s Oct 09 00:00:58 /usr/bin/wdogdev -t 60  984 0.0 0.0 ? S Oct 09 00:00:00 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/local.new . && mv /mnt/flash/persist/local.new /mnt/flash/persist/local || logger -t SetupPersist Failed to update /mnt/flash/persist/local --daemon --logfile=/var/log/inotifyrun-local.log --pidfile=/var/run/inotifyrun-local.pid /persist/local  987 0.0 0.0 pts/0 Ss+ Oct 09 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  998 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/bin/SaveFossil --dedup --compress --priority Sysdb --maxFiles 1000 /var/tmp/Fossil /mnt/flash/Fossil  1006 0.0 0.0 ? S Oct 09 00:00:07 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/sys.new . && mv /mnt/flash/persist/sys.new /mnt/flash/persist/sys || logger -t SetupPersist Failed to update /mnt/flash/persist/sys --daemon --logfile=/var/log/inotifyrun-sys.log --pidfile=/var/run/inotifyrun-sys.pid /persist/sys  1008 0.0 0.0 pts/1 Ss+ Oct 09 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1020 0.0 0.0 ? S Oct 09 00:00:00 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/secure.new . && sync && ( mv /mnt/flash/persist/secure /mnt/flash/persist/secure.old; mv /mnt/flash/persist/secure.new /mnt/flash/persist/secure; sync ) && ( scrub --no-signature /mnt/flash/persist/secure.old; rm /mnt/flash/persist/secure.old ) || logger -t SetupPersist Failed to update /mnt/flash/persist/secure --daemon --logfile=/var/log/inotifyrun-secure.log --pidfile=/var/run/inotifyrun-secure.pid /persist/secure  1023 0.0 0.0 pts/2 Ss+ Oct 09 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1051 0.0 0.0 ? Ss Oct 09 00:00:00 /bin/bash /usr/sbin/core\_annotate\_util daemon  1166 0.0 0.1 ? S Oct 09 00:00:00 python /bin/immortalize --daemonize --log=/var/log/agents/ConnMgr --logappend --logpidsuffix --maxcredits=5 --cost=1 --immortalizepidfile=/var/run/ImmortalizeConnMgr.pid /usr/bin/ConnMgr -p /var/run/ConnMgr.pid  1167 0.0 0.1 ? S Oct 09 00:00:00 /usr/bin/ConnMgr -p /var/run/ConnMgr.pid  1200 0.0 0.0 ? S Oct 09 00:00:00 inotifywait -e modify /var/lib/rpm  1203 0.0 0.3 ? S Oct 09 00:00:00 netnsd-watcher -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1205 0.0 0.3 ? S Oct 09 00:00:00 netnsd-server -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1219 0.0 0.9 ? S Oct 09 00:00:00 ProcMgr-master  1430 0.0 0.0 ? S Oct 09 00:29:16 /usr/bin/EosOomAdjust  1438 0.0 0.0 ? S Oct 09 00:00:50 [rbfd\_vrf\_cleanu]  1453 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/sbin/acpid  1490 0.0 0.0 ? S Oct 09 00:06:57 /usr/bin/SlabMonitor  1491 0.0 2.5 ? S Oct 09 01:35:12 Sysdb  1568 0.0 1.2 ? S Oct 09 00:01:58 StageMgr  1571 0.0 1.4 ? S Oct 09 00:04:28 Fru  1572 0.0 1.8 ? S Oct 09 00:01:38 Launcher  1688 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Lldp --demuxerOpts=267022308128,267022046453,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Lldp  1690 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=McastCommon --demuxerOpts=267060701420,267060508537,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/McastCommon  1691 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1693 0.0 1.2 ? S Oct 09 00:23:32 Lldp  1694 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=PortSec --demuxerOpts=267110961213,267109664682,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/PortSec  1695 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1696 0.0 1.2 ? S Oct 09 00:08:36 McastCommon  1697 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1698 0.0 1.1 ? S Oct 09 00:05:37 PortSec  1714 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Bfd --demuxerOpts=267287943293,267201183478,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Bfd  1715 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1717 0.0 1.3 ? S Oct 09 00:11:22 Bfd  1718 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/1:1H]  1719 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Lag --demuxerOpts=271081382312,270995105784,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Lag  1722 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1726 0.0 1.3 ? S Oct 09 00:47:26 Lag  1729 0.0 1.7 ? S Oct 09 01:31:06 SuperServer  1734 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Ira --demuxerOpts=274988497901,271357642443,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Ira  1735 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1736 0.0 1.4 ? S Oct 09 00:08:37 Ira  1738 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=LedPolicy --demuxerOpts=275250997605,275154076090,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/LedPolicy  1740 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1741 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=EventMgr --demuxerOpts=275322741078,275313300522,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/EventMgr  1742 0.0 1.1 ? S Oct 09 00:07:48 LedPolicy  1743 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1744 0.0 1.3 ? S Oct 09 00:19:58 EventMgr  1745 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=StpTxRx --demuxerOpts=275444901964,275402374762,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/StpTxRx  1746 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1747 0.0 1.2 ? S Oct 09 01:13:01 StpTxRx  1748 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=StandbyCpld --demuxerOpts=275574357813,275495834090,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/StandbyCpld  1749 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1750 0.0 1.1 ? S Oct 09 00:01:43 StandbyCpld  1751 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=AgentMonitor --demuxerOpts=275690651150,275669274609,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/AgentMonitor  1753 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1754 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Tunnel --demuxerOpts=275828291876,275803253646,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Tunnel  1755 0.0 1.0 ? S Oct 09 01:45:10 AgentMonitor  1756 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1757 0.0 1.5 ? Sl Oct 09 00:04:56 Aaa  1758 0.0 1.2 ? S Oct 09 00:03:52 Tunnel  1759 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=StpTopology --demuxerOpts=279461268794,279461053568,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/StpTopology  1761 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Acl --demuxerOpts=279657298608,279657060623,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Acl  1762 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1763 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1764 0.0 1.2 ? S Oct 09 00:08:46 StpTopology  1765 0.0 1.3 ? S Oct 09 00:51:40 Acl  1766 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Stp --demuxerOpts=279904248479,279849063698,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Stp  1767 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1768 0.0 1.1 ? S Oct 09 00:13:27 Stp  1769 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=KernelNetworkInfo --demuxerOpts=280070978812,280040277887,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/KernelNetworkInfo  1770 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1772 0.0 1.1 ? S Oct 09 00:04:45 KernelNetworkInfo  1773 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=McastCommon6 --demuxerOpts=283496234961,283496022668,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/McastCommon6  1775 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1776 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=LacpTxAgent --demuxerOpts=283670009272,283654033031,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/LacpTxAgent  1777 0.0 1.2 ? S Oct 09 00:07:38 McastCommon6  1779 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1780 0.0 1.2 ? S Oct 09 00:08:11 LacpTxAgent  1782 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Arp --demuxerOpts=283962169714,283884454900,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Arp  1783 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1785 0.0 1.4 ? S Oct 09 00:12:07 Arp  1787 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=KernelFib --demuxerOpts=284368944078,284152030106,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/KernelFib  1788 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1789 0.0 1.3 ? S Oct 09 00:09:07 KernelFib  1790 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Qos --demuxerOpts=287951299826,287794979486,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Qos  1792 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1793 0.0 1.2 ? S Oct 09 00:07:01 Qos  1795 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Thermostat --demuxerOpts=288248865373,288063169954,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Thermostat  1797 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1799 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=L2Rib --demuxerOpts=288352399604,288352136405,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/L2Rib  1801 0.0 1.1 ? S Oct 09 00:04:49 Thermostat  1803 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1804 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=TopoAgent --demuxerOpts=288556229908,288555994956,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/TopoAgent --scheduled  1806 0.0 1.2 ? S Oct 09 00:03:02 L2Rib  1809 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1810 0.0 1.1 ? S Oct 09 00:04:37 TopoAgent  1811 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=PowerFuse --demuxerOpts=292069625737,292066417655,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/PowerFuse  1813 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1815 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=PowerManager --demuxerOpts=292307240803,292274815881,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/PowerManager  1816 0.0 1.0 ? S Oct 09 00:01:36 PowerFuse  1817 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1819 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Ebra --demuxerOpts=292498169297,292497956396,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Ebra  1822 0.0 1.1 ? S Oct 09 00:01:40 PowerManager  1823 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1826 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=ReloadCauseAgent --demuxerOpts=292791615266,292746210228,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/ReloadCauseAgent  1827 0.0 1.3 ? S Oct 09 00:17:20 Ebra  1831 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1833 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=SharedSecretProfile --demuxerOpts=292974197331,292973964529,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/SharedSecretProfile  1837 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1839 0.0 1.1 ? S Oct 09 00:01:38 ReloadCauseAgent  1840 0.0 1.5 ? S Oct 09 00:09:45 IgmpSnooping  1842 0.0 1.0 ? S Oct 09 00:01:39 SharedSecretProfile  1864 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Sfe --demuxerOpts=297106316632,297106081843,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Sfe  1865 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1881 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=StaticRoute --demuxerOpts=301046223259,301035905330,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/StaticRoute --scheduled  1883 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1886 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=IpRib --demuxerOpts=301197056671,301187894591,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/IpRib --scheduled  1887 0.0 1.3 ? S Oct 09 00:04:44 StaticRoute  1889 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1890 0.0 1.6 ? S Oct 09 00:11:31 IpRib  1892 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=BgpCliHelper --demuxerOpts=301382661484,301331080415,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/BgpCliHelper --scheduled  1893 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1895 0.0 1.9 ? S Oct 09 00:05:52 BgpCliHelper  1896 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=ConnectedRoute --demuxerOpts=301560922350,301533425877,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/ConnectedRoute  1901 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1905 0.0 1.2 ? S Oct 09 00:09:24 ConnectedRoute  1907 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=RouteInput --demuxerOpts=305119965463,304973045214,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/RouteInput  1910 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1911 0.0 2.2 ? Sl Oct 09 00:26:36 Bgp  1913 0.0 1.3 ? S Oct 09 00:05:49 RouteInput  1984 0.0 0.0 ? S Dec 08 00:00:01 [kworker/u8:2]  2276 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=LicenseManager --demuxerOpts=348517528299,348517276781,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/LicenseManager  2279 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2282 0.0 1.1 ? S Oct 09 00:01:46 LicenseManager  2285 0.0 0.0 ? Ssl Oct 09 00:01:38 /usr/sbin/rsyslogd -n  2338 0.0 0.0 ? S Oct 09 00:00:00 /usr/sbin/dnsmasq  2571 0.0 0.0 ? Zs Oct 09 00:00:00 [SuperServer] <defunct>  2613 0.0 0.0 ? S Oct 09 00:00:00 /usr/bin/conlogd  2614 0.0 0.0 ttyS0 Ss+ Oct 09 00:00:00 /sbin/mingetty --noclear /dev/ttyS0  2615 0.0 0.0 tty1 Ss+ Oct 09 00:00:00 /sbin/agetty --noclear tty1 linux  2618 0.0 0.0 ? S Oct 09 00:00:00 sh -c /usr/bin/tail -n 0 --retry --follow=name --pid=2613 /var/log/eos-console | sed 's/\(.\*\)/\1\r/'  2620 0.0 0.0 ? S Oct 09 00:00:57 /usr/bin/tail -n 0 --retry --follow=name --pid=2613 /var/log/eos-console  2621 0.0 0.0 ? S Oct 09 00:00:00 sed s/\(.\*\)/\1\r/  2675 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Ipsec --demuxerOpts=369420756030,369420505813,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Ipsec  2676 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2680 0.0 1.3 ? S Oct 09 00:26:01 Ipsec  2700 0.0 0.4 ? Ss Oct 09 00:00:03 dhclient -e SYSNAME=ar -e SYSDBSOCKNAME=sysdb -e VRFNAME=default -sf /etc/dhcp/dhclient-script.py -pf /var/run/dhclient-default.pid -cf /etc/dhcp/dhclient-default.conf -lf /var/lib/dhclient/dhclient-default.leases -e et1=Ethernet1  2729 0.0 0.1 ? Ssl Oct 09 00:02:36 ntpd -u ntp:ntp -g -p /var/run/ntpd.pid  2734 0.0 0.0 ? Ss Oct 09 00:00:00 fusermount -o rw,nosuid,nodev,allow\_other,auto\_unmount,subtype=MfibFuse -- /BessProc  3363 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/libexec/strongswan/starter --daemon charon  3365 0.0 0.1 ? Ssl Oct 09 00:04:18 /usr/libexec/strongswan/charon --use-syslog  3525 0.0 0.0 ? S 17:48:00 00:00:00 [kworker/0:3]  4104 0.0 0.1 ? Rs 17:48:35 00:00:00 python /bin/FetchLogs dump -n -l /var/log -m eos(?=($|\..\*\.gz))  4107 0.0 0.0 ? Rs 17:48:35 00:00:00 ps -e -o pid,pcpu,pmem,tt,stat,lstart,start,time,cmd --sort=-pcpu -ww  4108 0.0 0.0 ? Ss 17:48:35 00:00:00 tail -n 32  4661 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=CapiApp --demuxerOpts=5957835036638,5957834774817,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/CapiApp --ini /etc/uwsgi/CapiApp.ini  4662 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  4663 0.0 1.3 ? Sl Oct 09 00:01:59 CapiApp -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  4707 0.0 0.0 ? Ss Oct 09 00:00:00 nginx: master process /usr/sbin/nginx -c /etc/nginx/nginx.conf -g pid /var/run/nginx.pid;  4709 0.0 0.1 ? S Oct 09 00:00:07 nginx: worker process   7901 0.0 0.0 ? S Dec 31 00:00:00 /bin/sh /var/awslogs/bin/awslogs-agent-launcher.sh 21080 0.0 0.0 ? S 16:11:12 00:00:00 [kworker/u8:0] 26226 0.0 0.0 ? S 17:21:01 00:00:00 [kworker/0:0] 27190 0.0 0.0 ? S 17:36:00 00:00:00 [kworker/0:1] 31377 0.0 0.0 ? S 17:42:01 00:00:00 [kworker/0:2] . |

# 4. Detailed Test Suite Results: Dns

## 4.1 Test Case: Test dns configuration

### 4.1.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 7 |
| Name | test\_dns\_configuration\_on\_ |
| Description | Verifies DNS configuration matches the recommended practices |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | None |
| Expected output | [True, True] |
| Actual output | [True, True] |
| Test result | True |
| Fail reason |  |
| Comment | TEST |kg-topology-CloudEosRR1| DNS config. GIVEN DNS config |ip name-server vrf default 11.201.12.2 |. WHEN DNS config |ip name-server vrf default 11.201.12.2 |. THEN test case result is |True|.  OUTPUT of |show running-config section name-server| is :  ip name-server vrf default 11.201.12.2 . |

### 4.1.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 8 |
| Name | test\_dns\_configuration\_on\_ |
| Description | Verifies DNS configuration matches the recommended practices |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | None |
| Expected output | [True, True] |
| Actual output | [True, True] |
| Test result | True |
| Fail reason |  |
| Comment | TEST |kg-topology-CloudEosRR2| DNS config. GIVEN DNS config |ip name-server vrf default 11.201.12.2 |. WHEN DNS config |ip name-server vrf default 11.201.12.2 |. THEN test case result is |True|.  OUTPUT of |show running-config section name-server| is :  ip name-server vrf default 11.201.12.2 . |

## 4.2 Test Case: Test if dns resolves

### 4.2.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 9 |
| Name | test\_if\_dns\_resolves\_on\_ |
| Description | Verify DNS is running by performing pings and verifying name resolution |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show management api http-commands |
| Expected output | [True, True, True] |
| Actual output | [True, True, True] |
| Test result | True |
| Fail reason |  |
| Comment | TEST can |kg-topology-CloudEosRR1| resolve |google.com|. GIVEN URL is |google.com|. WHEN exception is |Name or service not known| string. THEN test case result is |True|. OUTPUT of |ping google.com| is :  PING google.com (172.217.4.78) 72(100) bytes of data. 76 bytes from lga15s47-in-f78.1e100.net (172.217.4.78): icmp\_seq=1 ttl=100 (truncated) 76 bytes from lga15s47-in-f78.1e100.net (172.217.4.78): icmp\_seq=2 ttl=100 (truncated) 76 bytes from lga15s47-in-f78.1e100.net (172.217.4.78): icmp\_seq=3 ttl=100 (truncated) 76 bytes from lga15s47-in-f78.1e100.net (172.217.4.78): icmp\_seq=4 ttl=100 (truncated) 76 bytes from lga15s47-in-f78.1e100.net (172.217.4.78): icmp\_seq=5 ttl=100 (truncated)  --- google.com ping statistics --- 5 packets transmitted, 5 received, 0% packet loss, time 61ms rtt min/avg/max/mdev = 17.211/17.220/17.231/0.117 ms, pipe 2, ipg/ewma 15.403/17.219 ms . TEST can |kg-topology-CloudEosRR1| resolve |cnn.com|. GIVEN URL is |cnn.com|. WHEN exception is |Name or service not known| string. THEN test case result is |True|. OUTPUT of |ping cnn.com| is :  PING cnn.com (151.101.193.67) 72(100) bytes of data. 80 bytes from 151.101.193.67 (151.101.193.67): icmp\_seq=1 ttl=39 time=11.4 ms 80 bytes from 151.101.193.67 (151.101.193.67): icmp\_seq=2 ttl=39 time=11.4 ms 80 bytes from 151.101.193.67 (151.101.193.67): icmp\_seq=3 ttl=39 time=11.4 ms 80 bytes from 151.101.193.67 (151.101.193.67): icmp\_seq=4 ttl=39 time=11.4 ms 80 bytes from 151.101.193.67 (151.101.193.67): icmp\_seq=5 ttl=39 time=11.5 ms  --- cnn.com ping statistics --- 5 packets transmitted, 5 received, 0% packet loss, time 44ms rtt min/avg/max/mdev = 11.412/11.450/11.571/0.131 ms, pipe 2, ipg/ewma 11.001/11.441 ms . TEST can |kg-topology-CloudEosRR1| resolve |arista.com|. GIVEN URL is |arista.com|. WHEN exception is |Name or service not known| string. THEN test case result is |True|. OUTPUT of |ping arista.com| is :  PING arista.com (64.68.200.46) 72(100) bytes of data. 80 bytes from url-fwd.easydns.com (64.68.200.46): icmp\_seq=1 ttl=39 time=23.4 ms 80 bytes from url-fwd.easydns.com (64.68.200.46): icmp\_seq=2 ttl=39 time=23.4 ms 80 bytes from url-fwd.easydns.com (64.68.200.46): icmp\_seq=3 ttl=39 time=23.4 ms 80 bytes from url-fwd.easydns.com (64.68.200.46): icmp\_seq=4 ttl=39 time=23.4 ms 80 bytes from url-fwd.easydns.com (64.68.200.46): icmp\_seq=5 ttl=39 time=23.4 ms  --- arista.com ping statistics --- 5 packets transmitted, 5 received, 0% packet loss, time 66ms rtt min/avg/max/mdev = 23.433/23.445/23.457/0.137 ms, pipe 3, ipg/ewma 16.661/23.441 ms . |

### 4.2.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 10 |
| Name | test\_if\_dns\_resolves\_on\_ |
| Description | Verify DNS is running by performing pings and verifying name resolution |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show management api http-commands |
| Expected output | [True, True, True] |
| Actual output | [True, True, True] |
| Test result | True |
| Fail reason |  |
| Comment | TEST can |kg-topology-CloudEosRR2| resolve |google.com|. GIVEN URL is |google.com|. WHEN exception is |Name or service not known| string. THEN test case result is |True|. OUTPUT of |ping google.com| is :  PING google.com (216.58.192.238) 72(100) bytes of data. 76 bytes from ord30s26-in-f14.1e100.net (216.58.192.238): icmp\_seq=1 ttl=100 (truncated) 76 bytes from ord30s26-in-f14.1e100.net (216.58.192.238): icmp\_seq=2 ttl=100 (truncated) 76 bytes from ord30s26-in-f14.1e100.net (216.58.192.238): icmp\_seq=3 ttl=100 (truncated) 76 bytes from ord30s26-in-f14.1e100.net (216.58.192.238): icmp\_seq=4 ttl=100 (truncated) 76 bytes from ord30s26-in-f14.1e100.net (216.58.192.238): icmp\_seq=5 ttl=100 (truncated)  --- google.com ping statistics --- 5 packets transmitted, 5 received, 0% packet loss, time 61ms rtt min/avg/max/mdev = 16.811/16.822/16.834/0.082 ms, pipe 2, ipg/ewma 15.266/16.826 ms . TEST can |kg-topology-CloudEosRR2| resolve |cnn.com|. GIVEN URL is |cnn.com|. WHEN exception is |Name or service not known| string. THEN test case result is |True|. OUTPUT of |ping cnn.com| is :  PING cnn.com (151.101.1.67) 72(100) bytes of data. 80 bytes from 151.101.1.67 (151.101.1.67): icmp\_seq=1 ttl=39 time=10.7 ms 80 bytes from 151.101.1.67 (151.101.1.67): icmp\_seq=2 ttl=39 time=10.7 ms 80 bytes from 151.101.1.67 (151.101.1.67): icmp\_seq=3 ttl=39 time=10.7 ms 80 bytes from 151.101.1.67 (151.101.1.67): icmp\_seq=4 ttl=39 time=10.7 ms 80 bytes from 151.101.1.67 (151.101.1.67): icmp\_seq=5 ttl=39 time=10.7 ms  --- cnn.com ping statistics --- 5 packets transmitted, 5 received, 0% packet loss, time 45ms rtt min/avg/max/mdev = 10.705/10.720/10.733/0.009 ms, pipe 2, ipg/ewma 11.492/10.726 ms . TEST can |kg-topology-CloudEosRR2| resolve |arista.com|. GIVEN URL is |arista.com|. WHEN exception is |Name or service not known| string. THEN test case result is |True|. OUTPUT of |ping arista.com| is :  PING arista.com (64.68.200.46) 72(100) bytes of data. 80 bytes from url-fwd.easydns.com (64.68.200.46): icmp\_seq=1 ttl=39 time=23.1 ms 80 bytes from url-fwd.easydns.com (64.68.200.46): icmp\_seq=2 ttl=39 time=23.1 ms 80 bytes from url-fwd.easydns.com (64.68.200.46): icmp\_seq=3 ttl=39 time=23.1 ms 80 bytes from url-fwd.easydns.com (64.68.200.46): icmp\_seq=4 ttl=39 time=23.0 ms 80 bytes from url-fwd.easydns.com (64.68.200.46): icmp\_seq=5 ttl=39 time=23.0 ms  --- arista.com ping statistics --- 5 packets transmitted, 5 received, 0% packet loss, time 66ms rtt min/avg/max/mdev = 23.080/23.122/23.168/0.195 ms, pipe 3, ipg/ewma 16.580/23.143 ms . |

## 4.3 Test Case: Test if dns servers are reachable

### 4.3.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 11 |
| Name | test\_if\_dns\_servers\_are\_reachable\_on\_ |
| Description | Verifies DNS servers are reachable via ping |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | None |
| Expected output | [True] |
| Actual output | [False] |
| Test result | False |
| Fail reason | On router |kg-topology-CloudEosRR1|, verifying NTP server reachability for |11.201.12.2| is |False|. |
| Comment | TEST NTP servers are reachable on |kg-topology-CloudEosRR1| GIVEN server |11.201.12.2|. WHEN exception is |bytes from| string. THEN test case result is |False|. OUTPUT of |ping 11.201.12.2| is :  PING 11.201.12.2 (11.201.12.2) 72(100) bytes of data.  --- 11.201.12.2 ping statistics --- 5 packets transmitted, 0 received, 100% packet loss, time 40ms  . |

### 4.3.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 12 |
| Name | test\_if\_dns\_servers\_are\_reachable\_on\_ |
| Description | Verifies DNS servers are reachable via ping |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | None |
| Expected output | [True] |
| Actual output | [False] |
| Test result | False |
| Fail reason | On router |kg-topology-CloudEosRR2|, verifying NTP server reachability for |11.201.12.2| is |False|. |
| Comment | TEST NTP servers are reachable on |kg-topology-CloudEosRR2| GIVEN server |11.201.12.2|. WHEN exception is |bytes from| string. THEN test case result is |False|. OUTPUT of |ping 11.201.12.2| is :  PING 11.201.12.2 (11.201.12.2) 72(100) bytes of data.  --- 11.201.12.2 ping statistics --- 5 packets transmitted, 0 received, 100% packet loss, time 43ms  . |

# 5. Detailed Test Suite Results: Ztp

## 5.1 Test Case: Test for zerotouch config file

### 5.1.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 13 |
| Name | test\_for\_zerotouch\_config\_file\_on\_ |
| Description | Verify zerotoucn-config file is on flash |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | dir flash:zerotouch-config |
| Expected output | True |
| Actual output | True |
| Test result | True |
| Fail reason |  |
| Comment | TEST is ZTP configuration file on |kg-topology-CloudEosRR1|. GIVEN ZTP configuration file is |True|. WHEN ZTP configuration file is |True|. THEN test case result is |True|. OUTPUT of |dir flash:zerotouch-config| is :  Directory of flash:/zerotouch-config   -rw- 13 May 10 2020 zerotouch-config  8319852544 bytes total (7292985344 bytes free) |

### 5.1.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 14 |
| Name | test\_for\_zerotouch\_config\_file\_on\_ |
| Description | Verify zerotoucn-config file is on flash |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | dir flash:zerotouch-config |
| Expected output | True |
| Actual output | True |
| Test result | True |
| Fail reason |  |
| Comment | TEST is ZTP configuration file on |kg-topology-CloudEosRR2|. GIVEN ZTP configuration file is |True|. WHEN ZTP configuration file is |True|. THEN test case result is |True|. OUTPUT of |dir flash:zerotouch-config| is :  Directory of flash:/zerotouch-config   -rw- 13 May 10 2020 zerotouch-config  8319852544 bytes total (7293034496 bytes free) |

## 5.2 Test Case: Test if zerotouch is disabled

### 5.2.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 15 |
| Name | test\_if\_zerotouch\_is\_disabled\_on\_ |
| Description | Verify local log messages |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show zerotouch |
| Expected output | disabled |
| Actual output | disabled |
| Test result | True |
| Fail reason |  |
| Comment | TEST is ZTP disabled on |kg-topology-CloudEosRR1|. GIVEN ZTP state is |disabled|. WHEN ZTP state is |disabled|. THEN test case result is |True|. OUTPUT of |show zerotouch| is :   ZeroTouch Mode: Disabled Script Exec Timeout: 900 |

### 5.2.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 16 |
| Name | test\_if\_zerotouch\_is\_disabled\_on\_ |
| Description | Verify local log messages |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show zerotouch |
| Expected output | disabled |
| Actual output | disabled |
| Test result | True |
| Fail reason |  |
| Comment | TEST is ZTP disabled on |kg-topology-CloudEosRR2|. GIVEN ZTP state is |disabled|. WHEN ZTP state is |disabled|. THEN test case result is |True|. OUTPUT of |show zerotouch| is :   ZeroTouch Mode: Disabled Script Exec Timeout: 900 |

# 6. Detailed Test Suite Results: Daemon

## 6.1 Test Case: Test if daemons are enabled

### 6.1.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 17 |
| Name | test\_if\_daemons\_are\_enabled\_on\_ |
| Description | Verify a list of daemons are enabled on DUT |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show daemon |
| Expected output | [True] |
| Actual output | [True] |
| Test result | True |
| Fail reason |  |
| Comment | TEST is TerminAttr daemon enabled on |kg-topology-CloudEosRR1|. GIVEN expected TerminAttr enabled state: |True|. WHEN TerminAttr device enabled state is |True|. THEN test case result is |True|. OUTPUT of |show daemon| is :  Process: TerminAttr (running with PID 1678) Uptime: 90 days, 1:38:11 (Start time: Fri Oct 09 16:10:25 2020) No configuration options stored.  No status data stored.  . |

### 6.1.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 18 |
| Name | test\_if\_daemons\_are\_enabled\_on\_ |
| Description | Verify a list of daemons are enabled on DUT |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show daemon |
| Expected output | [True] |
| Actual output | [True] |
| Test result | True |
| Fail reason |  |
| Comment | TEST is TerminAttr daemon enabled on |kg-topology-CloudEosRR2|. GIVEN expected TerminAttr enabled state: |True|. WHEN TerminAttr device enabled state is |True|. THEN test case result is |True|. OUTPUT of |show daemon| is :  Process: TerminAttr (running with PID 1699) Uptime: 90 days, 1:38:07 (Start time: Fri Oct 09 16:10:29 2020) No configuration options stored.  No status data stored.  . |

## 6.2 Test Case: Test if daemons are running

### 6.2.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 19 |
| Name | test\_if\_daemons\_are\_running\_on\_ |
| Description | Verify a list of daemons are running on DUT |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show daemon |
| Expected output | [True] |
| Actual output | [True] |
| Test result | True |
| Fail reason |  |
| Comment | TEST is TerminAttr daemon running on |kg-topology-CloudEosRR1|. GIVEN expected TerminAttr running state: |True|. WHEN TerminAttr device running state is |True|. THEN test case result is |True|. OUTPUT of |show daemon| is :  Process: TerminAttr (running with PID 1678) Uptime: 90 days, 1:38:11 (Start time: Fri Oct 09 16:10:25 2020) No configuration options stored.  No status data stored.  . |

### 6.2.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 20 |
| Name | test\_if\_daemons\_are\_running\_on\_ |
| Description | Verify a list of daemons are running on DUT |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show daemon |
| Expected output | [True] |
| Actual output | [True] |
| Test result | True |
| Fail reason |  |
| Comment | TEST is TerminAttr daemon running on |kg-topology-CloudEosRR2|. GIVEN expected TerminAttr running state: |True|. WHEN TerminAttr device running state is |True|. THEN test case result is |True|. OUTPUT of |show daemon| is :  Process: TerminAttr (running with PID 1699) Uptime: 90 days, 1:38:07 (Start time: Fri Oct 09 16:10:29 2020) No configuration options stored.  No status data stored.  . |

# 7. Detailed Test Suite Results: System

## 7.1 Test Case: Test if eos version is correct

### 7.1.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 21 |
| Name | test\_if\_eos\_version\_is\_correct\_on\_ |
| Description | Verifies EOS version running on the device |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show version |
| Expected output | 4.23.1F-cloud-16179785.jakartarel (engineering build) |
| Actual output | 4.24.0FX-cloud |
| Test result | False |
| Fail reason | On router |kg-topology-CloudEosRR1| EOS version is |4.24.0FX-cloud%|, version should be |4.23.1F-cloud-16179785.jakartarel (engineering build)%| |
| Comment | TEST EOS version running on the device on |kg-topology-CloudEosRR1|. GIVEN version is |4.23.1F-cloud-16179785.jakartarel (engineering build)|. WHEN version is |4.24.0FX-cloud|. THEN test case result is |False|. OUTPUT of |show version| is:  Arista vEOS Hardware version:  Serial number: 3075D517B750B3A4AE23DED82DFAF702 System MAC address: 02df.de50.a8f9  Software image version: 4.24.0FX-cloud Architecture: x86\_64 Internal build version: 4.24.0FX-cloud-16811629.4240FX Internal build ID: 4d308dc3-e34e-4c33-b790-7f443d4288fe  Uptime: 12 weeks, 6 days, 1 hours and 39 minutes Total memory: 7818736 kB Free memory: 3020996 kB |

### 7.1.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 22 |
| Name | test\_if\_eos\_version\_is\_correct\_on\_ |
| Description | Verifies EOS version running on the device |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show version |
| Expected output | 4.23.1F-cloud-16179785.jakartarel (engineering build) |
| Actual output | 4.24.0FX-cloud |
| Test result | False |
| Fail reason | On router |kg-topology-CloudEosRR2| EOS version is |4.24.0FX-cloud%|, version should be |4.23.1F-cloud-16179785.jakartarel (engineering build)%| |
| Comment | TEST EOS version running on the device on |kg-topology-CloudEosRR2|. GIVEN version is |4.23.1F-cloud-16179785.jakartarel (engineering build)|. WHEN version is |4.24.0FX-cloud|. THEN test case result is |False|. OUTPUT of |show version| is:  Arista vEOS Hardware version:  Serial number: 5AF63C12E54F39466CB6E9CC07325A44 System MAC address: 06aa.1af7.287f  Software image version: 4.24.0FX-cloud Architecture: x86\_64 Internal build version: 4.24.0FX-cloud-16811629.4240FX Internal build ID: 4d308dc3-e34e-4c33-b790-7f443d4288fe  Uptime: 12 weeks, 6 days, 1 hours and 39 minutes Total memory: 7818736 kB Free memory: 3032076 kB |

## 7.2 Test Case: Test if there is agents have crashed

### 7.2.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 23 |
| Name | test\_if\_there\_is\_agents\_have\_crashed\_on\_ |
| Description | Verifies the agents logs crash is empty |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | None |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |
| Comment | TEST number of agent crashes on |kg-topology-CloudEosRR1|. GIVEN |0| agent crashes. WHEN |0| agent crashes. THEN test case result is |True|. OUTPUT of |show agent logs crash| is: . |

### 7.2.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 24 |
| Name | test\_if\_there\_is\_agents\_have\_crashed\_on\_ |
| Description | Verifies the agents logs crash is empty |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | None |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |
| Comment | TEST number of agent crashes on |kg-topology-CloudEosRR2|. GIVEN |0| agent crashes. WHEN |0| agent crashes. THEN test case result is |True|. OUTPUT of |show agent logs crash| is: . |

# 8. Detailed Test Suite Results: Extension

## 8.1 Test Case: Test if extensions are erroring

### 8.1.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 25 |
| Name | test\_if\_extensions\_are\_erroring\_on\_ |
| Description | Verify a list of extension are not erroring on a DUT |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show extensions |
| Expected output | [False, False] |
| Actual output | [False, False] |
| Test result | True |
| Fail reason |  |
| Comment | TEST is awslogs.swix extension not erroring on |kg-topology-CloudEosRR1|. GIVEN awslogs.swix extenstion error state is |False|. WHEN awslogs.swix extenstion error state is |False|. THEN test case result is |True|. OUTPUT of |show extensions| is: Name Version/Release Status Extension ----------------- -------------------- ----------- --------- awsha.rpm 0.1.1/1 A, I 1  awslogs.swix 1.4.0/1.el7 A, I 1    A: available | NA: not available | I: installed | NI: not installed | F: forced S: valid signature | NS: invalid signature . TEST is awsha.rpm extension not erroring on |kg-topology-CloudEosRR1|. GIVEN awsha.rpm extenstion error state is |False|. WHEN awsha.rpm extenstion error state is |False|. THEN test case result is |True|. OUTPUT of |show extensions| is: Name Version/Release Status Extension ----------------- -------------------- ----------- --------- awsha.rpm 0.1.1/1 A, I 1  awslogs.swix 1.4.0/1.el7 A, I 1    A: available | NA: not available | I: installed | NI: not installed | F: forced S: valid signature | NS: invalid signature . |

### 8.1.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 26 |
| Name | test\_if\_extensions\_are\_erroring\_on\_ |
| Description | Verify a list of extension are not erroring on a DUT |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show extensions |
| Expected output | [False, False] |
| Actual output | [False, False] |
| Test result | True |
| Fail reason |  |
| Comment | TEST is awslogs.swix extension not erroring on |kg-topology-CloudEosRR2|. GIVEN awslogs.swix extenstion error state is |False|. WHEN awslogs.swix extenstion error state is |False|. THEN test case result is |True|. OUTPUT of |show extensions| is: Name Version/Release Status Extension ----------------- -------------------- ----------- --------- awsha.rpm 0.1.1/1 A, I 1  awslogs.swix 1.4.0/1.el7 A, I 1    A: available | NA: not available | I: installed | NI: not installed | F: forced S: valid signature | NS: invalid signature . TEST is awsha.rpm extension not erroring on |kg-topology-CloudEosRR2|. GIVEN awsha.rpm extenstion error state is |False|. WHEN awsha.rpm extenstion error state is |False|. THEN test case result is |True|. OUTPUT of |show extensions| is: Name Version/Release Status Extension ----------------- -------------------- ----------- --------- awsha.rpm 0.1.1/1 A, I 1  awslogs.swix 1.4.0/1.el7 A, I 1    A: available | NA: not available | I: installed | NI: not installed | F: forced S: valid signature | NS: invalid signature . |

## 8.2 Test Case: Test if extensions are installed

### 8.2.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 27 |
| Name | test\_if\_extensions\_are\_installed\_on\_ |
| Description | Verify a list of extension are installed on a DUT |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show extensions |
| Expected output | ['installed', 'installed'] |
| Actual output | ['installed', 'installed'] |
| Test result | True |
| Fail reason |  |
| Comment | TEST is awslogs.swix extension installed on |kg-topology-CloudEosRR1|. GIVEN awslogs.swix extenstion installation state is |installed|. WHEN awslogs.swix extenstion installation state is |installed|. THEN test case result is |True|. OUTPUT of |show extensions| is: Name Version/Release Status Extension ----------------- -------------------- ----------- --------- awsha.rpm 0.1.1/1 A, I 1  awslogs.swix 1.4.0/1.el7 A, I 1    A: available | NA: not available | I: installed | NI: not installed | F: forced S: valid signature | NS: invalid signature . TEST is awsha.rpm extension installed on |kg-topology-CloudEosRR1|. GIVEN awsha.rpm extenstion installation state is |installed|. WHEN awsha.rpm extenstion installation state is |installed|. THEN test case result is |True|. OUTPUT of |show extensions| is: Name Version/Release Status Extension ----------------- -------------------- ----------- --------- awsha.rpm 0.1.1/1 A, I 1  awslogs.swix 1.4.0/1.el7 A, I 1    A: available | NA: not available | I: installed | NI: not installed | F: forced S: valid signature | NS: invalid signature . |

### 8.2.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 28 |
| Name | test\_if\_extensions\_are\_installed\_on\_ |
| Description | Verify a list of extension are installed on a DUT |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show extensions |
| Expected output | ['installed', 'installed'] |
| Actual output | ['installed', 'installed'] |
| Test result | True |
| Fail reason |  |
| Comment | TEST is awslogs.swix extension installed on |kg-topology-CloudEosRR2|. GIVEN awslogs.swix extenstion installation state is |installed|. WHEN awslogs.swix extenstion installation state is |installed|. THEN test case result is |True|. OUTPUT of |show extensions| is: Name Version/Release Status Extension ----------------- -------------------- ----------- --------- awsha.rpm 0.1.1/1 A, I 1  awslogs.swix 1.4.0/1.el7 A, I 1    A: available | NA: not available | I: installed | NI: not installed | F: forced S: valid signature | NS: invalid signature . TEST is awsha.rpm extension installed on |kg-topology-CloudEosRR2|. GIVEN awsha.rpm extenstion installation state is |installed|. WHEN awsha.rpm extenstion installation state is |installed|. THEN test case result is |True|. OUTPUT of |show extensions| is: Name Version/Release Status Extension ----------------- -------------------- ----------- --------- awsha.rpm 0.1.1/1 A, I 1  awslogs.swix 1.4.0/1.el7 A, I 1    A: available | NA: not available | I: installed | NI: not installed | F: forced S: valid signature | NS: invalid signature . |

# 9. Detailed Test Suite Results: Environment

## 9.1 Test Case: Test if fan status is in spec

### 9.1.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 29 |
| Name | test\_if\_fan\_status\_is\_in\_spec\_on\_ |
| Description | Verify fan modules are functioning correctly |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show system environment cooling |
| Expected output | None |
| Actual output | None |
| Test result | True |
| Fail reason |  |
| Comment | INVALID TEST: CloudEOS router |kg-topology-CloudEosRR1| doesnt require fans. |

### 9.1.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 30 |
| Name | test\_if\_fan\_status\_is\_in\_spec\_on\_ |
| Description | Verify fan modules are functioning correctly |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show system environment cooling |
| Expected output | None |
| Actual output | None |
| Test result | True |
| Fail reason |  |
| Comment | INVALID TEST: CloudEOS router |kg-topology-CloudEosRR2| doesnt require fans. |

## 9.2 Test Case: Test if sensors temp is in spec

### 9.2.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 31 |
| Name | test\_if\_sensors\_temp\_is\_in\_spec\_on\_ |
| Description | Verify system temperature sensors environmentals are functional within spec |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | None |
| Expected output | None |
| Actual output | None |
| Test result | True |
| Fail reason |  |
| Comment | INVALID TEST: CloudEOS router |kg-topology-CloudEosRR1| doesnt require cooling. |

### 9.2.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 32 |
| Name | test\_if\_sensors\_temp\_is\_in\_spec\_on\_ |
| Description | Verify system temperature sensors environmentals are functional within spec |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | None |
| Expected output | None |
| Actual output | None |
| Test result | True |
| Fail reason |  |
| Comment | INVALID TEST: CloudEOS router |kg-topology-CloudEosRR2| doesnt require cooling. |

## 9.3 Test Case: Test if system environment cooling is in spec

### 9.3.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 33 |
| Name | test\_if\_system\_environment\_cooling\_is\_in\_spec\_on\_ |
| Description | Verify system cooling environmentals are functional within spec |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show system environment cooling |
| Expected output | None |
| Actual output | None |
| Test result | True |
| Fail reason |  |
| Comment | INVALID TEST: CloudEOS router |kg-topology-CloudEosRR1| doesnt require cooling. |

### 9.3.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 34 |
| Name | test\_if\_system\_environment\_cooling\_is\_in\_spec\_on\_ |
| Description | Verify system cooling environmentals are functional within spec |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show system environment cooling |
| Expected output | None |
| Actual output | None |
| Test result | True |
| Fail reason |  |
| Comment | INVALID TEST: CloudEOS router |kg-topology-CloudEosRR2| doesnt require cooling. |

## 9.4 Test Case: Test if system environment power are in spec

### 9.4.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 35 |
| Name | test\_if\_system\_environment\_power\_are\_in\_spec\_on\_ |
| Description | Verify system power environmentals are functional within spec |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | None |
| Expected output | [] |
| Actual output | [] |
| Test result | True |
| Fail reason |  |
| Comment | INVALID TEST: CloudEOS router |kg-topology-CloudEosRR1| doesnt have power-supplies. |

### 9.4.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 36 |
| Name | test\_if\_system\_environment\_power\_are\_in\_spec\_on\_ |
| Description | Verify system power environmentals are functional within spec |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | None |
| Expected output | [] |
| Actual output | [] |
| Test result | True |
| Fail reason |  |
| Comment | INVALID TEST: CloudEOS router |kg-topology-CloudEosRR2| doesnt have power-supplies. |

## 9.5 Test Case: Test if system environment temp is in spec

### 9.5.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 37 |
| Name | test\_if\_system\_environment\_temp\_is\_in\_spec\_on\_ |
| Description | Verify system temperature environmentals are functional within spec |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | None |
| Expected output | None |
| Actual output | None |
| Test result | True |
| Fail reason |  |
| Comment | INVALID TEST: CloudEOS router |kg-topology-CloudEosRR1| doesnt require cooling. |

### 9.5.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 38 |
| Name | test\_if\_system\_environment\_temp\_is\_in\_spec\_on\_ |
| Description | Verify system temperature environmentals are functional within spec |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | None |
| Expected output | None |
| Actual output | None |
| Test result | True |
| Fail reason |  |
| Comment | INVALID TEST: CloudEOS router |kg-topology-CloudEosRR2| doesnt require cooling. |

# 10. Detailed Test Suite Results: Filesystem

## 10.1 Test Case: Test if files

### 10.1.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 39 |
| Name | test\_if\_files\_on\_ |
| Description | Verify filesystem is correct and expected files are present |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | None |
| Expected output | [False, False, False] |
| Actual output | [False, False, False] |
| Test result | True |
| Fail reason |  |
| Comment | TEST is flash:startup-config file present on |kg-topology-CloudEosRR1|. GIVEN flash:startup-config file isDir state is: |False|. WHEN flash:startup-config file isDir state is |False|. THEN test case result is |True|. OUTPUT of |show file information flash:startup-config| is :  [{'output': 'flash:/startup-config:\n type is file\n'}]. TEST is flash:veos-config file present on |kg-topology-CloudEosRR1|. GIVEN flash:veos-config file isDir state is: |False|. WHEN flash:veos-config file isDir state is |False|. THEN test case result is |True|. OUTPUT of |show file information flash:veos-config| is :  [{'output': 'flash:/veos-config:\n type is file\n'}]. TEST is flash:zerotouch-config file present on |kg-topology-CloudEosRR1|. GIVEN flash:zerotouch-config file isDir state is: |False|. WHEN flash:zerotouch-config file isDir state is |False|. THEN test case result is |True|. OUTPUT of |show file information flash:zerotouch-config| is :  [{'output': 'flash:/zerotouch-config:\n type is file\n'}]. |

### 10.1.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 40 |
| Name | test\_if\_files\_on\_ |
| Description | Verify filesystem is correct and expected files are present |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | None |
| Expected output | [False, False, False] |
| Actual output | [False, False, False] |
| Test result | True |
| Fail reason |  |
| Comment | TEST is flash:startup-config file present on |kg-topology-CloudEosRR2|. GIVEN flash:startup-config file isDir state is: |False|. WHEN flash:startup-config file isDir state is |False|. THEN test case result is |True|. OUTPUT of |show file information flash:startup-config| is :  [{'output': 'flash:/startup-config:\n type is file\n'}]. TEST is flash:veos-config file present on |kg-topology-CloudEosRR2|. GIVEN flash:veos-config file isDir state is: |False|. WHEN flash:veos-config file isDir state is |False|. THEN test case result is |True|. OUTPUT of |show file information flash:veos-config| is :  [{'output': 'flash:/veos-config:\n type is file\n'}]. TEST is flash:zerotouch-config file present on |kg-topology-CloudEosRR2|. GIVEN flash:zerotouch-config file isDir state is: |False|. WHEN flash:zerotouch-config file isDir state is |False|. THEN test case result is |True|. OUTPUT of |show file information flash:zerotouch-config| is :  [{'output': 'flash:/zerotouch-config:\n type is file\n'}]. |

# 11. Detailed Test Suite Results: Host

## 11.1 Test Case: Test if hostname is correcet

### 11.1.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 41 |
| Name | test\_if\_hostname\_is\_correcet\_on\_ |
| Description | Verify hostname is set on device is correct |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show hostname |
| Expected output | kg-topology-CloudEosRR1 |
| Actual output | kg-topology-CloudEosRR1 |
| Test result | True |
| Fail reason |  |
| Comment | TEST is hostname correct. GIVEN hostname |kg-topology-CloudEosRR1|. WHEN hostname is |kg-topology-CloudEosRR1|. THEN test case result is |True|. OUTPUT of |show hostname| is :  Hostname: kg-topology-CloudEosRR1 FQDN: kg-topology-CloudEosRR1 |

### 11.1.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 42 |
| Name | test\_if\_hostname\_is\_correcet\_on\_ |
| Description | Verify hostname is set on device is correct |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show hostname |
| Expected output | kg-topology-CloudEosRR2 |
| Actual output | kg-topology-CloudEosRR2 |
| Test result | True |
| Fail reason |  |
| Comment | TEST is hostname correct. GIVEN hostname |kg-topology-CloudEosRR2|. WHEN hostname is |kg-topology-CloudEosRR2|. THEN test case result is |True|. OUTPUT of |show hostname| is :  Hostname: kg-topology-CloudEosRR2 FQDN: kg-topology-CloudEosRR2 |

# 12. Detailed Test Suite Results: Interface

## 12.1 Test Case: Test if interface errors

### 12.1.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 43 |
| Name | test\_if\_interface\_errors\_on\_ |
| Description | Verifies interfaces L1 errors (Rx, Giants, Tx, Runts, FCS, Align) |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show interfaces |
| Expected output | [0, 0, 0, 0, 0, 0] |
| Actual output | [0, 0, 0, 0, 0, 0] |
| Test result | True |
| Fail reason |  |
| Comment | TEST if interface |Ethernet1| Rx Errors is correct. GIVEN Rx errors is |0|. WHEN Rx errors is |0|. THEN test case result is |True|.  TEST if interface |Ethernet1| Giant Frames is correct. GIVEN Giant Frames is |0|. WHEN Giant Frames is |0|. THEN test case result is |True|.  TEST if interface |Ethernet1| Tx Errors is correct. GIVEN Tx Errors is |0|. WHEN Tx Errors is |0|. THEN test case result is |True|.  TEST if interface |Ethernet1| Runt Frames is correct. GIVEN Runt Frames is |0|. WHEN Runt Frames is |0|. THEN test case result is |True|.  TEST if interface |Ethernet1| FCS Errors is correct. GIVEN FCS Errors is |0|. WHEN FCS Errors is |0|. THEN test case result is |True|.  TEST if interface |Ethernet1| Alignment Errors is correct. GIVEN Alignment Errors is |0|. WHEN Alignment Errors is |0|. THEN test case result is |True|.  OUTPUT of |show interfaces| is :  Ethernet1 is up, line protocol is up (connected)  Hardware is Ethernet, address is 02df.de91.1b6c (bia 02df.de91.1b6c)  Internet address is 11.201.12.101/24  Broadcast address is 255.255.255.255  Address determined by DHCP  IP MTU 1500 bytes (default)  Full-duplex, Unconfigured, auto negotiation: off, uni-link: n/a  Up 90 days, 1 hour, 37 minutes, 49 seconds  Loopback Mode : None  3 link status changes since last clear  Last clearing of "show interface" counters never  5 minutes input rate 33.3 kbps (- with framing overhead), 32 packets/sec  5 minutes output rate 152 kbps (- with framing overhead), 40 packets/sec  171957025 packets input, 21300543750 bytes  Received 0 broadcasts, 0 multicast  0 runts, 0 giants  0 input errors, 0 CRC, 0 alignment, 0 symbol, 0 input discards  0 PAUSE input  192191599 packets output, 36166332954 bytes  Sent 0 broadcasts, 0 multicast  0 output errors, 0 collisions  0 late collision, 0 deferred, 0 output discards  0 PAUSE output Ethernet100 is up, line protocol is up (connected)  Hardware is Ethernet, address is 02df.de50.a8f9 (bia 02df.de50.a8f9)  Internet address is 11.201.8.1/22  Broadcast address is 255.255.255.255  IP MTU 1400 bytes , BW 10000000 kbit  Full-duplex, 10Gb/s, auto negotiation: off, uni-link: n/a  Up 90 days, 1 hour, 37 minutes, 47 seconds  Loopback Mode : None  3 link status changes since last clear  Last clearing of "show interface" counters never  5 minutes input rate 0 bps (0.0% with framing overhead), 0 packets/sec  5 minutes output rate 0 bps (0.0% with framing overhead), 0 packets/sec  0 packets input, 0 bytes  Received 0 broadcasts, 0 multicast  0 runts, 0 giants  0 input errors, 0 CRC, 0 alignment, 0 symbol, 0 input discards  0 PAUSE input  0 packets output, 0 bytes  Sent 0 broadcasts, 0 multicast  0 output errors, 0 collisions  0 late collision, 0 deferred, 0 output discards  0 PAUSE output Loopback0 is up, line protocol is up (connected)  Hardware is Loopback  Internet address is 11.201.0.3/32  Broadcast address is 255.255.255.255  IP MTU 65535 bytes (default)  Up 90 days, 1 hour, 35 minutes, 16 seconds Loopback10 is up, line protocol is up (connected)  Hardware is Loopback  Internet address is 198.18.0.103/24  Broadcast address is 255.255.255.255  IP MTU 65535 bytes (default)  Up 90 days, 1 hour, 38 minutes, 4 seconds . |

### 12.1.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 44 |
| Name | test\_if\_interface\_errors\_on\_ |
| Description | Verifies interfaces L1 errors (Rx, Giants, Tx, Runts, FCS, Align) |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show interfaces |
| Expected output | [0, 0, 0, 0, 0, 0] |
| Actual output | [0, 0, 0, 0, 0, 0] |
| Test result | True |
| Fail reason |  |
| Comment | TEST if interface |Ethernet1| Rx Errors is correct. GIVEN Rx errors is |0|. WHEN Rx errors is |0|. THEN test case result is |True|.  TEST if interface |Ethernet1| Giant Frames is correct. GIVEN Giant Frames is |0|. WHEN Giant Frames is |0|. THEN test case result is |True|.  TEST if interface |Ethernet1| Tx Errors is correct. GIVEN Tx Errors is |0|. WHEN Tx Errors is |0|. THEN test case result is |True|.  TEST if interface |Ethernet1| Runt Frames is correct. GIVEN Runt Frames is |0|. WHEN Runt Frames is |0|. THEN test case result is |True|.  TEST if interface |Ethernet1| FCS Errors is correct. GIVEN FCS Errors is |0|. WHEN FCS Errors is |0|. THEN test case result is |True|.  TEST if interface |Ethernet1| Alignment Errors is correct. GIVEN Alignment Errors is |0|. WHEN Alignment Errors is |0|. THEN test case result is |True|.  OUTPUT of |show interfaces| is :  Ethernet1 is up, line protocol is up (connected)  Hardware is Ethernet, address is 06aa.1ae9.e132 (bia 06aa.1ae9.e132)  Internet address is 11.201.13.101/24  Broadcast address is 255.255.255.255  Address determined by DHCP  IP MTU 1500 bytes (default)  Full-duplex, Unconfigured, auto negotiation: off, uni-link: n/a  Up 90 days, 1 hour, 37 minutes, 46 seconds  Loopback Mode : None  3 link status changes since last clear  Last clearing of "show interface" counters never  5 minutes input rate 32.8 kbps (- with framing overhead), 31 packets/sec  5 minutes output rate 146 kbps (- with framing overhead), 39 packets/sec  171654491 packets input, 21274634846 bytes  Received 0 broadcasts, 0 multicast  0 runts, 0 giants  0 input errors, 0 CRC, 0 alignment, 0 symbol, 0 input discards  0 PAUSE input  191882010 packets output, 35859605079 bytes  Sent 0 broadcasts, 0 multicast  0 output errors, 0 collisions  0 late collision, 0 deferred, 0 output discards  0 PAUSE output Ethernet100 is up, line protocol is up (connected)  Hardware is Ethernet, address is 06aa.1af7.287f (bia 06aa.1af7.287f)  Internet address is 11.201.8.1/22  Broadcast address is 255.255.255.255  IP MTU 1400 bytes , BW 10000000 kbit  Full-duplex, 10Gb/s, auto negotiation: off, uni-link: n/a  Up 90 days, 1 hour, 37 minutes, 44 seconds  Loopback Mode : None  3 link status changes since last clear  Last clearing of "show interface" counters never  5 minutes input rate 0 bps (0.0% with framing overhead), 0 packets/sec  5 minutes output rate 0 bps (0.0% with framing overhead), 0 packets/sec  0 packets input, 0 bytes  Received 0 broadcasts, 0 multicast  0 runts, 0 giants  0 input errors, 0 CRC, 0 alignment, 0 symbol, 0 input discards  0 PAUSE input  0 packets output, 0 bytes  Sent 0 broadcasts, 0 multicast  0 output errors, 0 collisions  0 late collision, 0 deferred, 0 output discards  0 PAUSE output Loopback0 is up, line protocol is up (connected)  Hardware is Loopback  Internet address is 11.201.0.4/32  Broadcast address is 255.255.255.255  IP MTU 65535 bytes (default)  Up 90 days, 1 hour, 35 minutes, 9 seconds Loopback10 is up, line protocol is up (connected)  Hardware is Loopback  Internet address is 198.18.0.104/24  Broadcast address is 255.255.255.255  IP MTU 65535 bytes (default)  Up 90 days, 1 hour, 38 minutes . |

## 12.2 Test Case: Test if interface in counters are discarding

### 12.2.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 45 |
| Name | test\_if\_intf\_in\_counters\_are\_discarding\_on\_ |
| Description | Verify the interfaces of interest have no inDiscards |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show interfaces counters discards |
| Expected output | [0] |
| Actual output | [0] |
| Test result | True |
| Fail reason |  |
| Comment | TEST if interface |Ethernet1| counters has inbound discards on |kg-topology-CloudEosRR1|. GIVEN interface inbound discards are |0|. WHEN interface inbound discards are |0|. THEN test case result is |True|.  OUTPUT of |show interfaces counters discards| is :  Port InDiscards OutDiscards  --------------- ---------------- -----------  Et1 0 0  Et100 0 0  --------- --------- ---------  Totals 0 0   . |

### 12.2.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 46 |
| Name | test\_if\_intf\_in\_counters\_are\_discarding\_on\_ |
| Description | Verify the interfaces of interest have no inDiscards |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show interfaces counters discards |
| Expected output | [0] |
| Actual output | [0] |
| Test result | True |
| Fail reason |  |
| Comment | TEST if interface |Ethernet1| counters has inbound discards on |kg-topology-CloudEosRR2|. GIVEN interface inbound discards are |0|. WHEN interface inbound discards are |0|. THEN test case result is |True|.  OUTPUT of |show interfaces counters discards| is :  Port InDiscards OutDiscards  --------------- ---------------- -----------  Et1 0 0  Et100 0 0  --------- --------- ---------  Totals 0 0   . |

## 12.3 Test Case: Test if interface link status is connected

### 12.3.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 47 |
| Name | test\_if\_intf\_link\_status\_is\_connected\_on\_ |
| Description | Verify the interfaces of interest link statuses are connected |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show interfaces status |
| Expected output | ['connected'] |
| Actual output | ['connected'] |
| Test result | True |
| Fail reason |  |
| Comment | TEST if interface |Ethernet1| link status on |kg-topology-CloudEosRR1|. GIVEN interface status is |connected|. WHEN interface status is |connected|. THEN test case result is |True|.  OUTPUT of |show interfaces status| is :  Port Name Status Vlan Duplex Speed Type Flags Encapsulation Et1 connected routed full unconf 10/100/1000  Et100 connected routed full 10G 10/100/1000   . |

### 12.3.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 48 |
| Name | test\_if\_intf\_link\_status\_is\_connected\_on\_ |
| Description | Verify the interfaces of interest link statuses are connected |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show interfaces status |
| Expected output | ['connected'] |
| Actual output | ['connected'] |
| Test result | True |
| Fail reason |  |
| Comment | TEST if interface |Ethernet1| link status on |kg-topology-CloudEosRR2|. GIVEN interface status is |connected|. WHEN interface status is |connected|. THEN test case result is |True|.  OUTPUT of |show interfaces status| is :  Port Name Status Vlan Duplex Speed Type Flags Encapsulation Et1 connected routed full unconf 10/100/1000  Et100 connected routed full 10G 10/100/1000   . |

## 12.4 Test Case: Test if interface mtu is correct

### 12.4.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 49 |
| Name | test\_if\_intf\_mtu\_is\_correct\_on\_ |
| Description | Verify the interfaces of interest MTU |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show interfaces |
| Expected output | [10178] |
| Actual output | [1500] |
| Test result | False |
| Fail reason | On interface |Ethernet1|: interface MTU is |1500|, correct MTU is |10178|. |
| Comment | TEST if interface |Ethernet1| MTU is correct on |kg-topology-CloudEosRR1|. GIVEN MTU of |10178|. WHEN interface MTU is |1500|. THEN test case result is |False|.  OUTPUT of |show interfaces| is :  Ethernet1 is up, line protocol is up (connected)  Hardware is Ethernet, address is 02df.de91.1b6c (bia 02df.de91.1b6c)  Internet address is 11.201.12.101/24  Broadcast address is 255.255.255.255  Address determined by DHCP  IP MTU 1500 bytes (default)  Full-duplex, Unconfigured, auto negotiation: off, uni-link: n/a  Up 90 days, 1 hour, 37 minutes, 49 seconds  Loopback Mode : None  3 link status changes since last clear  Last clearing of "show interface" counters never  5 minutes input rate 33.3 kbps (- with framing overhead), 32 packets/sec  5 minutes output rate 152 kbps (- with framing overhead), 40 packets/sec  171957025 packets input, 21300543750 bytes  Received 0 broadcasts, 0 multicast  0 runts, 0 giants  0 input errors, 0 CRC, 0 alignment, 0 symbol, 0 input discards  0 PAUSE input  192191599 packets output, 36166332954 bytes  Sent 0 broadcasts, 0 multicast  0 output errors, 0 collisions  0 late collision, 0 deferred, 0 output discards  0 PAUSE output Ethernet100 is up, line protocol is up (connected)  Hardware is Ethernet, address is 02df.de50.a8f9 (bia 02df.de50.a8f9)  Internet address is 11.201.8.1/22  Broadcast address is 255.255.255.255  IP MTU 1400 bytes , BW 10000000 kbit  Full-duplex, 10Gb/s, auto negotiation: off, uni-link: n/a  Up 90 days, 1 hour, 37 minutes, 47 seconds  Loopback Mode : None  3 link status changes since last clear  Last clearing of "show interface" counters never  5 minutes input rate 0 bps (0.0% with framing overhead), 0 packets/sec  5 minutes output rate 0 bps (0.0% with framing overhead), 0 packets/sec  0 packets input, 0 bytes  Received 0 broadcasts, 0 multicast  0 runts, 0 giants  0 input errors, 0 CRC, 0 alignment, 0 symbol, 0 input discards  0 PAUSE input  0 packets output, 0 bytes  Sent 0 broadcasts, 0 multicast  0 output errors, 0 collisions  0 late collision, 0 deferred, 0 output discards  0 PAUSE output Loopback0 is up, line protocol is up (connected)  Hardware is Loopback  Internet address is 11.201.0.3/32  Broadcast address is 255.255.255.255  IP MTU 65535 bytes (default)  Up 90 days, 1 hour, 35 minutes, 16 seconds Loopback10 is up, line protocol is up (connected)  Hardware is Loopback  Internet address is 198.18.0.103/24  Broadcast address is 255.255.255.255  IP MTU 65535 bytes (default)  Up 90 days, 1 hour, 38 minutes, 4 seconds . |

### 12.4.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 50 |
| Name | test\_if\_intf\_mtu\_is\_correct\_on\_ |
| Description | Verify the interfaces of interest MTU |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show interfaces |
| Expected output | [10178] |
| Actual output | [1500] |
| Test result | False |
| Fail reason | On interface |Ethernet1|: interface MTU is |1500|, correct MTU is |10178|. |
| Comment | TEST if interface |Ethernet1| MTU is correct on |kg-topology-CloudEosRR2|. GIVEN MTU of |10178|. WHEN interface MTU is |1500|. THEN test case result is |False|.  OUTPUT of |show interfaces| is :  Ethernet1 is up, line protocol is up (connected)  Hardware is Ethernet, address is 06aa.1ae9.e132 (bia 06aa.1ae9.e132)  Internet address is 11.201.13.101/24  Broadcast address is 255.255.255.255  Address determined by DHCP  IP MTU 1500 bytes (default)  Full-duplex, Unconfigured, auto negotiation: off, uni-link: n/a  Up 90 days, 1 hour, 37 minutes, 46 seconds  Loopback Mode : None  3 link status changes since last clear  Last clearing of "show interface" counters never  5 minutes input rate 32.8 kbps (- with framing overhead), 31 packets/sec  5 minutes output rate 146 kbps (- with framing overhead), 39 packets/sec  171654491 packets input, 21274634846 bytes  Received 0 broadcasts, 0 multicast  0 runts, 0 giants  0 input errors, 0 CRC, 0 alignment, 0 symbol, 0 input discards  0 PAUSE input  191882010 packets output, 35859605079 bytes  Sent 0 broadcasts, 0 multicast  0 output errors, 0 collisions  0 late collision, 0 deferred, 0 output discards  0 PAUSE output Ethernet100 is up, line protocol is up (connected)  Hardware is Ethernet, address is 06aa.1af7.287f (bia 06aa.1af7.287f)  Internet address is 11.201.8.1/22  Broadcast address is 255.255.255.255  IP MTU 1400 bytes , BW 10000000 kbit  Full-duplex, 10Gb/s, auto negotiation: off, uni-link: n/a  Up 90 days, 1 hour, 37 minutes, 44 seconds  Loopback Mode : None  3 link status changes since last clear  Last clearing of "show interface" counters never  5 minutes input rate 0 bps (0.0% with framing overhead), 0 packets/sec  5 minutes output rate 0 bps (0.0% with framing overhead), 0 packets/sec  0 packets input, 0 bytes  Received 0 broadcasts, 0 multicast  0 runts, 0 giants  0 input errors, 0 CRC, 0 alignment, 0 symbol, 0 input discards  0 PAUSE input  0 packets output, 0 bytes  Sent 0 broadcasts, 0 multicast  0 output errors, 0 collisions  0 late collision, 0 deferred, 0 output discards  0 PAUSE output Loopback0 is up, line protocol is up (connected)  Hardware is Loopback  Internet address is 11.201.0.4/32  Broadcast address is 255.255.255.255  IP MTU 65535 bytes (default)  Up 90 days, 1 hour, 35 minutes, 9 seconds Loopback10 is up, line protocol is up (connected)  Hardware is Loopback  Internet address is 198.18.0.104/24  Broadcast address is 255.255.255.255  IP MTU 65535 bytes (default)  Up 90 days, 1 hour, 38 minutes . |

## 12.5 Test Case: Test if interface out counters are discarding

### 12.5.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 51 |
| Name | test\_if\_intf\_out\_counters\_are\_discarding\_on\_ |
| Description | Verify the interfaces of interest have no outDiscards |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show interfaces counters discards |
| Expected output | [0] |
| Actual output | [0] |
| Test result | True |
| Fail reason |  |
| Comment | TEST if interface |Ethernet1| counters has outbound discards on |kg-topology-CloudEosRR1|. GIVEN interface outbound discards are |0| WHEN interface outbound discards are |0|. THEN test case result is |True|.  OUTPUT of |show interfaces counters discards| is :  Port InDiscards OutDiscards  --------------- ---------------- -----------  Et1 0 0  Et100 0 0  --------- --------- ---------  Totals 0 0   . |

### 12.5.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 52 |
| Name | test\_if\_intf\_out\_counters\_are\_discarding\_on\_ |
| Description | Verify the interfaces of interest have no outDiscards |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show interfaces counters discards |
| Expected output | [0] |
| Actual output | [0] |
| Test result | True |
| Fail reason |  |
| Comment | TEST if interface |Ethernet1| counters has outbound discards on |kg-topology-CloudEosRR2|. GIVEN interface outbound discards are |0| WHEN interface outbound discards are |0|. THEN test case result is |True|.  OUTPUT of |show interfaces counters discards| is :  Port InDiscards OutDiscards  --------------- ---------------- -----------  Et1 0 0  Et100 0 0  --------- --------- ---------  Totals 0 0   . |

## 12.6 Test Case: Test if interface phy status connected

### 12.6.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 53 |
| Name | test\_if\_intf\_phy\_status\_connected\_on\_ |
| Description | Verify the interfaces of interest link statuses are connected |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show interfaces phy detail |
| Expected output | linkUp |
| Actual output | None |
| Test result | True |
| Fail reason |  |
| Comment | |kg-topology-CloudEosRR1| is vEOS instance. Test is invalid. |

### 12.6.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 54 |
| Name | test\_if\_intf\_phy\_status\_connected\_on\_ |
| Description | Verify the interfaces of interest link statuses are connected |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show interfaces phy detail |
| Expected output | linkUp |
| Actual output | None |
| Test result | True |
| Fail reason |  |
| Comment | |kg-topology-CloudEosRR2| is vEOS instance. Test is invalid. |

## 12.7 Test Case: Test if interface protocol status is connected

### 12.7.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 55 |
| Name | test\_if\_intf\_protocol\_status\_is\_connected\_on\_ |
| Description | Verify the interfaces of interest protocol statuses are connected |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show interfaces status |
| Expected output | ['up'] |
| Actual output | ['up'] |
| Test result | True |
| Fail reason |  |
| Comment | TEST if interface |Ethernet1| link prootocol statuses on |kg-topology-CloudEosRR1|. GIVEN interface status is |up|. WHEN interface status is |up|. THEN test case result is |True|.  OUTPUT of |show interfaces status| is :  Port Name Status Vlan Duplex Speed Type Flags Encapsulation Et1 connected routed full unconf 10/100/1000  Et100 connected routed full 10G 10/100/1000   . |

### 12.7.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 56 |
| Name | test\_if\_intf\_protocol\_status\_is\_connected\_on\_ |
| Description | Verify the interfaces of interest protocol statuses are connected |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show interfaces status |
| Expected output | ['up'] |
| Actual output | ['up'] |
| Test result | True |
| Fail reason |  |
| Comment | TEST if interface |Ethernet1| link prootocol statuses on |kg-topology-CloudEosRR2|. GIVEN interface status is |up|. WHEN interface status is |up|. THEN test case result is |True|.  OUTPUT of |show interfaces status| is :  Port Name Status Vlan Duplex Speed Type Flags Encapsulation Et1 connected routed full unconf 10/100/1000  Et100 connected routed full 10G 10/100/1000   . |

## 12.8 Test Case: Test interface utilization

### 12.8.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 57 |
| Name | test\_interface\_utilization\_on\_ |
| Description | Verifies interfaces L1 errors (Rx, Giants, Tx, Runts, FCS, Align) |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show interfaces |
| Expected output | [True, True] |
| Actual output | [True, True] |
| Test result | True |
| Fail reason |  |
| Comment | TEST if interface |Ethernet1| input bw utilization is correct. GIVEN bw utilization is |70|. WHEN bw utilization is |0.00033315156585526554|. THEN test case result is |True|.  TEST if interface |Ethernet1| output bw utilization is correct. GIVEN bw utilization is |70|. WHEN bw utilization is |0.0015192223361249638|. THEN test case result is |True|.  OUTPUT of |show interfaces| is :  Ethernet1 is up, line protocol is up (connected)  Hardware is Ethernet, address is 02df.de91.1b6c (bia 02df.de91.1b6c)  Internet address is 11.201.12.101/24  Broadcast address is 255.255.255.255  Address determined by DHCP  IP MTU 1500 bytes (default)  Full-duplex, Unconfigured, auto negotiation: off, uni-link: n/a  Up 90 days, 1 hour, 37 minutes, 49 seconds  Loopback Mode : None  3 link status changes since last clear  Last clearing of "show interface" counters never  5 minutes input rate 33.3 kbps (- with framing overhead), 32 packets/sec  5 minutes output rate 152 kbps (- with framing overhead), 40 packets/sec  171957025 packets input, 21300543750 bytes  Received 0 broadcasts, 0 multicast  0 runts, 0 giants  0 input errors, 0 CRC, 0 alignment, 0 symbol, 0 input discards  0 PAUSE input  192191599 packets output, 36166332954 bytes  Sent 0 broadcasts, 0 multicast  0 output errors, 0 collisions  0 late collision, 0 deferred, 0 output discards  0 PAUSE output Ethernet100 is up, line protocol is up (connected)  Hardware is Ethernet, address is 02df.de50.a8f9 (bia 02df.de50.a8f9)  Internet address is 11.201.8.1/22  Broadcast address is 255.255.255.255  IP MTU 1400 bytes , BW 10000000 kbit  Full-duplex, 10Gb/s, auto negotiation: off, uni-link: n/a  Up 90 days, 1 hour, 37 minutes, 47 seconds  Loopback Mode : None  3 link status changes since last clear  Last clearing of "show interface" counters never  5 minutes input rate 0 bps (0.0% with framing overhead), 0 packets/sec  5 minutes output rate 0 bps (0.0% with framing overhead), 0 packets/sec  0 packets input, 0 bytes  Received 0 broadcasts, 0 multicast  0 runts, 0 giants  0 input errors, 0 CRC, 0 alignment, 0 symbol, 0 input discards  0 PAUSE input  0 packets output, 0 bytes  Sent 0 broadcasts, 0 multicast  0 output errors, 0 collisions  0 late collision, 0 deferred, 0 output discards  0 PAUSE output Loopback0 is up, line protocol is up (connected)  Hardware is Loopback  Internet address is 11.201.0.3/32  Broadcast address is 255.255.255.255  IP MTU 65535 bytes (default)  Up 90 days, 1 hour, 35 minutes, 16 seconds Loopback10 is up, line protocol is up (connected)  Hardware is Loopback  Internet address is 198.18.0.103/24  Broadcast address is 255.255.255.255  IP MTU 65535 bytes (default)  Up 90 days, 1 hour, 38 minutes, 4 seconds . |

### 12.8.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 58 |
| Name | test\_interface\_utilization\_on\_ |
| Description | Verifies interfaces L1 errors (Rx, Giants, Tx, Runts, FCS, Align) |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show interfaces |
| Expected output | [True, True] |
| Actual output | [True, True] |
| Test result | True |
| Fail reason |  |
| Comment | TEST if interface |Ethernet1| input bw utilization is correct. GIVEN bw utilization is |70|. WHEN bw utilization is |0.00032587170746775033|. THEN test case result is |True|.  TEST if interface |Ethernet1| output bw utilization is correct. GIVEN bw utilization is |70|. WHEN bw utilization is |0.001399565068887336|. THEN test case result is |True|.  OUTPUT of |show interfaces| is :  Ethernet1 is up, line protocol is up (connected)  Hardware is Ethernet, address is 06aa.1ae9.e132 (bia 06aa.1ae9.e132)  Internet address is 11.201.13.101/24  Broadcast address is 255.255.255.255  Address determined by DHCP  IP MTU 1500 bytes (default)  Full-duplex, Unconfigured, auto negotiation: off, uni-link: n/a  Up 90 days, 1 hour, 37 minutes, 46 seconds  Loopback Mode : None  3 link status changes since last clear  Last clearing of "show interface" counters never  5 minutes input rate 32.8 kbps (- with framing overhead), 31 packets/sec  5 minutes output rate 146 kbps (- with framing overhead), 39 packets/sec  171654491 packets input, 21274634846 bytes  Received 0 broadcasts, 0 multicast  0 runts, 0 giants  0 input errors, 0 CRC, 0 alignment, 0 symbol, 0 input discards  0 PAUSE input  191882010 packets output, 35859605079 bytes  Sent 0 broadcasts, 0 multicast  0 output errors, 0 collisions  0 late collision, 0 deferred, 0 output discards  0 PAUSE output Ethernet100 is up, line protocol is up (connected)  Hardware is Ethernet, address is 06aa.1af7.287f (bia 06aa.1af7.287f)  Internet address is 11.201.8.1/22  Broadcast address is 255.255.255.255  IP MTU 1400 bytes , BW 10000000 kbit  Full-duplex, 10Gb/s, auto negotiation: off, uni-link: n/a  Up 90 days, 1 hour, 37 minutes, 44 seconds  Loopback Mode : None  3 link status changes since last clear  Last clearing of "show interface" counters never  5 minutes input rate 0 bps (0.0% with framing overhead), 0 packets/sec  5 minutes output rate 0 bps (0.0% with framing overhead), 0 packets/sec  0 packets input, 0 bytes  Received 0 broadcasts, 0 multicast  0 runts, 0 giants  0 input errors, 0 CRC, 0 alignment, 0 symbol, 0 input discards  0 PAUSE input  0 packets output, 0 bytes  Sent 0 broadcasts, 0 multicast  0 output errors, 0 collisions  0 late collision, 0 deferred, 0 output discards  0 PAUSE output Loopback0 is up, line protocol is up (connected)  Hardware is Loopback  Internet address is 11.201.0.4/32  Broadcast address is 255.255.255.255  IP MTU 65535 bytes (default)  Up 90 days, 1 hour, 35 minutes, 9 seconds Loopback10 is up, line protocol is up (connected)  Hardware is Loopback  Internet address is 198.18.0.104/24  Broadcast address is 255.255.255.255  IP MTU 65535 bytes (default)  Up 90 days, 1 hour, 38 minutes . |

# 13. Detailed Test Suite Results: Lldp

## 13.1 Test Case: Test if lldp interface id is correct

### 13.1.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 59 |
| Name | test\_if\_lldp\_interface\_id\_is\_correct\_on\_ |
| Description | Verify show lldp local-info interfaceIdType is correct |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show lldp local-info |
| Expected output | ['interfaceName'] |
| Actual output | ['interfaceName'] |
| Test result | True |
| Fail reason |  |
| Comment | TEST if kg-topology-CloudEosRR1 LLDP interfaceIdType is correct on interface |Ethernet1|. GIVEN LLDP interfaceIdType is |interfaceName|. WHEN LLDP interfaceIdType is |interfaceName|. THEN test case result is |True|.  OUTPUT of |show lldp local-info| is :  Local System:  - Chassis ID type: MAC address (4)  Chassis ID : 02df.de50.a8f9  - System Name: "kg-topology-CloudEosRR1"  - System Description: "Arista Networks EOS version 4.24.0FX-cloud running on an Arista vEOS"  - System Capabilities : Bridge, Router  Enabled Capabilities: Bridge, Router  Interface Ethernet1:  - Port ID type: Interface name(5)  Port ID : "Ethernet1"  - Port Description: (empty)\*  - Management Address Subtype: IPv4   Management Address : 11.201.0.3  Interface Number Subtype : ifIndex (2)  Interface Number : 5000000  OID String :   - Management Address Subtype: IPv4   Management Address : 198.18.0.103  Interface Number Subtype : ifIndex (2)  Interface Number : 5000010  OID String :   - Management Address Subtype: IPv4   Management Address : 11.201.12.101  Interface Number Subtype : ifIndex (2)  Interface Number : 1  OID String :   - Management Address Subtype: IPv4   Management Address : 11.201.8.1  Interface Number Subtype : ifIndex (2)  Interface Number : 100  OID String :   - IEEE802.1 Port VLAN ID: 0  - IEEE802.1/IEEE802.3 Link Aggregation  Link Aggregation Status: Capable, Disabled (0x01)  Port ID : 0  - IEEE802.3 Maximum Frame Size: 9236 bytes  Interface Ethernet100:  - Port ID type: Interface name(5)  Port ID : "Ethernet100"  - Port Description: (empty)\*  - Management Address Subtype: IPv4   Management Address : 11.201.0.3  Interface Number Subtype : ifIndex (2)  Interface Number : 5000000  OID String :   - Management Address Subtype: IPv4   Management Address : 198.18.0.103  Interface Number Subtype : ifIndex (2)  Interface Number : 5000010  OID String :   - Management Address Subtype: IPv4   Management Address : 11.201.12.101  Interface Number Subtype : ifIndex (2)  Interface Number : 1  OID String :   - Management Address Subtype: IPv4   Management Address : 11.201.8.1  Interface Number Subtype : ifIndex (2)  Interface Number : 100  OID String :   - IEEE802.1 Port VLAN ID: 0  - IEEE802.1/IEEE802.3 Link Aggregation  Link Aggregation Status: Capable, Disabled (0x01)  Port ID : 0  - IEEE802.3 Maximum Frame Size: 9236 bytes . |

### 13.1.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 60 |
| Name | test\_if\_lldp\_interface\_id\_is\_correct\_on\_ |
| Description | Verify show lldp local-info interfaceIdType is correct |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show lldp local-info |
| Expected output | ['interfaceName'] |
| Actual output | ['interfaceName'] |
| Test result | True |
| Fail reason |  |
| Comment | TEST if kg-topology-CloudEosRR2 LLDP interfaceIdType is correct on interface |Ethernet1|. GIVEN LLDP interfaceIdType is |interfaceName|. WHEN LLDP interfaceIdType is |interfaceName|. THEN test case result is |True|.  OUTPUT of |show lldp local-info| is :  Local System:  - Chassis ID type: MAC address (4)  Chassis ID : 06aa.1af7.287f  - System Name: "kg-topology-CloudEosRR2"  - System Description: "Arista Networks EOS version 4.24.0FX-cloud running on an Arista vEOS"  - System Capabilities : Bridge, Router  Enabled Capabilities: Bridge, Router  Interface Ethernet1:  - Port ID type: Interface name(5)  Port ID : "Ethernet1"  - Port Description: (empty)\*  - Management Address Subtype: IPv4   Management Address : 11.201.0.4  Interface Number Subtype : ifIndex (2)  Interface Number : 5000000  OID String :   - Management Address Subtype: IPv4   Management Address : 198.18.0.104  Interface Number Subtype : ifIndex (2)  Interface Number : 5000010  OID String :   - Management Address Subtype: IPv4   Management Address : 11.201.13.101  Interface Number Subtype : ifIndex (2)  Interface Number : 1  OID String :   - Management Address Subtype: IPv4   Management Address : 11.201.8.1  Interface Number Subtype : ifIndex (2)  Interface Number : 100  OID String :   - IEEE802.1 Port VLAN ID: 0  - IEEE802.1/IEEE802.3 Link Aggregation  Link Aggregation Status: Capable, Disabled (0x01)  Port ID : 0  - IEEE802.3 Maximum Frame Size: 9236 bytes  Interface Ethernet100:  - Port ID type: Interface name(5)  Port ID : "Ethernet100"  - Port Description: (empty)\*  - Management Address Subtype: IPv4   Management Address : 11.201.0.4  Interface Number Subtype : ifIndex (2)  Interface Number : 5000000  OID String :   - Management Address Subtype: IPv4   Management Address : 198.18.0.104  Interface Number Subtype : ifIndex (2)  Interface Number : 5000010  OID String :   - Management Address Subtype: IPv4   Management Address : 11.201.13.101  Interface Number Subtype : ifIndex (2)  Interface Number : 1  OID String :   - Management Address Subtype: IPv4   Management Address : 11.201.8.1  Interface Number Subtype : ifIndex (2)  Interface Number : 100  OID String :   - IEEE802.1 Port VLAN ID: 0  - IEEE802.1/IEEE802.3 Link Aggregation  Link Aggregation Status: Capable, Disabled (0x01)  Port ID : 0  - IEEE802.3 Maximum Frame Size: 9236 bytes . |

## 13.2 Test Case: Test if lldp max frame size is correct

### 13.2.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 61 |
| Name | test\_if\_lldp\_max\_frame\_size\_is\_correct\_on\_ |
| Description | Verify show lldp local-info maxFrameSize is correct |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show lldp local-info |
| Expected output | [10200] |
| Actual output | [9236] |
| Test result | False |
| Fail reason | On interface |Ethernet1|: LLDP local-info maxFrameSize is |9236|, correct maxFrameSize is |10200|. |
| Comment | TEST if |kg-topology-CloudEosRR1| LLDP maxFrameSize is correct on interface |Ethernet1|. GIVEN LLDP maxFrameSize is |10200|. WHEN LLDP maxFrameSize is |9236|. THEN test case result is |False|.  OUTPUT of |show lldp local-info| is :  Local System:  - Chassis ID type: MAC address (4)  Chassis ID : 02df.de50.a8f9  - System Name: "kg-topology-CloudEosRR1"  - System Description: "Arista Networks EOS version 4.24.0FX-cloud running on an Arista vEOS"  - System Capabilities : Bridge, Router  Enabled Capabilities: Bridge, Router  Interface Ethernet1:  - Port ID type: Interface name(5)  Port ID : "Ethernet1"  - Port Description: (empty)\*  - Management Address Subtype: IPv4   Management Address : 11.201.0.3  Interface Number Subtype : ifIndex (2)  Interface Number : 5000000  OID String :   - Management Address Subtype: IPv4   Management Address : 198.18.0.103  Interface Number Subtype : ifIndex (2)  Interface Number : 5000010  OID String :   - Management Address Subtype: IPv4   Management Address : 11.201.12.101  Interface Number Subtype : ifIndex (2)  Interface Number : 1  OID String :   - Management Address Subtype: IPv4   Management Address : 11.201.8.1  Interface Number Subtype : ifIndex (2)  Interface Number : 100  OID String :   - IEEE802.1 Port VLAN ID: 0  - IEEE802.1/IEEE802.3 Link Aggregation  Link Aggregation Status: Capable, Disabled (0x01)  Port ID : 0  - IEEE802.3 Maximum Frame Size: 9236 bytes  Interface Ethernet100:  - Port ID type: Interface name(5)  Port ID : "Ethernet100"  - Port Description: (empty)\*  - Management Address Subtype: IPv4   Management Address : 11.201.0.3  Interface Number Subtype : ifIndex (2)  Interface Number : 5000000  OID String :   - Management Address Subtype: IPv4   Management Address : 198.18.0.103  Interface Number Subtype : ifIndex (2)  Interface Number : 5000010  OID String :   - Management Address Subtype: IPv4   Management Address : 11.201.12.101  Interface Number Subtype : ifIndex (2)  Interface Number : 1  OID String :   - Management Address Subtype: IPv4   Management Address : 11.201.8.1  Interface Number Subtype : ifIndex (2)  Interface Number : 100  OID String :   - IEEE802.1 Port VLAN ID: 0  - IEEE802.1/IEEE802.3 Link Aggregation  Link Aggregation Status: Capable, Disabled (0x01)  Port ID : 0  - IEEE802.3 Maximum Frame Size: 9236 bytes . |

### 13.2.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 62 |
| Name | test\_if\_lldp\_max\_frame\_size\_is\_correct\_on\_ |
| Description | Verify show lldp local-info maxFrameSize is correct |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show lldp local-info |
| Expected output | [10200] |
| Actual output | [9236] |
| Test result | False |
| Fail reason | On interface |Ethernet1|: LLDP local-info maxFrameSize is |9236|, correct maxFrameSize is |10200|. |
| Comment | TEST if |kg-topology-CloudEosRR2| LLDP maxFrameSize is correct on interface |Ethernet1|. GIVEN LLDP maxFrameSize is |10200|. WHEN LLDP maxFrameSize is |9236|. THEN test case result is |False|.  OUTPUT of |show lldp local-info| is :  Local System:  - Chassis ID type: MAC address (4)  Chassis ID : 06aa.1af7.287f  - System Name: "kg-topology-CloudEosRR2"  - System Description: "Arista Networks EOS version 4.24.0FX-cloud running on an Arista vEOS"  - System Capabilities : Bridge, Router  Enabled Capabilities: Bridge, Router  Interface Ethernet1:  - Port ID type: Interface name(5)  Port ID : "Ethernet1"  - Port Description: (empty)\*  - Management Address Subtype: IPv4   Management Address : 11.201.0.4  Interface Number Subtype : ifIndex (2)  Interface Number : 5000000  OID String :   - Management Address Subtype: IPv4   Management Address : 198.18.0.104  Interface Number Subtype : ifIndex (2)  Interface Number : 5000010  OID String :   - Management Address Subtype: IPv4   Management Address : 11.201.13.101  Interface Number Subtype : ifIndex (2)  Interface Number : 1  OID String :   - Management Address Subtype: IPv4   Management Address : 11.201.8.1  Interface Number Subtype : ifIndex (2)  Interface Number : 100  OID String :   - IEEE802.1 Port VLAN ID: 0  - IEEE802.1/IEEE802.3 Link Aggregation  Link Aggregation Status: Capable, Disabled (0x01)  Port ID : 0  - IEEE802.3 Maximum Frame Size: 9236 bytes  Interface Ethernet100:  - Port ID type: Interface name(5)  Port ID : "Ethernet100"  - Port Description: (empty)\*  - Management Address Subtype: IPv4   Management Address : 11.201.0.4  Interface Number Subtype : ifIndex (2)  Interface Number : 5000000  OID String :   - Management Address Subtype: IPv4   Management Address : 198.18.0.104  Interface Number Subtype : ifIndex (2)  Interface Number : 5000010  OID String :   - Management Address Subtype: IPv4   Management Address : 11.201.13.101  Interface Number Subtype : ifIndex (2)  Interface Number : 1  OID String :   - Management Address Subtype: IPv4   Management Address : 11.201.8.1  Interface Number Subtype : ifIndex (2)  Interface Number : 100  OID String :   - IEEE802.1 Port VLAN ID: 0  - IEEE802.1/IEEE802.3 Link Aggregation  Link Aggregation Status: Capable, Disabled (0x01)  Port ID : 0  - IEEE802.3 Maximum Frame Size: 9236 bytes . |

## 13.3 Test Case: Test if lldp rx is enabled

### 13.3.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 63 |
| Name | test\_if\_lldp\_rx\_is\_enabled\_on\_ |
| Description | Verify LLDP receive is enabled on interesting interfaces |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show lldp |
| Expected output | [True] |
| Actual output | [True] |
| Test result | True |
| Fail reason |  |
| Comment | TEST if interface |Ethernet1| LLDP receive is enabled on |kg-topology-CloudEosRR1|. GIVEN LLDP receive state is |True|. WHEN LLDP receive state is |True|. THEN test case result is |True|.  OUTPUT of |show lldp| is :  LLDP transmit interval : 30 seconds LLDP transmit holdtime : 120 seconds LLDP reinitialization delay : 2 seconds LLDP Management Address VRF : default  Enabled optional TLVs:  Port Description  System Name  System Description  System Capabilities  Management Address (best)  IEEE802.1 Port VLAN ID  IEEE802.3 Link Aggregation  IEEE802.3 Maximum Frame Size  IEEE802.3 Power Via MDI  LLDP-MED Capabilities  LLDP-MED Network Policy  Port Tx Enabled Rx Enabled  ----------- ---------------- ----------  Et1 Yes Yes  Et100 Yes Yes   . |

### 13.3.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 64 |
| Name | test\_if\_lldp\_rx\_is\_enabled\_on\_ |
| Description | Verify LLDP receive is enabled on interesting interfaces |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show lldp |
| Expected output | [True] |
| Actual output | [True] |
| Test result | True |
| Fail reason |  |
| Comment | TEST if interface |Ethernet1| LLDP receive is enabled on |kg-topology-CloudEosRR2|. GIVEN LLDP receive state is |True|. WHEN LLDP receive state is |True|. THEN test case result is |True|.  OUTPUT of |show lldp| is :  LLDP transmit interval : 30 seconds LLDP transmit holdtime : 120 seconds LLDP reinitialization delay : 2 seconds LLDP Management Address VRF : default  Enabled optional TLVs:  Port Description  System Name  System Description  System Capabilities  Management Address (best)  IEEE802.1 Port VLAN ID  IEEE802.3 Link Aggregation  IEEE802.3 Maximum Frame Size  IEEE802.3 Power Via MDI  LLDP-MED Capabilities  LLDP-MED Network Policy  Port Tx Enabled Rx Enabled  ----------- ---------------- ----------  Et1 Yes Yes  Et100 Yes Yes   . |

## 13.4 Test Case: Test if lldp system name is correct

### 13.4.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 65 |
| Name | test\_if\_lldp\_system\_name\_is\_correct\_on\_ |
| Description | Verify show lldp local-info hostname is the system's name |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show lldp local-info |
| Expected output | kg-topology-CloudEosRR1 |
| Actual output | kg-topology-CloudEosRR1 |
| Test result | True |
| Fail reason |  |
| Comment | TEST if lldp system name matches hostname on dut kg-topology-CloudEosRR1. GIVEN hostname is |kg-topology-CloudEosRR1|. WHEN LLDP system name is |kg-topology-CloudEosRR1|. THEN test case result is |True|. OUTPUT of |show lldp local-info| is:  Local System:  - Chassis ID type: MAC address (4)  Chassis ID : 02df.de50.a8f9  - System Name: "kg-topology-CloudEosRR1"  - System Description: "Arista Networks EOS version 4.24.0FX-cloud running on an Arista vEOS"  - System Capabilities : Bridge, Router  Enabled Capabilities: Bridge, Router  Interface Ethernet1:  - Port ID type: Interface name(5)  Port ID : "Ethernet1"  - Port Description: (empty)\*  - Management Address Subtype: IPv4   Management Address : 11.201.0.3  Interface Number Subtype : ifIndex (2)  Interface Number : 5000000  OID String :   - Management Address Subtype: IPv4   Management Address : 198.18.0.103  Interface Number Subtype : ifIndex (2)  Interface Number : 5000010  OID String :   - Management Address Subtype: IPv4   Management Address : 11.201.12.101  Interface Number Subtype : ifIndex (2)  Interface Number : 1  OID String :   - Management Address Subtype: IPv4   Management Address : 11.201.8.1  Interface Number Subtype : ifIndex (2)  Interface Number : 100  OID String :   - IEEE802.1 Port VLAN ID: 0  - IEEE802.1/IEEE802.3 Link Aggregation  Link Aggregation Status: Capable, Disabled (0x01)  Port ID : 0  - IEEE802.3 Maximum Frame Size: 9236 bytes  Interface Ethernet100:  - Port ID type: Interface name(5)  Port ID : "Ethernet100"  - Port Description: (empty)\*  - Management Address Subtype: IPv4   Management Address : 11.201.0.3  Interface Number Subtype : ifIndex (2)  Interface Number : 5000000  OID String :   - Management Address Subtype: IPv4   Management Address : 198.18.0.103  Interface Number Subtype : ifIndex (2)  Interface Number : 5000010  OID String :   - Management Address Subtype: IPv4   Management Address : 11.201.12.101  Interface Number Subtype : ifIndex (2)  Interface Number : 1  OID String :   - Management Address Subtype: IPv4   Management Address : 11.201.8.1  Interface Number Subtype : ifIndex (2)  Interface Number : 100  OID String :   - IEEE802.1 Port VLAN ID: 0  - IEEE802.1/IEEE802.3 Link Aggregation  Link Aggregation Status: Capable, Disabled (0x01)  Port ID : 0  - IEEE802.3 Maximum Frame Size: 9236 bytes |

### 13.4.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 66 |
| Name | test\_if\_lldp\_system\_name\_is\_correct\_on\_ |
| Description | Verify show lldp local-info hostname is the system's name |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show lldp local-info |
| Expected output | kg-topology-CloudEosRR2 |
| Actual output | kg-topology-CloudEosRR2 |
| Test result | True |
| Fail reason |  |
| Comment | TEST if lldp system name matches hostname on dut kg-topology-CloudEosRR2. GIVEN hostname is |kg-topology-CloudEosRR2|. WHEN LLDP system name is |kg-topology-CloudEosRR2|. THEN test case result is |True|. OUTPUT of |show lldp local-info| is:  Local System:  - Chassis ID type: MAC address (4)  Chassis ID : 06aa.1af7.287f  - System Name: "kg-topology-CloudEosRR2"  - System Description: "Arista Networks EOS version 4.24.0FX-cloud running on an Arista vEOS"  - System Capabilities : Bridge, Router  Enabled Capabilities: Bridge, Router  Interface Ethernet1:  - Port ID type: Interface name(5)  Port ID : "Ethernet1"  - Port Description: (empty)\*  - Management Address Subtype: IPv4   Management Address : 11.201.0.4  Interface Number Subtype : ifIndex (2)  Interface Number : 5000000  OID String :   - Management Address Subtype: IPv4   Management Address : 198.18.0.104  Interface Number Subtype : ifIndex (2)  Interface Number : 5000010  OID String :   - Management Address Subtype: IPv4   Management Address : 11.201.13.101  Interface Number Subtype : ifIndex (2)  Interface Number : 1  OID String :   - Management Address Subtype: IPv4   Management Address : 11.201.8.1  Interface Number Subtype : ifIndex (2)  Interface Number : 100  OID String :   - IEEE802.1 Port VLAN ID: 0  - IEEE802.1/IEEE802.3 Link Aggregation  Link Aggregation Status: Capable, Disabled (0x01)  Port ID : 0  - IEEE802.3 Maximum Frame Size: 9236 bytes  Interface Ethernet100:  - Port ID type: Interface name(5)  Port ID : "Ethernet100"  - Port Description: (empty)\*  - Management Address Subtype: IPv4   Management Address : 11.201.0.4  Interface Number Subtype : ifIndex (2)  Interface Number : 5000000  OID String :   - Management Address Subtype: IPv4   Management Address : 198.18.0.104  Interface Number Subtype : ifIndex (2)  Interface Number : 5000010  OID String :   - Management Address Subtype: IPv4   Management Address : 11.201.13.101  Interface Number Subtype : ifIndex (2)  Interface Number : 1  OID String :   - Management Address Subtype: IPv4   Management Address : 11.201.8.1  Interface Number Subtype : ifIndex (2)  Interface Number : 100  OID String :   - IEEE802.1 Port VLAN ID: 0  - IEEE802.1/IEEE802.3 Link Aggregation  Link Aggregation Status: Capable, Disabled (0x01)  Port ID : 0  - IEEE802.3 Maximum Frame Size: 9236 bytes |

## 13.5 Test Case: Test if lldp tx is enabled

### 13.5.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 67 |
| Name | test\_if\_lldp\_tx\_is\_enabled\_on\_ |
| Description | Verify LLDP transmit is enabled on interesting interfaces |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show lldp |
| Expected output | [True] |
| Actual output | [True] |
| Test result | True |
| Fail reason |  |
| Comment | TEST if interface |Ethernet1| LLDP receive is enabled on |kg-topology-CloudEosRR1|. GIVEN LLDP receive state is |True|. WHEN LLDP receive state is |True|. THEN test case result is |True|.  OUTPUT of |show lldp| is :  LLDP transmit interval : 30 seconds LLDP transmit holdtime : 120 seconds LLDP reinitialization delay : 2 seconds LLDP Management Address VRF : default  Enabled optional TLVs:  Port Description  System Name  System Description  System Capabilities  Management Address (best)  IEEE802.1 Port VLAN ID  IEEE802.3 Link Aggregation  IEEE802.3 Maximum Frame Size  IEEE802.3 Power Via MDI  LLDP-MED Capabilities  LLDP-MED Network Policy  Port Tx Enabled Rx Enabled  ----------- ---------------- ----------  Et1 Yes Yes  Et100 Yes Yes   . |

### 13.5.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 68 |
| Name | test\_if\_lldp\_tx\_is\_enabled\_on\_ |
| Description | Verify LLDP transmit is enabled on interesting interfaces |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show lldp |
| Expected output | [True] |
| Actual output | [True] |
| Test result | True |
| Fail reason |  |
| Comment | TEST if interface |Ethernet1| LLDP receive is enabled on |kg-topology-CloudEosRR2|. GIVEN LLDP receive state is |True|. WHEN LLDP receive state is |True|. THEN test case result is |True|.  OUTPUT of |show lldp| is :  LLDP transmit interval : 30 seconds LLDP transmit holdtime : 120 seconds LLDP reinitialization delay : 2 seconds LLDP Management Address VRF : default  Enabled optional TLVs:  Port Description  System Name  System Description  System Capabilities  Management Address (best)  IEEE802.1 Port VLAN ID  IEEE802.3 Link Aggregation  IEEE802.3 Maximum Frame Size  IEEE802.3 Power Via MDI  LLDP-MED Capabilities  LLDP-MED Network Policy  Port Tx Enabled Rx Enabled  ----------- ---------------- ----------  Et1 Yes Yes  Et100 Yes Yes   . |

# 14. Detailed Test Suite Results: Logging

## 14.1 Test Case: Test if log messages appear

### 14.1.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 69 |
| Name | test\_if\_log\_messages\_appear\_on\_ |
| Description | Verify local log messages |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show logging |
| Expected output | [False, False, False, False, False] |
| Actual output | [False, False, False, False, False] |
| Test result | True |
| Fail reason |  |
| Comment | Test for log message |critical| on |kg-topology-CloudEosRR1|. GIVEN message presence is |False|. WHEN message presence is |False|. THEN test case result is |True|.  Test for log message |warning| on |kg-topology-CloudEosRR1|. GIVEN message presence is |False|. WHEN message presence is |False|. THEN test case result is |True|.  Test for log message |ECC| on |kg-topology-CloudEosRR1|. GIVEN message presence is |False|. WHEN message presence is |False|. THEN test case result is |True|.  Test for log message |servers errors| on |kg-topology-CloudEosRR1|. GIVEN message presence is |False|. WHEN message presence is |False|. THEN test case result is |True|.  Test for log message |parity| on |kg-topology-CloudEosRR1|. GIVEN message presence is |False|. WHEN message presence is |False|. THEN test case result is |True|.  OUTPUT of |show logging| is :  Syslog logging: enabled  Buffer logging: level debugging  Console logging: level errors  Persistent logging: disabled  Monitor logging: level errors  Synchronous logging: disabled  Trap logging: level informational  Sequence numbers: disabled  Syslog facility: local4  Hostname format: Hostname only  Repeat logging interval: disabled  Repeat messages: disabled  Facility Severity Effective Severity -------------------- ------------- ------------------ aaa debugging debugging  accounting debugging debugging  acl debugging debugging  agent debugging debugging  ale debugging debugging  arp debugging debugging  bfd debugging debugging  bgp debugging debugging  bmp debugging debugging  capacity debugging debugging  capi debugging debugging  clear debugging debugging  cvx debugging debugging  dataplane debugging debugging  dhcp debugging debugging  dot1x debugging debugging  dscp debugging debugging  envmon debugging debugging  eth debugging debugging  eventmon debugging debugging  extension debugging debugging  fhrp debugging debugging  flow debugging debugging  forwarding debugging debugging  fru debugging debugging  fwk debugging debugging  gmp debugging debugging  hardware debugging debugging  health debugging debugging  httpservice debugging debugging  igmp debugging debugging  igmpsnooping debugging debugging  int debugging debugging  intf debugging debugging  ip6routing debugging debugging  iprib debugging debugging  ira debugging debugging  isis debugging debugging  kernelfib debugging debugging  lacp debugging debugging  lag debugging debugging  launcher debugging debugging  ldp debugging debugging  license debugging debugging  lineproto debugging debugging  lldp debugging debugging  loadbalancer debugging debugging  logmgr debugging debugging  loopback debugging debugging  loopprotect debugging debugging  mapreducemonitor debugging debugging  mcs debugging debugging  mirroring debugging debugging  mka debugging debugging  mlag debugging debugging  mldsnooping debugging debugging  mmode debugging debugging  mroute debugging debugging  mrp debugging debugging  msdp debugging debugging  msrp debugging debugging  msspolicymonitor debugging debugging  mvrp debugging debugging  nat debugging debugging  openconfig debugging debugging  openflow debugging debugging  ospf debugging debugging  ospf3 debugging debugging  package debugging debugging  pfc debugging debugging  pimbsr debugging debugging  portsecurity debugging debugging  ptp debugging debugging  pwrmgmt debugging debugging  qos debugging debugging  queuemonitor debugging debugging  radius debugging debugging  redundancy debugging debugging  rib debugging debugging  routing debugging debugging  security debugging debugging  servermonitor debugging debugging  spantree debugging debugging  sso debugging debugging  stagemgr debugging debugging  sys debugging debugging  sysdb debugging debugging  tapagg debugging debugging  tcp debugging debugging  transceiver debugging debugging  tunnel debugging debugging  tunnelintf debugging debugging  vmtracersess debugging debugging  vmwarevi debugging debugging  vmwarevs debugging debugging  vrf debugging debugging  vrrp debugging debugging  vxlan debugging debugging  xmpp debugging debugging  ztp debugging debugging   Log Buffer: Jan 7 17:38:26 kg-topology-CloudEosRR1 Aaa: %AAA-5-LOGIN: user kgrozis logged in [from: 173.79.124.35] [service: command-api] Jan 7 17:38:41 kg-topology-CloudEosRR1 Aaa: %AAA-5-LOGOUT: user kgrozis logged out [from: 173.79.124.35] [service: command-api] Jan 7 17:38:55 kg-topology-CloudEosRR1 Aaa: %AAA-5-LOGIN: user kgrozis logged in [from: 173.79.124.35] [service: command-api] Jan 7 17:39:07 kg-topology-CloudEosRR1 Aaa: %AAA-5-LOGOUT: user kgrozis logged out [from: 173.79.124.35] [service: command-api] Jan 7 17:39:08 kg-topology-CloudEosRR1 Aaa: %AAA-5-LOGIN: user kgrozis logged in [from: 173.79.124.35] [service: command-api] Jan 7 17:39:22 kg-topology-CloudEosRR1 Aaa: %AAA-5-LOGOUT: user kgrozis logged out [from: 173.79.124.35] [service: command-api] Jan 7 17:41:52 kg-topology-CloudEosRR1 Aaa: %AAA-5-LOGIN: user kgrozis logged in [from: 173.79.124.35] [service: command-api] Jan 7 17:42:04 kg-topology-CloudEosRR1 Aaa: %AAA-5-LOGOUT: user kgrozis logged out [from: 173.79.124.35] [service: command-api] Jan 7 17:42:04 kg-topology-CloudEosRR1 Aaa: %AAA-5-LOGIN: user kgrozis logged in [from: 173.79.124.35] [service: command-api] Jan 7 17:42:19 kg-topology-CloudEosRR1 Aaa: %AAA-5-LOGOUT: user kgrozis logged out [from: 173.79.124.35] [service: command-api] Jan 7 17:42:39 kg-topology-CloudEosRR1 Aaa: %AAA-5-LOGIN: user kgrozis logged in [from: 173.79.124.35] [service: command-api] Jan 7 17:42:51 kg-topology-CloudEosRR1 Aaa: %AAA-5-LOGOUT: user kgrozis logged out [from: 173.79.124.35] [service: command-api] Jan 7 17:42:52 kg-topology-CloudEosRR1 Aaa: %AAA-5-LOGIN: user kgrozis logged in [from: 173.79.124.35] [service: command-api] Jan 7 17:43:06 kg-topology-CloudEosRR1 Aaa: %AAA-5-LOGOUT: user kgrozis logged out [from: 173.79.124.35] [service: command-api] Jan 7 17:43:25 kg-topology-CloudEosRR1 Aaa: %AAA-5-LOGIN: user kgrozis logged in [from: 173.79.124.35] [service: command-api] Jan 7 17:43:38 kg-topology-CloudEosRR1 Aaa: %AAA-5-LOGOUT: user kgrozis logged out [from: 173.79.124.35] [service: command-api] Jan 7 17:43:39 kg-topology-CloudEosRR1 Aaa: %AAA-5-LOGIN: user kgrozis logged in [from: 173.79.124.35] [service: command-api] Jan 7 17:43:55 kg-topology-CloudEosRR1 Aaa: %AAA-5-LOGOUT: user kgrozis logged out [from: 173.79.124.35] [service: command-api] Jan 7 17:44:16 kg-topology-CloudEosRR1 Aaa: %AAA-5-LOGIN: user kgrozis logged in [from: 173.79.124.35] [service: command-api] Jan 7 17:44:29 kg-topology-CloudEosRR1 Aaa: %AAA-5-LOGOUT: user kgrozis logged out [from: 173.79.124.35] [service: command-api] Jan 7 17:44:29 kg-topology-CloudEosRR1 Aaa: %AAA-5-LOGIN: user kgrozis logged in [from: 173.79.124.35] [service: command-api] Jan 7 17:44:44 kg-topology-CloudEosRR1 Aaa: %AAA-5-LOGOUT: user kgrozis logged out [from: 173.79.124.35] [service: command-api] Jan 7 17:45:18 kg-topology-CloudEosRR1 Aaa: %AAA-5-LOGIN: user kgrozis logged in [from: 173.79.124.35] [service: command-api] Jan 7 17:45:30 kg-topology-CloudEosRR1 Aaa: %AAA-5-LOGOUT: user kgrozis logged out [from: 173.79.124.35] [service: command-api] Jan 7 17:45:31 kg-topology-CloudEosRR1 Aaa: %AAA-5-LOGIN: user kgrozis logged in [from: 173.79.124.35] [service: command-api] Jan 7 17:45:45 kg-topology-CloudEosRR1 Aaa: %AAA-5-LOGOUT: user kgrozis logged out [from: 173.79.124.35] [service: command-api] Jan 7 17:47:05 kg-topology-CloudEosRR1 Aaa: %AAA-5-LOGIN: user kgrozis logged in [from: 173.79.124.35] [service: command-api] Jan 7 17:47:18 kg-topology-CloudEosRR1 Aaa: %AAA-5-LOGOUT: user kgrozis logged out [from: 173.79.124.35] [service: command-api] Jan 7 17:47:18 kg-topology-CloudEosRR1 Aaa: %AAA-5-LOGIN: user kgrozis logged in [from: 173.79.124.35] [service: command-api] Jan 7 17:47:32 kg-topology-CloudEosRR1 Aaa: %AAA-5-LOGOUT: user kgrozis logged out [from: 173.79.124.35] [service: command-api] Jan 7 17:47:58 kg-topology-CloudEosRR1 Aaa: %AAA-5-LOGOUT: user kgrozis logged out [from: 173.79.124.35] [service: sshd] Jan 7 17:48:28 kg-topology-CloudEosRR1 Aaa: %AAA-5-LOGIN: user kgrozis logged in [from: 173.79.124.35] [service: command-api] . |

### 14.1.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 70 |
| Name | test\_if\_log\_messages\_appear\_on\_ |
| Description | Verify local log messages |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show logging |
| Expected output | [False, False, False, False, False] |
| Actual output | [False, False, False, False, False] |
| Test result | True |
| Fail reason |  |
| Comment | Test for log message |critical| on |kg-topology-CloudEosRR2|. GIVEN message presence is |False|. WHEN message presence is |False|. THEN test case result is |True|.  Test for log message |warning| on |kg-topology-CloudEosRR2|. GIVEN message presence is |False|. WHEN message presence is |False|. THEN test case result is |True|.  Test for log message |ECC| on |kg-topology-CloudEosRR2|. GIVEN message presence is |False|. WHEN message presence is |False|. THEN test case result is |True|.  Test for log message |servers errors| on |kg-topology-CloudEosRR2|. GIVEN message presence is |False|. WHEN message presence is |False|. THEN test case result is |True|.  Test for log message |parity| on |kg-topology-CloudEosRR2|. GIVEN message presence is |False|. WHEN message presence is |False|. THEN test case result is |True|.  OUTPUT of |show logging| is :  Syslog logging: enabled  Buffer logging: level debugging  Console logging: level errors  Persistent logging: disabled  Monitor logging: level errors  Synchronous logging: disabled  Trap logging: level informational  Sequence numbers: disabled  Syslog facility: local4  Hostname format: Hostname only  Repeat logging interval: disabled  Repeat messages: disabled  Facility Severity Effective Severity -------------------- ------------- ------------------ aaa debugging debugging  accounting debugging debugging  acl debugging debugging  agent debugging debugging  ale debugging debugging  arp debugging debugging  bfd debugging debugging  bgp debugging debugging  bmp debugging debugging  capacity debugging debugging  capi debugging debugging  clear debugging debugging  cvx debugging debugging  dataplane debugging debugging  dhcp debugging debugging  dot1x debugging debugging  dscp debugging debugging  envmon debugging debugging  eth debugging debugging  eventmon debugging debugging  extension debugging debugging  fhrp debugging debugging  flow debugging debugging  forwarding debugging debugging  fru debugging debugging  fwk debugging debugging  gmp debugging debugging  hardware debugging debugging  health debugging debugging  httpservice debugging debugging  igmp debugging debugging  igmpsnooping debugging debugging  int debugging debugging  intf debugging debugging  ip6routing debugging debugging  iprib debugging debugging  ira debugging debugging  isis debugging debugging  kernelfib debugging debugging  lacp debugging debugging  lag debugging debugging  launcher debugging debugging  ldp debugging debugging  license debugging debugging  lineproto debugging debugging  lldp debugging debugging  loadbalancer debugging debugging  logmgr debugging debugging  loopback debugging debugging  loopprotect debugging debugging  mapreducemonitor debugging debugging  mcs debugging debugging  mirroring debugging debugging  mka debugging debugging  mlag debugging debugging  mldsnooping debugging debugging  mmode debugging debugging  mroute debugging debugging  mrp debugging debugging  msdp debugging debugging  msrp debugging debugging  msspolicymonitor debugging debugging  mvrp debugging debugging  nat debugging debugging  openconfig debugging debugging  openflow debugging debugging  ospf debugging debugging  ospf3 debugging debugging  package debugging debugging  pfc debugging debugging  pimbsr debugging debugging  portsecurity debugging debugging  ptp debugging debugging  pwrmgmt debugging debugging  qos debugging debugging  queuemonitor debugging debugging  radius debugging debugging  redundancy debugging debugging  rib debugging debugging  routing debugging debugging  security debugging debugging  servermonitor debugging debugging  spantree debugging debugging  sso debugging debugging  stagemgr debugging debugging  sys debugging debugging  sysdb debugging debugging  tapagg debugging debugging  tcp debugging debugging  transceiver debugging debugging  tunnel debugging debugging  tunnelintf debugging debugging  vmtracersess debugging debugging  vmwarevi debugging debugging  vmwarevs debugging debugging  vrf debugging debugging  vrrp debugging debugging  vxlan debugging debugging  xmpp debugging debugging  ztp debugging debugging   Log Buffer: Jan 7 17:38:25 kg-topology-CloudEosRR2 Aaa: %AAA-5-LOGOUT: user kgrozis logged out [from: 173.79.124.35] [service: command-api] Jan 7 17:38:34 kg-topology-CloudEosRR2 Aaa: %AAA-5-LOGIN: user kgrozis logged in [from: 173.79.124.35] [service: command-api] Jan 7 17:38:47 kg-topology-CloudEosRR2 Aaa: %AAA-5-LOGOUT: user kgrozis logged out [from: 173.79.124.35] [service: command-api] Jan 7 17:38:55 kg-topology-CloudEosRR2 Aaa: %AAA-5-LOGIN: user kgrozis logged in [from: 173.79.124.35] [service: command-api] Jan 7 17:39:07 kg-topology-CloudEosRR2 Aaa: %AAA-5-LOGOUT: user kgrozis logged out [from: 173.79.124.35] [service: command-api] Jan 7 17:39:15 kg-topology-CloudEosRR2 Aaa: %AAA-5-LOGIN: user kgrozis logged in [from: 173.79.124.35] [service: command-api] Jan 7 17:39:30 kg-topology-CloudEosRR2 Aaa: %AAA-5-LOGOUT: user kgrozis logged out [from: 173.79.124.35] [service: command-api] Jan 7 17:41:52 kg-topology-CloudEosRR2 Aaa: %AAA-5-LOGIN: user kgrozis logged in [from: 173.79.124.35] [service: command-api] Jan 7 17:42:04 kg-topology-CloudEosRR2 Aaa: %AAA-5-LOGOUT: user kgrozis logged out [from: 173.79.124.35] [service: command-api] Jan 7 17:42:12 kg-topology-CloudEosRR2 Aaa: %AAA-5-LOGIN: user kgrozis logged in [from: 173.79.124.35] [service: command-api] Jan 7 17:42:25 kg-topology-CloudEosRR2 Aaa: %AAA-5-LOGOUT: user kgrozis logged out [from: 173.79.124.35] [service: command-api] Jan 7 17:42:39 kg-topology-CloudEosRR2 Aaa: %AAA-5-LOGIN: user kgrozis logged in [from: 173.79.124.35] [service: command-api] Jan 7 17:42:51 kg-topology-CloudEosRR2 Aaa: %AAA-5-LOGOUT: user kgrozis logged out [from: 173.79.124.35] [service: command-api] Jan 7 17:43:00 kg-topology-CloudEosRR2 Aaa: %AAA-5-LOGIN: user kgrozis logged in [from: 173.79.124.35] [service: command-api] Jan 7 17:43:12 kg-topology-CloudEosRR2 Aaa: %AAA-5-LOGOUT: user kgrozis logged out [from: 173.79.124.35] [service: command-api] Jan 7 17:43:25 kg-topology-CloudEosRR2 Aaa: %AAA-5-LOGIN: user kgrozis logged in [from: 173.79.124.35] [service: command-api] Jan 7 17:43:38 kg-topology-CloudEosRR2 Aaa: %AAA-5-LOGOUT: user kgrozis logged out [from: 173.79.124.35] [service: command-api] Jan 7 17:43:48 kg-topology-CloudEosRR2 Aaa: %AAA-5-LOGIN: user kgrozis logged in [from: 173.79.124.35] [service: command-api] Jan 7 17:44:01 kg-topology-CloudEosRR2 Aaa: %AAA-5-LOGOUT: user kgrozis logged out [from: 173.79.124.35] [service: command-api] Jan 7 17:44:16 kg-topology-CloudEosRR2 Aaa: %AAA-5-LOGIN: user kgrozis logged in [from: 173.79.124.35] [service: command-api] Jan 7 17:44:29 kg-topology-CloudEosRR2 Aaa: %AAA-5-LOGOUT: user kgrozis logged out [from: 173.79.124.35] [service: command-api] Jan 7 17:44:38 kg-topology-CloudEosRR2 Aaa: %AAA-5-LOGIN: user kgrozis logged in [from: 173.79.124.35] [service: command-api] Jan 7 17:44:50 kg-topology-CloudEosRR2 Aaa: %AAA-5-LOGOUT: user kgrozis logged out [from: 173.79.124.35] [service: command-api] Jan 7 17:45:18 kg-topology-CloudEosRR2 Aaa: %AAA-5-LOGIN: user kgrozis logged in [from: 173.79.124.35] [service: command-api] Jan 7 17:45:30 kg-topology-CloudEosRR2 Aaa: %AAA-5-LOGOUT: user kgrozis logged out [from: 173.79.124.35] [service: command-api] Jan 7 17:45:39 kg-topology-CloudEosRR2 Aaa: %AAA-5-LOGIN: user kgrozis logged in [from: 173.79.124.35] [service: command-api] Jan 7 17:45:51 kg-topology-CloudEosRR2 Aaa: %AAA-5-LOGOUT: user kgrozis logged out [from: 173.79.124.35] [service: command-api] Jan 7 17:47:05 kg-topology-CloudEosRR2 Aaa: %AAA-5-LOGIN: user kgrozis logged in [from: 173.79.124.35] [service: command-api] Jan 7 17:47:18 kg-topology-CloudEosRR2 Aaa: %AAA-5-LOGOUT: user kgrozis logged out [from: 173.79.124.35] [service: command-api] Jan 7 17:47:25 kg-topology-CloudEosRR2 Aaa: %AAA-5-LOGIN: user kgrozis logged in [from: 173.79.124.35] [service: command-api] Jan 7 17:47:38 kg-topology-CloudEosRR2 Aaa: %AAA-5-LOGOUT: user kgrozis logged out [from: 173.79.124.35] [service: command-api] Jan 7 17:48:28 kg-topology-CloudEosRR2 Aaa: %AAA-5-LOGIN: user kgrozis logged in [from: 173.79.124.35] [service: command-api] . |

# 15. Detailed Test Suite Results: Api

## 15.1 Test Case: Test if management http api server is running

### 15.1.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 71 |
| Name | test\_if\_management\_http\_api\_server\_is\_running\_on\_ |
| Description | Verify management api http server is not running |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show management api http-commands |
| Expected output | False |
| Actual output | False |
| Test result | True |
| Fail reason |  |
| Comment | TEST is HTTP API running on |kg-topology-CloudEosRR1|.  GIVEN HTTP API enabled is |False|. WHEN HTTP API enabled is |False|. THEN test case result is |True|. OUTPUT of |show management api http-commands| is :  Enabled: Yes HTTPS server: running, set to use port 443 HTTP server: shutdown, set to use port 80 Local HTTP server: shutdown, no authentication, set to use port 8080 Unix Socket server: shutdown, no authentication VRFs: default Hits: 3123 Last hit: 0 seconds ago Bytes in: 1324322 Bytes out: 84864442 Requests: 2207 Commands: 23286 Duration: 1700.271 seconds SSL Profile: none FIPS Mode: No QoS DSCP: 0 Log Level: none CSP Frame Ancestor: None TLS Protocols: 1.0 1.1 1.2  User Requests Bytes in Bytes out Last hit  ------------- -------------- -------------- --------------- -------------   kgrozis 2207 1324322 84864442 0 seconds ago   URLs  ---------------------------------------  Ethernet1 : https://11.201.12.101:443  Ethernet100 : https://11.201.8.1:443  Loopback0 : https://11.201.0.3:443  Loopback10 : https://198.18.0.103:443 |

### 15.1.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 72 |
| Name | test\_if\_management\_http\_api\_server\_is\_running\_on\_ |
| Description | Verify management api http server is not running |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show management api http-commands |
| Expected output | False |
| Actual output | False |
| Test result | True |
| Fail reason |  |
| Comment | TEST is HTTP API running on |kg-topology-CloudEosRR2|.  GIVEN HTTP API enabled is |False|. WHEN HTTP API enabled is |False|. THEN test case result is |True|. OUTPUT of |show management api http-commands| is :  Enabled: Yes HTTPS server: running, set to use port 443 HTTP server: shutdown, set to use port 80 Local HTTP server: shutdown, no authentication, set to use port 8080 Unix Socket server: shutdown, no authentication VRFs: default Hits: 2331 Last hit: 0 seconds ago Bytes in: 1038447 Bytes out: 64691571 Requests: 1648 Commands: 18005 Duration: 1367.603 seconds SSL Profile: none FIPS Mode: No QoS DSCP: 0 Log Level: none CSP Frame Ancestor: None TLS Protocols: 1.0 1.1 1.2  User Requests Bytes in Bytes out Last hit  ------------- -------------- -------------- --------------- -------------   kgrozis 1648 1038447 64691571 0 seconds ago   URLs  ---------------------------------------  Ethernet1 : https://11.201.13.101:443  Ethernet100 : https://11.201.8.1:443  Loopback0 : https://11.201.0.4:443  Loopback10 : https://198.18.0.104:443 |

## 15.2 Test Case: Test if management https api server is enabled

### 15.2.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 73 |
| Name | test\_if\_management\_https\_api\_server\_is\_enabled\_on\_ |
| Description | Verify management api https server is enabled |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show management api http-commands |
| Expected output | True |
| Actual output | True |
| Test result | True |
| Fail reason |  |
| Comment | TEST is HTTPS API enabled on |kg-topology-CloudEosRR1|.  GIVEN HTTPS API enabled is |True|. WHEN HTTPS API enabled is |True|. THEN test case result is |True|. OUTPUT of |show management api http-commands| is :  Enabled: Yes HTTPS server: running, set to use port 443 HTTP server: shutdown, set to use port 80 Local HTTP server: shutdown, no authentication, set to use port 8080 Unix Socket server: shutdown, no authentication VRFs: default Hits: 3121 Last hit: 0 seconds ago Bytes in: 1322998 Bytes out: 84744851 Requests: 2205 Commands: 23240 Duration: 1697.512 seconds SSL Profile: none FIPS Mode: No QoS DSCP: 0 Log Level: none CSP Frame Ancestor: None TLS Protocols: 1.0 1.1 1.2  User Requests Bytes in Bytes out Last hit  ------------- -------------- -------------- --------------- -------------   kgrozis 2205 1322998 84744851 0 seconds ago   URLs  ---------------------------------------  Ethernet1 : https://11.201.12.101:443  Ethernet100 : https://11.201.8.1:443  Loopback0 : https://11.201.0.3:443  Loopback10 : https://198.18.0.103:443 |

### 15.2.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 74 |
| Name | test\_if\_management\_https\_api\_server\_is\_enabled\_on\_ |
| Description | Verify management api https server is enabled |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show management api http-commands |
| Expected output | True |
| Actual output | True |
| Test result | True |
| Fail reason |  |
| Comment | TEST is HTTPS API enabled on |kg-topology-CloudEosRR2|.  GIVEN HTTPS API enabled is |True|. WHEN HTTPS API enabled is |True|. THEN test case result is |True|. OUTPUT of |show management api http-commands| is :  Enabled: Yes HTTPS server: running, set to use port 443 HTTP server: shutdown, set to use port 80 Local HTTP server: shutdown, no authentication, set to use port 8080 Unix Socket server: shutdown, no authentication VRFs: default Hits: 2331 Last hit: 0 seconds ago Bytes in: 1038447 Bytes out: 64691571 Requests: 1648 Commands: 18005 Duration: 1367.603 seconds SSL Profile: none FIPS Mode: No QoS DSCP: 0 Log Level: none CSP Frame Ancestor: None TLS Protocols: 1.0 1.1 1.2  User Requests Bytes in Bytes out Last hit  ------------- -------------- -------------- --------------- -------------   kgrozis 1648 1038447 64691571 0 seconds ago   URLs  ---------------------------------------  Ethernet1 : https://11.201.13.101:443  Ethernet100 : https://11.201.8.1:443  Loopback0 : https://11.201.0.4:443  Loopback10 : https://198.18.0.104:443 |

## 15.3 Test Case: Test if management https api server is running

### 15.3.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 75 |
| Name | test\_if\_management\_https\_api\_server\_is\_running\_on\_ |
| Description | Verify management api https server is running |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show management api http-commands |
| Expected output | True |
| Actual output | True |
| Test result | True |
| Fail reason |  |
| Comment | TEST is HTTPS API running on |kg-topology-CloudEosRR1|.  GIVEN HTTPS API state is |True|. WHEN HTTPS API state is |True|. THEN test case result is |True|. OUTPUT of |show management api http-commands| is :  Enabled: Yes HTTPS server: running, set to use port 443 HTTP server: shutdown, set to use port 80 Local HTTP server: shutdown, no authentication, set to use port 8080 Unix Socket server: shutdown, no authentication VRFs: default Hits: 3123 Last hit: 0 seconds ago Bytes in: 1324322 Bytes out: 84864442 Requests: 2207 Commands: 23286 Duration: 1700.271 seconds SSL Profile: none FIPS Mode: No QoS DSCP: 0 Log Level: none CSP Frame Ancestor: None TLS Protocols: 1.0 1.1 1.2  User Requests Bytes in Bytes out Last hit  ------------- -------------- -------------- --------------- -------------   kgrozis 2207 1324322 84864442 0 seconds ago   URLs  ---------------------------------------  Ethernet1 : https://11.201.12.101:443  Ethernet100 : https://11.201.8.1:443  Loopback0 : https://11.201.0.3:443  Loopback10 : https://198.18.0.103:443 |

### 15.3.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 76 |
| Name | test\_if\_management\_https\_api\_server\_is\_running\_on\_ |
| Description | Verify management api https server is running |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show management api http-commands |
| Expected output | True |
| Actual output | True |
| Test result | True |
| Fail reason |  |
| Comment | TEST is HTTPS API running on |kg-topology-CloudEosRR2|.  GIVEN HTTPS API state is |True|. WHEN HTTPS API state is |True|. THEN test case result is |True|. OUTPUT of |show management api http-commands| is :  Enabled: Yes HTTPS server: running, set to use port 443 HTTP server: shutdown, set to use port 80 Local HTTP server: shutdown, no authentication, set to use port 8080 Unix Socket server: shutdown, no authentication VRFs: default Hits: 2331 Last hit: 0 seconds ago Bytes in: 1038447 Bytes out: 64691571 Requests: 1648 Commands: 18005 Duration: 1367.603 seconds SSL Profile: none FIPS Mode: No QoS DSCP: 0 Log Level: none CSP Frame Ancestor: None TLS Protocols: 1.0 1.1 1.2  User Requests Bytes in Bytes out Last hit  ------------- -------------- -------------- --------------- -------------   kgrozis 1648 1038447 64691571 0 seconds ago   URLs  ---------------------------------------  Ethernet1 : https://11.201.13.101:443  Ethernet100 : https://11.201.8.1:443  Loopback0 : https://11.201.0.4:443  Loopback10 : https://198.18.0.104:443 |

## 15.4 Test Case: Test if management https api server port is correct

### 15.4.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 77 |
| Name | test\_if\_management\_https\_api\_server\_port\_is\_correct\_on\_ |
| Description | Verify https server is enabled on port 443 |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show management api http-commands |
| Expected output | 443 |
| Actual output | 443 |
| Test result | True |
| Fail reason |  |
| Comment | TEST is HTTPS API port on |kg-topology-CloudEosRR1|.  GIVEN HTTPS API port is |443|. WHEN HTTPS API port is |443|. THEN test case result is |True|. OUTPUT of |show management api http-commands| is :  Enabled: Yes HTTPS server: running, set to use port 443 HTTP server: shutdown, set to use port 80 Local HTTP server: shutdown, no authentication, set to use port 8080 Unix Socket server: shutdown, no authentication VRFs: default Hits: 3123 Last hit: 0 seconds ago Bytes in: 1324322 Bytes out: 84864442 Requests: 2207 Commands: 23286 Duration: 1700.271 seconds SSL Profile: none FIPS Mode: No QoS DSCP: 0 Log Level: none CSP Frame Ancestor: None TLS Protocols: 1.0 1.1 1.2  User Requests Bytes in Bytes out Last hit  ------------- -------------- -------------- --------------- -------------   kgrozis 2207 1324322 84864442 0 seconds ago   URLs  ---------------------------------------  Ethernet1 : https://11.201.12.101:443  Ethernet100 : https://11.201.8.1:443  Loopback0 : https://11.201.0.3:443  Loopback10 : https://198.18.0.103:443 |

### 15.4.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 78 |
| Name | test\_if\_management\_https\_api\_server\_port\_is\_correct\_on\_ |
| Description | Verify https server is enabled on port 443 |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show management api http-commands |
| Expected output | 443 |
| Actual output | 443 |
| Test result | True |
| Fail reason |  |
| Comment | TEST is HTTPS API port on |kg-topology-CloudEosRR2|.  GIVEN HTTPS API port is |443|. WHEN HTTPS API port is |443|. THEN test case result is |True|. OUTPUT of |show management api http-commands| is :  Enabled: Yes HTTPS server: running, set to use port 443 HTTP server: shutdown, set to use port 80 Local HTTP server: shutdown, no authentication, set to use port 8080 Unix Socket server: shutdown, no authentication VRFs: default Hits: 2331 Last hit: 0 seconds ago Bytes in: 1038447 Bytes out: 64691571 Requests: 1648 Commands: 18005 Duration: 1367.603 seconds SSL Profile: none FIPS Mode: No QoS DSCP: 0 Log Level: none CSP Frame Ancestor: None TLS Protocols: 1.0 1.1 1.2  User Requests Bytes in Bytes out Last hit  ------------- -------------- -------------- --------------- -------------   kgrozis 1648 1038447 64691571 0 seconds ago   URLs  ---------------------------------------  Ethernet1 : https://11.201.13.101:443  Ethernet100 : https://11.201.8.1:443  Loopback0 : https://11.201.0.4:443  Loopback10 : https://198.18.0.104:443 |

## 15.5 Test Case: Test if management local http api server is running

### 15.5.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 79 |
| Name | test\_if\_management\_local\_http\_api\_server\_is\_running\_on\_ |
| Description | Verify management api local httpserver is not running |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show management api http-commands |
| Expected output | False |
| Actual output | False |
| Test result | True |
| Fail reason |  |
| Comment | TEST is local HTTP API running on |kg-topology-CloudEosRR1|.  GIVEN local HTTP API enabled is |False|. WHEN local HTTP API enabled is |False|. THEN test case result is |True|. OUTPUT of |show management api http-commands| is :  Enabled: Yes HTTPS server: running, set to use port 443 HTTP server: shutdown, set to use port 80 Local HTTP server: shutdown, no authentication, set to use port 8080 Unix Socket server: shutdown, no authentication VRFs: default Hits: 3123 Last hit: 0 seconds ago Bytes in: 1324322 Bytes out: 84864442 Requests: 2207 Commands: 23286 Duration: 1700.271 seconds SSL Profile: none FIPS Mode: No QoS DSCP: 0 Log Level: none CSP Frame Ancestor: None TLS Protocols: 1.0 1.1 1.2  User Requests Bytes in Bytes out Last hit  ------------- -------------- -------------- --------------- -------------   kgrozis 2207 1324322 84864442 0 seconds ago   URLs  ---------------------------------------  Ethernet1 : https://11.201.12.101:443  Ethernet100 : https://11.201.8.1:443  Loopback0 : https://11.201.0.3:443  Loopback10 : https://198.18.0.103:443 |

### 15.5.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 80 |
| Name | test\_if\_management\_local\_http\_api\_server\_is\_running\_on\_ |
| Description | Verify management api local httpserver is not running |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show management api http-commands |
| Expected output | False |
| Actual output | False |
| Test result | True |
| Fail reason |  |
| Comment | TEST is local HTTP API running on |kg-topology-CloudEosRR2|.  GIVEN local HTTP API enabled is |False|. WHEN local HTTP API enabled is |False|. THEN test case result is |True|. OUTPUT of |show management api http-commands| is :  Enabled: Yes HTTPS server: running, set to use port 443 HTTP server: shutdown, set to use port 80 Local HTTP server: shutdown, no authentication, set to use port 8080 Unix Socket server: shutdown, no authentication VRFs: default Hits: 2331 Last hit: 0 seconds ago Bytes in: 1038447 Bytes out: 64691571 Requests: 1648 Commands: 18005 Duration: 1367.603 seconds SSL Profile: none FIPS Mode: No QoS DSCP: 0 Log Level: none CSP Frame Ancestor: None TLS Protocols: 1.0 1.1 1.2  User Requests Bytes in Bytes out Last hit  ------------- -------------- -------------- --------------- -------------   kgrozis 1648 1038447 64691571 0 seconds ago   URLs  ---------------------------------------  Ethernet1 : https://11.201.13.101:443  Ethernet100 : https://11.201.8.1:443  Loopback0 : https://11.201.0.4:443  Loopback10 : https://198.18.0.104:443 |

# 16. Detailed Test Suite Results: Ntp

## 16.1 Test Case: Test if ntp associated with peers

### 16.1.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 81 |
| Name | test\_if\_ntp\_associated\_with\_peers\_on\_ |
| Description | Verify ntp peers are correct |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show ntp associations |
| Expected output | 1 |
| Actual output | 1 |
| Test result | True |
| Fail reason |  |
| Comment | TEST is NTP associations with peers on |kg-topology-CloudEosRR1|. GIVEN associated are greater than or equal to |1|. WHEN NTP associated peers are |1|. THEN test case result is |True|. OUTPUT of |show ntp associations| is:  remote refid st t when poll reach delay offset jitter ============================================================================== \*169.254.169.123 169.254.169.12 3 l 454 1024 377 0.14 0.052 0.048 . |

### 16.1.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 82 |
| Name | test\_if\_ntp\_associated\_with\_peers\_on\_ |
| Description | Verify ntp peers are correct |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show ntp associations |
| Expected output | 1 |
| Actual output | 1 |
| Test result | True |
| Fail reason |  |
| Comment | TEST is NTP associations with peers on |kg-topology-CloudEosRR2|. GIVEN associated are greater than or equal to |1|. WHEN NTP associated peers are |1|. THEN test case result is |True|. OUTPUT of |show ntp associations| is:  remote refid st t when poll reach delay offset jitter ============================================================================== \*169.254.169.123 169.254.169.12 3 l 180 1024 377 0.14 0.083 0.038 . |

## 16.2 Test Case: Test if ntp is synchronized

### 16.2.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 83 |
| Name | test\_if\_ntp\_is\_synchronized\_on\_ |
| Description | Verify ntp is setup and working correctly |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show ntp status |
| Expected output | synchronised |
| Actual output | synchronised |
| Test result | True |
| Fail reason |  |
| Comment | TEST is NTP synchronized on |kg-topology-CloudEosRR1|. GIVEN NTP synchronized is |synchronised|. WHEN NTP synchronized is |synchronised|. THEN test case result is |True|. OUTPUT of |show ntp status| is: synchronised to NTP server (169.254.169.123) at stratum 4  time correct to within 26 ms  polling server every 1024 s  . |

### 16.2.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 84 |
| Name | test\_if\_ntp\_is\_synchronized\_on\_ |
| Description | Verify ntp is setup and working correctly |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show ntp status |
| Expected output | synchronised |
| Actual output | synchronised |
| Test result | True |
| Fail reason |  |
| Comment | TEST is NTP synchronized on |kg-topology-CloudEosRR2|. GIVEN NTP synchronized is |synchronised|. WHEN NTP synchronized is |synchronised|. THEN test case result is |True|. OUTPUT of |show ntp status| is: synchronised to NTP server (169.254.169.123) at stratum 4  time correct to within 19 ms  polling server every 1024 s  . |

## 16.3 Test Case: Test if ntp servers are reachable

### 16.3.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 85 |
| Name | test\_if\_ntp\_servers\_are\_reachable\_on\_ |
| Description | Verifies NTP servers are reachable via ping |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | None |
| Expected output | [True] |
| Actual output | [False] |
| Test result | False |
| Fail reason | On router |kg-topology-CloudEosRR1|, verifying NTP server reachability for |169.254.169.123| is |False|. |
| Comment | TEST NTP servers are reachable on |kg-topology-CloudEosRR1| GIVEN server |169.254.169.123|. WHEN exception is |bytes from| string. THEN test case result is |False|. OUTPUT of |ping 169.254.169.123| is :  PING 169.254.169.123 (169.254.169.123) 72(100) bytes of data.  --- 169.254.169.123 ping statistics --- 5 packets transmitted, 0 received, 100% packet loss, time 40ms  . |

### 16.3.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 86 |
| Name | test\_if\_ntp\_servers\_are\_reachable\_on\_ |
| Description | Verifies NTP servers are reachable via ping |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | None |
| Expected output | [True] |
| Actual output | [False] |
| Test result | False |
| Fail reason | On router |kg-topology-CloudEosRR2|, verifying NTP server reachability for |169.254.169.123| is |False|. |
| Comment | TEST NTP servers are reachable on |kg-topology-CloudEosRR2| GIVEN server |169.254.169.123|. WHEN exception is |bytes from| string. THEN test case result is |False|. OUTPUT of |ping 169.254.169.123| is :  PING 169.254.169.123 (169.254.169.123) 72(100) bytes of data.  --- 169.254.169.123 ping statistics --- 5 packets transmitted, 0 received, 100% packet loss, time 40ms  . |

## 16.4 Test Case: Test if process is running

### 16.4.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 87 |
| Name | test\_if\_process\_is\_running\_on\_ |
| Description | Verify processes are running |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show processes |
| Expected output | 1 |
| Actual output | 1 |
| Test result | True |
| Fail reason |  |
| Comment | TEST is ntpd running on |kg-topology-CloudEosRR1|. GIVEN ntpd number is |1|. WHEN ntpd number is |1|. THEN test case result is |True|. OUTPUT of |show processes| is:  17:48:36 up 90 days, 1:39, 0 users, load average: 1.28, 1.52, 1.45  PID %CPU %MEM TT STAT STARTED TIME CMD  1928 102 3.4 ? Sl Oct 09 92-03:12:19 Sfe  1678 0.4 2.0 ? Sl Oct 09 08:42:28 /usr/bin/TerminAttr -cvaddr=apiserver.arista.io:443 -cvcompression=gzip -cvauth=token-secure,/tmp/token -smashexcludes=ale,flexCounter,hardware,kni,pulse,strata-ingestexclude=/Sysdb/cell/1/agent,/Sysdb/cell/2/agent -cvvrf=default -cvsourceip=11.201.12.101 -taillogs -grpcaddr=0.0.0.0:6042 21844 0.2 0.6 ? SNl Dec 28 00:35:20 python2.7 /var/awslogs/bin/aws logs push --config-file /mnt/flash/awslogs/awslogs.conf --additional-configs-dir /mnt/flash/awslogs/config  1231 0.1 0.9 ? S Oct 09 04:06:34 ProcMgr-worker  1545 0.1 7.1 ? Sl Oct 09 02:57:40 ConfigAgent  1 0.0 0.0 ? Ss Oct 09 00:12:41 /sbin/init  2 0.0 0.0 ? S Oct 09 00:00:00 [kthreadd]  3 0.0 0.0 ? S Oct 09 00:01:08 [ksoftirqd/0]  5 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/0:0H]  7 0.0 0.0 ? S Oct 09 00:02:07 [rcu\_preempt]  8 0.0 0.0 ? S Oct 09 00:00:00 [rcu\_sched]  9 0.0 0.0 ? S Oct 09 00:00:00 [rcu\_bh]  10 0.0 0.0 ? S Oct 09 00:00:00 [migration/0]  11 0.0 0.0 ? S< Oct 09 00:00:00 [lru-add-drain]  12 0.0 0.0 ? S Oct 09 00:00:02 [watchdog/0]  13 0.0 0.0 ? S Oct 09 00:00:00 [cpuhp/0]  14 0.0 0.0 ? S Oct 09 00:00:00 [cpuhp/1]  15 0.0 0.0 ? S Oct 09 00:00:03 [watchdog/1]  16 0.0 0.0 ? S Oct 09 00:00:00 [migration/1]  17 0.0 0.0 ? S Oct 09 00:00:00 [ksoftirqd/1]  18 0.0 0.0 ? S Oct 09 00:00:00 [kworker/1:0]  19 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/1:0H]  20 0.0 0.0 ? S Oct 09 00:00:00 [cpuhp/2]  21 0.0 0.0 ? S Oct 09 00:00:00 [watchdog/2]  22 0.0 0.0 ? S Oct 09 00:00:00 [migration/2]  23 0.0 0.0 ? S Oct 09 00:00:00 [ksoftirqd/2]  24 0.0 0.0 ? S Oct 09 00:00:00 [kworker/2:0]  25 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/2:0H]  26 0.0 0.0 ? S Oct 09 00:00:00 [cpuhp/3]  27 0.0 0.0 ? S Oct 09 00:00:00 [watchdog/3]  28 0.0 0.0 ? S Oct 09 00:00:00 [migration/3]  29 0.0 0.0 ? S Oct 09 00:00:00 [ksoftirqd/3]  30 0.0 0.0 ? S Oct 09 00:00:00 [kworker/3:0]  31 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/3:0H]  32 0.0 0.0 ? S Oct 09 00:00:00 [kdevtmpfs]  33 0.0 0.0 ? S< Oct 09 00:00:00 [netns]  34 0.0 0.0 ? S Oct 09 00:00:00 [khungtaskd]  35 0.0 0.0 ? S Oct 09 00:03:39 [khungtaskd2]  36 0.0 0.0 ? S Oct 09 00:00:00 [oom\_reaper]  37 0.0 0.0 ? S< Oct 09 00:00:00 [writeback]  38 0.0 0.0 ? S Oct 09 00:00:00 [kcompactd0]  39 0.0 0.0 ? S< Oct 09 00:00:00 [crypto]  40 0.0 0.0 ? S< Oct 09 00:00:00 [kintegrityd]  41 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  42 0.0 0.0 ? S< Oct 09 00:00:00 [kblockd]  43 0.0 0.0 ? S< Oct 09 00:00:00 [ata\_sff]  44 0.0 0.0 ? S< Oct 09 00:00:00 [edac-poller]  45 0.0 0.0 ? S Oct 09 00:00:00 [dst\_gc\_task]  46 0.0 0.0 ? S< Oct 09 00:00:00 [watchdogd]  47 0.0 0.0 ? S Oct 09 00:00:00 [arp\_cache-prd]  49 0.0 0.0 ? S Oct 09 00:00:00 [icmp\_unreachabl]  50 0.0 0.0 ? S< Oct 09 00:00:00 [rpciod]  51 0.0 0.0 ? S< Oct 09 00:00:00 [xprtiod]  52 0.0 0.0 ? S Oct 09 00:00:00 [kswapd0]  53 0.0 0.0 ? S< Oct 09 00:00:00 [vmstat]  54 0.0 0.0 ? S< Oct 09 00:00:00 [nfsiod]  63 0.0 0.0 ? S< Oct 09 00:00:00 [pcielwd]  64 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  65 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  66 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  67 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  68 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  69 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  70 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  71 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  72 0.0 0.0 ? S< Oct 09 00:00:00 [nvme]  74 0.0 0.0 ? S Oct 09 00:00:00 [ndisc\_cache-prd]  75 0.0 0.0 ? S< Oct 09 00:00:00 [ipv6\_addrconf]  76 0.0 0.0 ? S< Oct 09 00:00:00 [ecc\_log\_wq]  124 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  125 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  171 0.0 0.0 ? S Oct 09 00:00:01 [jbd2/nvme0n1p1-]  172 0.0 0.0 ? S< Oct 09 00:00:00 [ext4-rsv-conver]  247 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/0:1H]  272 0.0 0.0 ? S< Oct 09 00:00:00 [loop0]  383 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/lib/systemd/systemd-udevd  414 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/sbin/lvmetad -f  506 0.0 0.0 ? S< Oct 09 00:00:00 [ena]  679 0.0 0.0 ? S Oct 09 00:00:00 [kworker/1:1]  733 0.0 0.0 ? Ss Oct 09 00:02:39 /usr/bin/ProcMonitor  749 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/sbin/mcelog --ignorenodev --daemon --foreground  751 0.0 0.0 ? Ss Oct 09 00:03:36 /usr/lib/systemd/systemd-logind  755 0.0 0.1 ? Ss Oct 09 00:07:38 /usr/bin/dbus-daemon --system --address=systemd: --nofork --nopidfile --systemd-activation  778 0.0 0.0 ? Ss Oct 09 00:00:27 /usr/sbin/xinetd -stayalive -pidfile /var/run/xinetd.pid  849 0.0 0.0 ? Ss Oct 09 00:00:43 /usr/sbin/crond -n  868 0.0 0.0 ? S<s Oct 09 00:00:58 /usr/bin/wdogdev -t 60  986 0.0 0.0 ? S Oct 09 00:00:00 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/local.new . && mv /mnt/flash/persist/local.new /mnt/flash/persist/local || logger -t SetupPersist Failed to update /mnt/flash/persist/local --daemon --logfile=/var/log/inotifyrun-local.log --pidfile=/var/run/inotifyrun-local.pid /persist/local  988 0.0 0.0 pts/0 Ss+ Oct 09 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1001 0.0 0.0 ? S Oct 09 00:00:07 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/sys.new . && mv /mnt/flash/persist/sys.new /mnt/flash/persist/sys || logger -t SetupPersist Failed to update /mnt/flash/persist/sys --daemon --logfile=/var/log/inotifyrun-sys.log --pidfile=/var/run/inotifyrun-sys.pid /persist/sys  1005 0.0 0.0 pts/1 Ss+ Oct 09 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1016 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/bin/SaveFossil --dedup --compress --priority Sysdb --maxFiles 1000 /var/tmp/Fossil /mnt/flash/Fossil  1021 0.0 0.0 ? S Oct 09 00:00:00 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/secure.new . && sync && ( mv /mnt/flash/persist/secure /mnt/flash/persist/secure.old; mv /mnt/flash/persist/secure.new /mnt/flash/persist/secure; sync ) && ( scrub --no-signature /mnt/flash/persist/secure.old; rm /mnt/flash/persist/secure.old ) || logger -t SetupPersist Failed to update /mnt/flash/persist/secure --daemon --logfile=/var/log/inotifyrun-secure.log --pidfile=/var/run/inotifyrun-secure.pid /persist/secure  1022 0.0 0.0 pts/2 Ss+ Oct 09 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1053 0.0 0.0 ? Ss Oct 09 00:00:00 /bin/bash /usr/sbin/core\_annotate\_util daemon  1177 0.0 0.1 ? S Oct 09 00:00:00 python /bin/immortalize --daemonize --log=/var/log/agents/ConnMgr --logappend --logpidsuffix --maxcredits=5 --cost=1 --immortalizepidfile=/var/run/ImmortalizeConnMgr.pid /usr/bin/ConnMgr -p /var/run/ConnMgr.pid  1178 0.0 0.1 ? S Oct 09 00:00:00 /usr/bin/ConnMgr -p /var/run/ConnMgr.pid  1211 0.0 0.0 ? S Oct 09 00:00:00 inotifywait -e modify /var/lib/rpm  1214 0.0 0.3 ? S Oct 09 00:00:00 netnsd-watcher -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1216 0.0 0.3 ? S Oct 09 00:00:00 netnsd-server -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1230 0.0 0.9 ? S Oct 09 00:00:00 ProcMgr-master  1403 0.0 0.0 ? S Oct 09 00:29:17 /usr/bin/EosOomAdjust  1411 0.0 0.0 ? S Oct 09 00:00:54 [rbfd\_vrf\_cleanu]  1426 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/sbin/acpid  1463 0.0 0.0 ? S Oct 09 00:06:54 /usr/bin/SlabMonitor  1464 0.0 2.5 ? S Oct 09 01:34:53 Sysdb  1543 0.0 1.2 ? S Oct 09 00:01:57 StageMgr  1547 0.0 1.4 ? S Oct 09 00:04:29 Fru  1548 0.0 1.8 ? S Oct 09 00:01:39 Launcher  1712 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Lldp --demuxerOpts=275482372096,275482095106,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Lldp  1713 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1715 0.0 1.2 ? S Oct 09 00:24:43 Lldp  1717 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=McastCommon --demuxerOpts=275539207066,275531172101,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/McastCommon  1718 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1719 0.0 1.2 ? S Oct 09 00:08:28 McastCommon  1722 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=PortSec --demuxerOpts=275630742842,275586496008,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/PortSec  1723 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1725 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Bfd --demuxerOpts=275697984092,275668336464,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Bfd  1726 0.0 1.1 ? S Oct 09 00:05:22 PortSec  1727 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1729 0.0 1.3 ? S Oct 09 00:10:33 Bfd  1730 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Lag --demuxerOpts=275798425594,275754087410,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Lag  1731 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/1:1H]  1732 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1736 0.0 1.3 ? S Oct 09 00:45:50 Lag  1738 0.0 1.7 ? S Oct 09 01:30:50 SuperServer  1745 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Ira --demuxerOpts=279430842216,279242511590,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Ira  1746 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1747 0.0 1.4 ? S Oct 09 00:09:13 Ira  1748 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=LedPolicy --demuxerOpts=279643633598,279537036113,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/LedPolicy  1749 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1753 0.0 1.1 ? S Oct 09 00:07:40 LedPolicy  1754 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=EventMgr --demuxerOpts=279769194613,279729578605,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/EventMgr  1755 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1756 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=StpTxRx --demuxerOpts=279994695436,279989742052,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/StpTxRx  1757 0.0 1.3 ? S Oct 09 00:19:53 EventMgr  1758 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1759 0.0 1.2 ? S Oct 09 01:08:36 StpTxRx  1760 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=StandbyCpld --demuxerOpts=283497454610,280155363384,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/StandbyCpld  1761 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1763 0.0 1.1 ? S Oct 09 00:01:39 StandbyCpld  1764 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=AgentMonitor --demuxerOpts=283615375164,283615161637,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/AgentMonitor  1765 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1766 0.0 1.0 ? S Oct 09 01:44:22 AgentMonitor  1767 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Tunnel --demuxerOpts=283815717588,283815476170,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Tunnel  1768 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1769 0.0 1.2 ? S Oct 09 00:03:52 Tunnel  1770 0.0 1.6 ? Sl Oct 09 00:05:16 Aaa  1772 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=StpTopology --demuxerOpts=284200272970,284200028375,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/StpTopology  1773 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1774 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Acl --demuxerOpts=284441840621,284425363995,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Acl  1775 0.0 1.2 ? S Oct 09 00:08:36 StpTopology  1776 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1777 0.0 1.3 ? S Oct 09 00:51:32 Acl  1780 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Stp --demuxerOpts=288142997842,287926529966,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Stp  1781 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1782 0.0 1.1 ? S Oct 09 00:13:19 Stp  1783 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=KernelNetworkInfo --demuxerOpts=288348042626,288306991250,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/KernelNetworkInfo  1784 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1785 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=McastCommon6 --demuxerOpts=288476386621,288476154232,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/McastCommon6  1787 0.0 1.1 ? S Oct 09 00:04:39 KernelNetworkInfo  1788 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1791 0.0 1.2 ? S Oct 09 00:08:29 McastCommon6  1792 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=LacpTxAgent --demuxerOpts=288660551570,288660315029,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/LacpTxAgent  1793 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1794 0.0 1.2 ? S Oct 09 00:08:24 LacpTxAgent  1795 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Arp --demuxerOpts=292182880197,292182644203,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Arp  1797 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1798 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=KernelFib --demuxerOpts=292387136971,292386913377,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/KernelFib  1799 0.0 1.4 ? S Oct 09 00:12:22 Arp  1801 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1802 0.0 1.3 ? S Oct 09 00:08:53 KernelFib  1803 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Qos --demuxerOpts=292597182171,292545957912,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Qos  1804 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1805 0.0 1.2 ? S Oct 09 00:06:59 Qos  1808 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Thermostat --demuxerOpts=293031182227,292789955533,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Thermostat  1811 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1813 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=L2Rib --demuxerOpts=296490028279,296489674232,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/L2Rib  1814 0.0 1.1 ? S Oct 09 00:04:47 Thermostat  1816 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1818 0.0 1.2 ? S Oct 09 00:03:01 L2Rib  1820 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=TopoAgent --demuxerOpts=296723998947,296723793865,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/TopoAgent --scheduled  1821 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1823 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=PowerFuse --demuxerOpts=296913137499,296912919995,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/PowerFuse  1824 0.0 1.1 ? S Oct 09 00:04:37 TopoAgent  1826 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1828 0.0 1.0 ? S Oct 09 00:01:39 PowerFuse  1830 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=PowerManager --demuxerOpts=297125141566,297124919716,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/PowerManager  1832 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1833 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Ebra --demuxerOpts=300674037695,300668400686,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Ebra  1835 0.0 1.1 ? S Oct 09 00:01:38 PowerManager  1838 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1842 0.0 1.3 ? S Oct 09 00:18:03 Ebra  1849 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=ReloadCauseAgent --demuxerOpts=301136672884,300906411409,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/ReloadCauseAgent  1857 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1860 0.0 1.1 ? S Oct 09 00:01:39 ReloadCauseAgent  1861 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=SharedSecretProfile --demuxerOpts=301283236428,301260543814,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/SharedSecretProfile  1866 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1867 0.0 1.5 ? S Oct 09 00:09:17 IgmpSnooping  1868 0.0 1.0 ? S Oct 09 00:01:37 SharedSecretProfile  1882 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=StaticRoute --demuxerOpts=305461543441,305461133260,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/StaticRoute --scheduled  1887 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1888 0.0 1.3 ? S Oct 09 00:04:43 StaticRoute  1891 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=IpRib --demuxerOpts=305680427337,305680168169,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/IpRib --scheduled  1896 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1897 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=BgpCliHelper --demuxerOpts=305860331663,305860120352,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/BgpCliHelper --scheduled  1898 0.0 1.6 ? S Oct 09 00:11:34 IpRib  1901 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1904 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=ConnectedRoute --demuxerOpts=309314764439,309314498787,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/ConnectedRoute  1905 0.0 1.9 ? S Oct 09 00:05:55 BgpCliHelper  1907 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1908 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=RouteInput --demuxerOpts=309483970353,309483752885,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/RouteInput  1909 0.0 1.2 ? S Oct 09 00:09:22 ConnectedRoute  1912 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1913 0.0 2.2 ? Sl Oct 09 00:28:48 Bgp  1916 0.0 1.3 ? S Oct 09 00:05:41 RouteInput  1924 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Sfe --demuxerOpts=310187581898,309839049654,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Sfe  1926 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2274 0.0 0.0 ? Ssl Oct 09 00:01:41 /usr/sbin/rsyslogd -n  2325 0.0 0.0 ? S Oct 09 00:00:00 /usr/sbin/dnsmasq  2420 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=LicenseManager --demuxerOpts=357235757262,357235513961,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/LicenseManager  2423 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2425 0.0 1.1 ? S Oct 09 00:01:48 LicenseManager  2617 0.0 0.0 ? S Oct 09 00:00:00 /usr/bin/conlogd  2618 0.0 0.0 tty1 Ss+ Oct 09 00:00:00 /sbin/agetty --noclear tty1 linux  2619 0.0 0.0 ttyS0 Ss+ Oct 09 00:00:00 /sbin/mingetty --noclear /dev/ttyS0  2623 0.0 0.0 ? S Oct 09 00:00:00 sh -c /usr/bin/tail -n 0 --retry --follow=name --pid=2617 /var/log/eos-console | sed 's/\(.\*\)/\1\r/'  2626 0.0 0.0 ? S Oct 09 00:00:56 /usr/bin/tail -n 0 --retry --follow=name --pid=2617 /var/log/eos-console  2627 0.0 0.0 ? S Oct 09 00:00:00 sed s/\(.\*\)/\1\r/  2629 0.0 0.0 ? Zs Oct 09 00:00:00 [SuperServer] <defunct>  2678 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Ipsec --demuxerOpts=378052162806,378051926006,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/Ipsec  2679 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2681 0.0 1.3 ? S Oct 09 00:29:01 Ipsec  2684 0.0 0.4 ? Ss Oct 09 00:00:03 dhclient -e SYSNAME=ar -e SYSDBSOCKNAME=sysdb -e VRFNAME=default -sf /etc/dhcp/dhclient-script.py -pf /var/run/dhclient-default.pid -cf /etc/dhcp/dhclient-default.conf -lf /var/lib/dhclient/dhclient-default.leases -e et1=Ethernet1  2713 0.0 0.1 ? Ssl Oct 09 00:02:35 ntpd -u ntp:ntp -g -p /var/run/ntpd.pid  2717 0.0 0.0 ? Ss Oct 09 00:00:00 fusermount -o rw,nosuid,nodev,allow\_other,auto\_unmount,subtype=MfibFuse -- /BessProc  3345 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/libexec/strongswan/starter --daemon charon  3347 0.0 0.1 ? Ssl Oct 09 00:05:52 /usr/libexec/strongswan/charon --use-syslog  3740 0.0 0.0 ? S 17:36:00 00:00:00 [kworker/0:1]  4607 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=CapiApp --demuxerOpts=5742810699600,5742810359951,tbl://sysdb/+n,Sysdb (pid:1464) --sysdbfd=7 --dlopen procmgr /usr/bin/CapiApp --ini /etc/uwsgi/CapiApp.ini  4608 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  4609 0.0 1.3 ? Sl Oct 09 00:01:57 CapiApp -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  4653 0.0 0.0 ? Ss Oct 09 00:00:00 nginx: master process /usr/sbin/nginx -c /etc/nginx/nginx.conf -g pid /var/run/nginx.pid;  4655 0.0 0.1 ? S Oct 09 00:00:08 nginx: worker process   7961 0.0 0.0 ? S 17:42:00 00:00:00 [kworker/0:2] 12348 0.0 0.0 ? S 17:48:01 00:00:00 [kworker/0:3] 12926 0.0 0.1 ? Ss 17:48:35 00:00:00 python /bin/FetchLogs dump -n -l /var/log -m eos(?=($|\..\*\.gz)) 12927 0.0 0.0 ? Ss 17:48:35 00:00:00 tail -n 32 12930 0.0 0.0 ? Rs 17:48:35 00:00:00 ps -e -o pid,pcpu,pmem,tt,stat,lstart,start,time,cmd --sort=-pcpu -ww 20558 0.0 0.0 ? S Nov 08 00:00:02 [kworker/u8:1] 21830 0.0 0.0 ? S Dec 28 00:00:00 /bin/sh /var/awslogs/bin/awslogs-agent-launcher.sh 24557 0.0 0.0 ? S 16:11:08 00:00:00 [kworker/u8:2] 28287 0.0 0.0 ? S 17:03:00 00:00:00 [kworker/0:0] . |

### 16.4.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 88 |
| Name | test\_if\_process\_is\_running\_on\_ |
| Description | Verify processes are running |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show processes |
| Expected output | 1 |
| Actual output | 1 |
| Test result | True |
| Fail reason |  |
| Comment | TEST is ntpd running on |kg-topology-CloudEosRR2|. GIVEN ntpd number is |1|. WHEN ntpd number is |1|. THEN test case result is |True|. OUTPUT of |show processes| is:  17:48:36 up 90 days, 1:39, 0 users, load average: 1.20, 1.45, 1.35  PID %CPU %MEM TT STAT STARTED TIME CMD  1867 102 3.4 ? Sl Oct 09 92-04:35:56 Sfe  1699 0.4 2.0 ? Sl Oct 09 08:44:21 /usr/bin/TerminAttr -cvaddr=apiserver.arista.io:443 -cvcompression=gzip -cvauth=token-secure,/tmp/token -smashexcludes=ale,flexCounter,hardware,kni,pulse,strata-ingestexclude=/Sysdb/cell/1/agent,/Sysdb/cell/2/agent -cvvrf=default -cvsourceip=11.201.13.101 -taillogs -grpcaddr=0.0.0.0:6042  7922 0.2 0.7 ? SNl Dec 31 00:25:53 python2.7 /var/awslogs/bin/aws logs push --config-file /mnt/flash/awslogs/awslogs.conf --additional-configs-dir /mnt/flash/awslogs/config  1220 0.1 0.9 ? S Oct 09 04:13:51 ProcMgr-worker  1569 0.1 7.1 ? Sl Oct 09 02:57:15 ConfigAgent  1 0.0 0.0 ? Ss Oct 09 00:12:42 /sbin/init  2 0.0 0.0 ? S Oct 09 00:00:00 [kthreadd]  3 0.0 0.0 ? S Oct 09 00:01:14 [ksoftirqd/0]  5 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/0:0H]  7 0.0 0.0 ? S Oct 09 00:02:00 [rcu\_preempt]  8 0.0 0.0 ? S Oct 09 00:00:00 [rcu\_sched]  9 0.0 0.0 ? S Oct 09 00:00:00 [rcu\_bh]  10 0.0 0.0 ? S Oct 09 00:00:00 [migration/0]  11 0.0 0.0 ? S< Oct 09 00:00:00 [lru-add-drain]  12 0.0 0.0 ? S Oct 09 00:00:03 [watchdog/0]  13 0.0 0.0 ? S Oct 09 00:00:00 [cpuhp/0]  14 0.0 0.0 ? S Oct 09 00:00:00 [cpuhp/1]  15 0.0 0.0 ? S Oct 09 00:00:08 [watchdog/1]  16 0.0 0.0 ? S Oct 09 00:00:00 [migration/1]  17 0.0 0.0 ? S Oct 09 00:00:00 [ksoftirqd/1]  18 0.0 0.0 ? S Oct 09 00:00:00 [kworker/1:0]  19 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/1:0H]  20 0.0 0.0 ? S Oct 09 00:00:00 [cpuhp/2]  21 0.0 0.0 ? S Oct 09 00:00:00 [watchdog/2]  22 0.0 0.0 ? S Oct 09 00:00:00 [migration/2]  23 0.0 0.0 ? S Oct 09 00:00:00 [ksoftirqd/2]  24 0.0 0.0 ? S Oct 09 00:00:00 [kworker/2:0]  25 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/2:0H]  26 0.0 0.0 ? S Oct 09 00:00:00 [cpuhp/3]  27 0.0 0.0 ? S Oct 09 00:00:00 [watchdog/3]  28 0.0 0.0 ? S Oct 09 00:00:00 [migration/3]  29 0.0 0.0 ? S Oct 09 00:00:00 [ksoftirqd/3]  30 0.0 0.0 ? S Oct 09 00:00:00 [kworker/3:0]  31 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/3:0H]  32 0.0 0.0 ? S Oct 09 00:00:00 [kdevtmpfs]  33 0.0 0.0 ? S< Oct 09 00:00:00 [netns]  34 0.0 0.0 ? S Oct 09 00:00:00 [khungtaskd]  35 0.0 0.0 ? S Oct 09 00:03:38 [khungtaskd2]  36 0.0 0.0 ? S Oct 09 00:00:00 [oom\_reaper]  37 0.0 0.0 ? S< Oct 09 00:00:00 [writeback]  38 0.0 0.0 ? S Oct 09 00:00:00 [kcompactd0]  39 0.0 0.0 ? S< Oct 09 00:00:00 [crypto]  40 0.0 0.0 ? S< Oct 09 00:00:00 [kintegrityd]  41 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  42 0.0 0.0 ? S< Oct 09 00:00:00 [kblockd]  43 0.0 0.0 ? S< Oct 09 00:00:00 [ata\_sff]  44 0.0 0.0 ? S< Oct 09 00:00:00 [edac-poller]  45 0.0 0.0 ? S Oct 09 00:00:00 [dst\_gc\_task]  46 0.0 0.0 ? S< Oct 09 00:00:00 [watchdogd]  47 0.0 0.0 ? S Oct 09 00:00:00 [arp\_cache-prd]  49 0.0 0.0 ? S Oct 09 00:00:00 [icmp\_unreachabl]  50 0.0 0.0 ? S< Oct 09 00:00:00 [rpciod]  51 0.0 0.0 ? S< Oct 09 00:00:00 [xprtiod]  52 0.0 0.0 ? S Oct 09 00:00:00 [kswapd0]  53 0.0 0.0 ? S< Oct 09 00:00:00 [vmstat]  54 0.0 0.0 ? S< Oct 09 00:00:00 [nfsiod]  63 0.0 0.0 ? S< Oct 09 00:00:00 [pcielwd]  64 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  65 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  66 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  67 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  68 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  69 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  70 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  71 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  72 0.0 0.0 ? S< Oct 09 00:00:00 [nvme]  74 0.0 0.0 ? S Oct 09 00:00:00 [ndisc\_cache-prd]  75 0.0 0.0 ? S< Oct 09 00:00:00 [ipv6\_addrconf]  76 0.0 0.0 ? S< Oct 09 00:00:00 [ecc\_log\_wq]  124 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  125 0.0 0.0 ? S< Oct 09 00:00:00 [bioset]  171 0.0 0.0 ? S Oct 09 00:00:01 [jbd2/nvme0n1p1-]  172 0.0 0.0 ? S< Oct 09 00:00:00 [ext4-rsv-conver]  247 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/0:1H]  272 0.0 0.0 ? S< Oct 09 00:00:00 [loop0]  385 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/lib/systemd/systemd-udevd  411 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/sbin/lvmetad -f  506 0.0 0.0 ? S< Oct 09 00:00:00 [ena]  704 0.0 0.0 ? S Oct 09 00:00:00 [kworker/1:1]  736 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/sbin/mcelog --ignorenodev --daemon --foreground  750 0.0 0.0 ? Ss Oct 09 00:02:39 /usr/bin/ProcMonitor  754 0.0 0.0 ? Ss Oct 09 00:03:37 /usr/lib/systemd/systemd-logind  755 0.0 0.1 ? Ss Oct 09 00:07:37 /usr/bin/dbus-daemon --system --address=systemd: --nofork --nopidfile --systemd-activation  783 0.0 0.0 ? Ss Oct 09 00:00:23 /usr/sbin/xinetd -stayalive -pidfile /var/run/xinetd.pid  886 0.0 0.0 ? Ss Oct 09 00:00:42 /usr/sbin/crond -n  892 0.0 0.0 ? S<s Oct 09 00:00:58 /usr/bin/wdogdev -t 60  984 0.0 0.0 ? S Oct 09 00:00:00 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/local.new . && mv /mnt/flash/persist/local.new /mnt/flash/persist/local || logger -t SetupPersist Failed to update /mnt/flash/persist/local --daemon --logfile=/var/log/inotifyrun-local.log --pidfile=/var/run/inotifyrun-local.pid /persist/local  987 0.0 0.0 pts/0 Ss+ Oct 09 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  998 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/bin/SaveFossil --dedup --compress --priority Sysdb --maxFiles 1000 /var/tmp/Fossil /mnt/flash/Fossil  1006 0.0 0.0 ? S Oct 09 00:00:07 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/sys.new . && mv /mnt/flash/persist/sys.new /mnt/flash/persist/sys || logger -t SetupPersist Failed to update /mnt/flash/persist/sys --daemon --logfile=/var/log/inotifyrun-sys.log --pidfile=/var/run/inotifyrun-sys.pid /persist/sys  1008 0.0 0.0 pts/1 Ss+ Oct 09 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1020 0.0 0.0 ? S Oct 09 00:00:00 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/secure.new . && sync && ( mv /mnt/flash/persist/secure /mnt/flash/persist/secure.old; mv /mnt/flash/persist/secure.new /mnt/flash/persist/secure; sync ) && ( scrub --no-signature /mnt/flash/persist/secure.old; rm /mnt/flash/persist/secure.old ) || logger -t SetupPersist Failed to update /mnt/flash/persist/secure --daemon --logfile=/var/log/inotifyrun-secure.log --pidfile=/var/run/inotifyrun-secure.pid /persist/secure  1023 0.0 0.0 pts/2 Ss+ Oct 09 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1051 0.0 0.0 ? Ss Oct 09 00:00:00 /bin/bash /usr/sbin/core\_annotate\_util daemon  1166 0.0 0.1 ? S Oct 09 00:00:00 python /bin/immortalize --daemonize --log=/var/log/agents/ConnMgr --logappend --logpidsuffix --maxcredits=5 --cost=1 --immortalizepidfile=/var/run/ImmortalizeConnMgr.pid /usr/bin/ConnMgr -p /var/run/ConnMgr.pid  1167 0.0 0.1 ? S Oct 09 00:00:00 /usr/bin/ConnMgr -p /var/run/ConnMgr.pid  1200 0.0 0.0 ? S Oct 09 00:00:00 inotifywait -e modify /var/lib/rpm  1203 0.0 0.3 ? S Oct 09 00:00:00 netnsd-watcher -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1205 0.0 0.3 ? S Oct 09 00:00:00 netnsd-server -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1219 0.0 0.9 ? S Oct 09 00:00:00 ProcMgr-master  1430 0.0 0.0 ? S Oct 09 00:29:16 /usr/bin/EosOomAdjust  1438 0.0 0.0 ? S Oct 09 00:00:50 [rbfd\_vrf\_cleanu]  1453 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/sbin/acpid  1490 0.0 0.0 ? S Oct 09 00:06:57 /usr/bin/SlabMonitor  1491 0.0 2.5 ? S Oct 09 01:35:12 Sysdb  1568 0.0 1.2 ? S Oct 09 00:01:58 StageMgr  1571 0.0 1.4 ? S Oct 09 00:04:28 Fru  1572 0.0 1.8 ? S Oct 09 00:01:38 Launcher  1688 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Lldp --demuxerOpts=267022308128,267022046453,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Lldp  1690 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=McastCommon --demuxerOpts=267060701420,267060508537,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/McastCommon  1691 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1693 0.0 1.2 ? S Oct 09 00:23:32 Lldp  1694 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=PortSec --demuxerOpts=267110961213,267109664682,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/PortSec  1695 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1696 0.0 1.2 ? S Oct 09 00:08:36 McastCommon  1697 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1698 0.0 1.1 ? S Oct 09 00:05:37 PortSec  1714 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Bfd --demuxerOpts=267287943293,267201183478,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Bfd  1715 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1717 0.0 1.3 ? S Oct 09 00:11:22 Bfd  1718 0.0 0.0 ? S< Oct 09 00:00:00 [kworker/1:1H]  1719 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Lag --demuxerOpts=271081382312,270995105784,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Lag  1722 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1726 0.0 1.3 ? S Oct 09 00:47:26 Lag  1729 0.0 1.7 ? S Oct 09 01:31:06 SuperServer  1734 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Ira --demuxerOpts=274988497901,271357642443,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Ira  1735 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1736 0.0 1.4 ? S Oct 09 00:08:37 Ira  1738 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=LedPolicy --demuxerOpts=275250997605,275154076090,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/LedPolicy  1740 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1741 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=EventMgr --demuxerOpts=275322741078,275313300522,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/EventMgr  1742 0.0 1.1 ? S Oct 09 00:07:48 LedPolicy  1743 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1744 0.0 1.3 ? S Oct 09 00:19:58 EventMgr  1745 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=StpTxRx --demuxerOpts=275444901964,275402374762,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/StpTxRx  1746 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1747 0.0 1.2 ? S Oct 09 01:13:01 StpTxRx  1748 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=StandbyCpld --demuxerOpts=275574357813,275495834090,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/StandbyCpld  1749 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1750 0.0 1.1 ? S Oct 09 00:01:43 StandbyCpld  1751 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=AgentMonitor --demuxerOpts=275690651150,275669274609,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/AgentMonitor  1753 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1754 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Tunnel --demuxerOpts=275828291876,275803253646,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Tunnel  1755 0.0 1.0 ? S Oct 09 01:45:10 AgentMonitor  1756 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1757 0.0 1.5 ? Sl Oct 09 00:04:56 Aaa  1758 0.0 1.2 ? S Oct 09 00:03:52 Tunnel  1759 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=StpTopology --demuxerOpts=279461268794,279461053568,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/StpTopology  1761 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Acl --demuxerOpts=279657298608,279657060623,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Acl  1762 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1763 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1764 0.0 1.2 ? S Oct 09 00:08:46 StpTopology  1765 0.0 1.3 ? S Oct 09 00:51:40 Acl  1766 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Stp --demuxerOpts=279904248479,279849063698,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Stp  1767 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1768 0.0 1.1 ? S Oct 09 00:13:27 Stp  1769 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=KernelNetworkInfo --demuxerOpts=280070978812,280040277887,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/KernelNetworkInfo  1770 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1772 0.0 1.1 ? S Oct 09 00:04:45 KernelNetworkInfo  1773 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=McastCommon6 --demuxerOpts=283496234961,283496022668,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/McastCommon6  1775 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1776 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=LacpTxAgent --demuxerOpts=283670009272,283654033031,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/LacpTxAgent  1777 0.0 1.2 ? S Oct 09 00:07:38 McastCommon6  1779 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1780 0.0 1.2 ? S Oct 09 00:08:11 LacpTxAgent  1782 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Arp --demuxerOpts=283962169714,283884454900,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Arp  1783 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1785 0.0 1.4 ? S Oct 09 00:12:07 Arp  1787 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=KernelFib --demuxerOpts=284368944078,284152030106,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/KernelFib  1788 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1789 0.0 1.3 ? S Oct 09 00:09:07 KernelFib  1790 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Qos --demuxerOpts=287951299826,287794979486,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Qos  1792 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1793 0.0 1.2 ? S Oct 09 00:07:01 Qos  1795 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Thermostat --demuxerOpts=288248865373,288063169954,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Thermostat  1797 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1799 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=L2Rib --demuxerOpts=288352399604,288352136405,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/L2Rib  1801 0.0 1.1 ? S Oct 09 00:04:49 Thermostat  1803 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1804 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=TopoAgent --demuxerOpts=288556229908,288555994956,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/TopoAgent --scheduled  1806 0.0 1.2 ? S Oct 09 00:03:02 L2Rib  1809 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1810 0.0 1.1 ? S Oct 09 00:04:37 TopoAgent  1811 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=PowerFuse --demuxerOpts=292069625737,292066417655,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/PowerFuse  1813 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1815 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=PowerManager --demuxerOpts=292307240803,292274815881,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/PowerManager  1816 0.0 1.0 ? S Oct 09 00:01:36 PowerFuse  1817 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1819 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Ebra --demuxerOpts=292498169297,292497956396,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Ebra  1822 0.0 1.1 ? S Oct 09 00:01:40 PowerManager  1823 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1826 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=ReloadCauseAgent --demuxerOpts=292791615266,292746210228,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/ReloadCauseAgent  1827 0.0 1.3 ? S Oct 09 00:17:20 Ebra  1831 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1833 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=SharedSecretProfile --demuxerOpts=292974197331,292973964529,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/SharedSecretProfile  1837 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1839 0.0 1.1 ? S Oct 09 00:01:38 ReloadCauseAgent  1840 0.0 1.5 ? S Oct 09 00:09:45 IgmpSnooping  1842 0.0 1.0 ? S Oct 09 00:01:39 SharedSecretProfile  1864 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Sfe --demuxerOpts=297106316632,297106081843,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Sfe  1865 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1881 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=StaticRoute --demuxerOpts=301046223259,301035905330,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/StaticRoute --scheduled  1883 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1886 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=IpRib --demuxerOpts=301197056671,301187894591,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/IpRib --scheduled  1887 0.0 1.3 ? S Oct 09 00:04:44 StaticRoute  1889 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1890 0.0 1.6 ? S Oct 09 00:11:31 IpRib  1892 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=BgpCliHelper --demuxerOpts=301382661484,301331080415,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/BgpCliHelper --scheduled  1893 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1895 0.0 1.9 ? S Oct 09 00:05:52 BgpCliHelper  1896 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=ConnectedRoute --demuxerOpts=301560922350,301533425877,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/ConnectedRoute  1901 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1905 0.0 1.2 ? S Oct 09 00:09:24 ConnectedRoute  1907 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=RouteInput --demuxerOpts=305119965463,304973045214,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/RouteInput  1910 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1911 0.0 2.2 ? Sl Oct 09 00:26:36 Bgp  1913 0.0 1.3 ? S Oct 09 00:05:49 RouteInput  1984 0.0 0.0 ? S Dec 08 00:00:01 [kworker/u8:2]  2276 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=LicenseManager --demuxerOpts=348517528299,348517276781,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/LicenseManager  2279 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2282 0.0 1.1 ? S Oct 09 00:01:46 LicenseManager  2285 0.0 0.0 ? Ssl Oct 09 00:01:38 /usr/sbin/rsyslogd -n  2338 0.0 0.0 ? S Oct 09 00:00:00 /usr/sbin/dnsmasq  2571 0.0 0.0 ? Zs Oct 09 00:00:00 [SuperServer] <defunct>  2613 0.0 0.0 ? S Oct 09 00:00:00 /usr/bin/conlogd  2614 0.0 0.0 ttyS0 Ss+ Oct 09 00:00:00 /sbin/mingetty --noclear /dev/ttyS0  2615 0.0 0.0 tty1 Ss+ Oct 09 00:00:00 /sbin/agetty --noclear tty1 linux  2618 0.0 0.0 ? S Oct 09 00:00:00 sh -c /usr/bin/tail -n 0 --retry --follow=name --pid=2613 /var/log/eos-console | sed 's/\(.\*\)/\1\r/'  2620 0.0 0.0 ? S Oct 09 00:00:57 /usr/bin/tail -n 0 --retry --follow=name --pid=2613 /var/log/eos-console  2621 0.0 0.0 ? S Oct 09 00:00:00 sed s/\(.\*\)/\1\r/  2675 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=Ipsec --demuxerOpts=369420756030,369420505813,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/Ipsec  2676 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2680 0.0 1.3 ? S Oct 09 00:26:01 Ipsec  2700 0.0 0.4 ? Ss Oct 09 00:00:03 dhclient -e SYSNAME=ar -e SYSDBSOCKNAME=sysdb -e VRFNAME=default -sf /etc/dhcp/dhclient-script.py -pf /var/run/dhclient-default.pid -cf /etc/dhcp/dhclient-default.conf -lf /var/lib/dhclient/dhclient-default.leases -e et1=Ethernet1  2729 0.0 0.1 ? Ssl Oct 09 00:02:36 ntpd -u ntp:ntp -g -p /var/run/ntpd.pid  2734 0.0 0.0 ? Ss Oct 09 00:00:00 fusermount -o rw,nosuid,nodev,allow\_other,auto\_unmount,subtype=MfibFuse -- /BessProc  3363 0.0 0.0 ? Ss Oct 09 00:00:00 /usr/libexec/strongswan/starter --daemon charon  3365 0.0 0.1 ? Ssl Oct 09 00:04:18 /usr/libexec/strongswan/charon --use-syslog  3525 0.0 0.0 ? S 17:48:00 00:00:00 [kworker/0:3]  4104 0.0 0.1 ? Ss 17:48:35 00:00:00 python /bin/FetchLogs dump -n -l /var/log -m eos(?=($|\..\*\.gz))  4108 0.0 0.0 ? Ss 17:48:35 00:00:00 tail -n 32  4110 0.0 0.0 ? Rs 17:48:35 00:00:00 ps -e -o pid,pcpu,pmem,tt,stat,lstart,start,time,cmd --sort=-pcpu -ww  4111 0.0 0.0 ? Rs 17:48:35 00:00:00 uptime  4661 0.0 0.0 ? S Oct 09 00:00:00 netns --agenttitle=CapiApp --demuxerOpts=5957835036638,5957834774817,tbl://sysdb/+n,Sysdb (pid:1491) --sysdbfd=7 --dlopen procmgr /usr/bin/CapiApp --ini /etc/uwsgi/CapiApp.ini  4662 0.0 0.3 ? Ss Oct 09 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  4663 0.0 1.3 ? Sl Oct 09 00:01:59 CapiApp -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  4707 0.0 0.0 ? Ss Oct 09 00:00:00 nginx: master process /usr/sbin/nginx -c /etc/nginx/nginx.conf -g pid /var/run/nginx.pid;  4709 0.0 0.1 ? S Oct 09 00:00:07 nginx: worker process   7901 0.0 0.0 ? S Dec 31 00:00:00 /bin/sh /var/awslogs/bin/awslogs-agent-launcher.sh 21080 0.0 0.0 ? S 16:11:12 00:00:00 [kworker/u8:0] 26226 0.0 0.0 ? S 17:21:01 00:00:00 [kworker/0:0] 27190 0.0 0.0 ? S 17:36:00 00:00:00 [kworker/0:1] 31377 0.0 0.0 ? S 17:42:01 00:00:00 [kworker/0:2] . |

## 16.5 Test Case: Test ntp configuration

### 16.5.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 89 |
| Name | test\_ntp\_configuration\_on\_ |
| Description | Verifies NTP configuration matches the recommended practices |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | None |
| Expected output | [True, True] |
| Actual output | [True, True] |
| Test result | True |
| Fail reason |  |
| Comment | TEST |kg-topology-CloudEosRR1| NTP config. GIVEN NTP config |ntp server 169.254.169.123 |. WHEN NTP config |ntp server 169.254.169.123 |. THEN test case result is |True|. |

### 16.5.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 90 |
| Name | test\_ntp\_configuration\_on\_ |
| Description | Verifies NTP configuration matches the recommended practices |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | None |
| Expected output | [True, True] |
| Actual output | [True, True] |
| Test result | True |
| Fail reason |  |
| Comment | TEST |kg-topology-CloudEosRR2| NTP config. GIVEN NTP config |ntp server 169.254.169.123 |. WHEN NTP config |ntp server 169.254.169.123 |. THEN test case result is |True|. |

# 17. Detailed Test Suite Results: Users

## 17.1 Test Case: Test if usernames are configured

### 17.1.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 91 |
| Name | test\_if\_usernames\_are\_configured\_on\_ |
| Description | Verify username is set correctly |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show running-config section username |
| Expected output | [True, True] |
| Actual output | [True, True] |
| Test result | True |
| Fail reason |  |
| Comment | TEST is ec2-user username configured on |kg-topology-CloudEosRR1|. GIVEN username configured status: |True|. WHEN username configured status: |True|. THEN test case result is |True|.  TEST is kgrozis username configured on |kg-topology-CloudEosRR1|. GIVEN username configured status: |True|. WHEN username configured status: |True|. THEN test case result is |True|.  OUTPUT of |show running-config section username| is :  no username admin ! username ec2-user nopassword username ec2-user ssh-key ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQCW9oTsCjh4dXhU/8P7WwXmgYoJqHcHwPXkCYWklBGHpvgjUBAekGJSfwgM+KMX6e1dX/jKXroFSiRGzafQadO2U2UryY7+1gS90vZ7KRam73Kyy83Is1+ptpgrAvc/F2zIl8PGBQAw3smkkIg6SIT2Rs1L+w+9iYgl0UX/wBuf7pIIjOXDaFBM8QFLMFK0msSIcwPKydoWLFOWbDdn9XxPsiJ5CRJfk2MWAgrXCgb0+4NYgaGRCYM+UJqElSmIj5LhLOf5BJppYNFGCvkMl6wUuBjbpgElefBKOgJbx8prlRIebcSSlutQdxrfcqS/evdLpqr6z9I0CVrr+j1hK4ID kgrozis-east2 username kgrozis secret sha512 $6$v79HvPRjgAsoZgMx$oKhb5cP4jZRmSbW4d0AGyN.2yImvSEhdfo3YiLiVrtKWphCSxxtKj15r/Mkldk614h8e2nCYxOLO1siJ0wB7f. . |

### 17.1.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 92 |
| Name | test\_if\_usernames\_are\_configured\_on\_ |
| Description | Verify username is set correctly |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show running-config section username |
| Expected output | [True, True] |
| Actual output | [True, True] |
| Test result | True |
| Fail reason |  |
| Comment | TEST is ec2-user username configured on |kg-topology-CloudEosRR2|. GIVEN username configured status: |True|. WHEN username configured status: |True|. THEN test case result is |True|.  TEST is kgrozis username configured on |kg-topology-CloudEosRR2|. GIVEN username configured status: |True|. WHEN username configured status: |True|. THEN test case result is |True|.  OUTPUT of |show running-config section username| is :  no username admin ! username ec2-user nopassword username ec2-user ssh-key ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQCW9oTsCjh4dXhU/8P7WwXmgYoJqHcHwPXkCYWklBGHpvgjUBAekGJSfwgM+KMX6e1dX/jKXroFSiRGzafQadO2U2UryY7+1gS90vZ7KRam73Kyy83Is1+ptpgrAvc/F2zIl8PGBQAw3smkkIg6SIT2Rs1L+w+9iYgl0UX/wBuf7pIIjOXDaFBM8QFLMFK0msSIcwPKydoWLFOWbDdn9XxPsiJ5CRJfk2MWAgrXCgb0+4NYgaGRCYM+UJqElSmIj5LhLOf5BJppYNFGCvkMl6wUuBjbpgElefBKOgJbx8prlRIebcSSlutQdxrfcqS/evdLpqr6z9I0CVrr+j1hK4ID kgrozis-east2 username kgrozis secret sha512 $6$v79HvPRjgAsoZgMx$oKhb5cP4jZRmSbW4d0AGyN.2yImvSEhdfo3YiLiVrtKWphCSxxtKj15r/Mkldk614h8e2nCYxOLO1siJ0wB7f. . |

# 18. Detailed Test Suite Results: Memory

## 18.1 Test Case: Test memory utilization

### 18.1.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 93 |
| Name | test\_memory\_utilization\_on\_ |
| Description | Verify memory is not exceeding high utlization |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show version |
| Expected output | 70 |
| Actual output | 38.71249777457635 |
| Test result | True |
| Fail reason |  |
| Comment | TEST if memory utilization is less than specified value on |kg-topology-CloudEosRR1|. GIVEN memory utilization is less than |70|. WHEN memory utilization is |38.71249777457635|. THEN test case result is |True|. OUTPUT of |show version| is:  Arista vEOS Hardware version:  Serial number: 3075D517B750B3A4AE23DED82DFAF702 System MAC address: 02df.de50.a8f9  Software image version: 4.24.0FX-cloud Architecture: x86\_64 Internal build version: 4.24.0FX-cloud-16811629.4240FX Internal build ID: 4d308dc3-e34e-4c33-b790-7f443d4288fe  Uptime: 12 weeks, 6 days, 1 hours and 39 minutes Total memory: 7818736 kB Free memory: 3020996 kB |

### 18.1.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 94 |
| Name | test\_memory\_utilization\_on\_ |
| Description | Verify memory is not exceeding high utlization |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show version |
| Expected output | 70 |
| Actual output | 38.697661616916086 |
| Test result | True |
| Fail reason |  |
| Comment | TEST if memory utilization is less than specified value on |kg-topology-CloudEosRR2|. GIVEN memory utilization is less than |70|. WHEN memory utilization is |38.697661616916086|. THEN test case result is |True|. OUTPUT of |show version| is:  Arista vEOS Hardware version:  Serial number: 5AF63C12E54F39466CB6E9CC07325A44 System MAC address: 06aa.1af7.287f  Software image version: 4.24.0FX-cloud Architecture: x86\_64 Internal build version: 4.24.0FX-cloud-16811629.4240FX Internal build ID: 4d308dc3-e34e-4c33-b790-7f443d4288fe  Uptime: 12 weeks, 6 days, 1 hours and 39 minutes Total memory: 7818736 kB Free memory: 3028580 kB |