Test Report

March 04, 2022 09:02:34PM

# 1. Test Results Summary

## 1.1 Summary Results

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Total Tests | Total Passed | Total Failed | Total Skipped | Total Errored | Total Duration |
| 21 | 21 | 0 | 0 | 0 | 12.528302431106567 |

## 1.2 Summary Totals for Devices Under Tests

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| DUT | Total Tests | Total Passed | Total Failed | Total Skipped | Total Errored |
| BL1 | 21 | 21 | 0 | 0 | 0 |

## 1.3 Summary Totals for Test Suites

|  |  |  |  |
| --- | --- | --- | --- |
| Test Suite | Total Tests | Total Passed | Total Failed |
| Cpu | 3 | 3 | 0 |
| Ztp | 2 | 2 | 0 |
| Daemon | 2 | 2 | 0 |
| System | 2 | 2 | 0 |
| Filesystem | 1 | 1 | 0 |
| Host | 1 | 1 | 0 |
| Interface | 2 | 2 | 0 |
| Logging | 1 | 1 | 0 |
| Api | 5 | 5 | 0 |
| Users | 1 | 1 | 0 |
| Memory | 1 | 1 | 0 |

# 2. Test Case Results Summary

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Id | Test Suite | Test Case | DUT | Result | Failure Reason |
| 1 | Cpu | Test 1 min cpu utlization | BL1 | PASS |  |
| 2 | Cpu | Test 1 sec cpu utlization | BL1 | PASS |  |
| 3 | Cpu | Test 5 min cpu utlization | BL1 | PASS |  |
| 4 | Ztp | Test for zerotouch config file | BL1 | PASS |  |
| 5 | Ztp | Test if zerotouch is disabled | BL1 | PASS |  |
| 6 | Daemon | Test if daemons are enabled | BL1 | PASS |  |
| 7 | Daemon | Test if daemons are running | BL1 | PASS |  |
| 8 | System | Test if eos version is correct | BL1 | PASS |  |
| 9 | System | Test if there is agents have crashed | BL1 | PASS |  |
| 10 | Filesystem | Test if files | BL1 | PASS |  |
| 11 | Host | Test if hostname is correcet | BL1 | PASS |  |
| 12 | Interface | Test if interface link status is connected | BL1 | PASS |  |
| 13 | Interface | Test if interface protocol status is connected | BL1 | PASS |  |
| 14 | Logging | Test if log messages appear | BL1 | PASS |  |
| 15 | Api | Test if management http api server is running | BL1 | PASS |  |
| 16 | Api | Test if management https api server is enabled | BL1 | PASS |  |
| 17 | Api | Test if management https api server is running | BL1 | PASS |  |
| 18 | Api | Test if management https api server port is correct | BL1 | PASS |  |
| 19 | Api | Test if management local http api server is running | BL1 | PASS |  |
| 20 | Users | Test if usernames are configured | BL1 | PASS |  |
| 21 | Memory | Test memory utilization | BL1 | PASS |  |

# 3. Detailed Test Suite Results: Cpu

## 3.1 Test Case: Test 1 min cpu utlization

### 3.1.1 DUT: BL1

|  |  |
| --- | --- |
| 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 | BL1 |
| Show command | show processes |
| Expected output | 10 |
| Actual output | 0.63 |
| Test result | True |
| Fail reason |  |
| Comment | TEST if 1 minute CPU utilization is less than specified value on |BL1|. GIVEN CPU utilization is less than |10|. WHEN CPU utilization is |0.63|. THEN test case result is |True|. OUTPUT of |show processes| is :   21:02:26 up 8 days, 5:39, 0 users, load average: 0.80, 0.63, 0.35  PID %CPU %MEM TT STAT STARTED TIME CMD  2094 1.0 2.5 ? Sl Feb 24 02:08:49 /usr/bin/TerminAttr -ingestgrpcurl=192.168.0.5:9910 -cvcompression=gzip -ingestauth=key,1a38fe7df56879d685e51b6f0ff86327 -smashexcludes=ale,flexCounter,hardware,kni,pulse,strata -ingestexclude=/Sysdb/cell/1/agent,/Sysdb/cell/2/agent -taillogs  2226 0.4 3.3 ? S Feb 24 00:56:16 Etba  1702 0.3 0.6 ? S Feb 24 00:39:09 ProcMgr-worker  1211 0.2 0.9 ? S<Ll Feb 24 00:27:38 ovs-vswitchd unix:/var/run/openvswitch/db.sock -vconsole:emer -vsyslog:err -vfile:info --mlockall --no-chdir --log-file=/var/log/openvswitch/ovs-vswitchd.log --pidfile=/var/run/openvswitch/ovs-vswitchd.pid --detach --monitor  1892 0.1 8.6 ? Sl Feb 24 00:23:38 ConfigAgent  2139 0.1 2.1 ? S Feb 24 00:19:15 StpTxRx  2144 0.1 1.7 ? S Feb 24 00:15:22 AgentMonitor  2184 0.1 2.4 ? S Feb 24 00:21:29 Fhrp  2225 0.1 2.1 ? S Feb 24 00:19:09 PhyEthtool  1 0.0 0.1 ? Ss Feb 24 00:00:07 /sbin/init  2 0.0 0.0 ? S Feb 24 00:00:00 [kthreadd]  3 0.0 0.0 ? S Feb 24 00:00:06 [ksoftirqd/0]  5 0.0 0.0 ? S< Feb 24 00:00:00 [kworker/0:0H]  7 0.0 0.0 ? S Feb 24 00:01:26 [rcu\_preempt]  8 0.0 0.0 ? S Feb 24 00:00:00 [rcu\_sched]  9 0.0 0.0 ? S Feb 24 00:00:00 [rcu\_bh]  10 0.0 0.0 ? S Feb 24 00:00:02 [migration/0]  11 0.0 0.0 ? S< Feb 24 00:00:00 [lru-add-drain]  12 0.0 0.0 ? S Feb 24 00:00:00 [watchdog/0]  13 0.0 0.0 ? S Feb 24 00:00:00 [cpuhp/0]  14 0.0 0.0 ? S Feb 24 00:00:00 [cpuhp/1]  15 0.0 0.0 ? S Feb 24 00:00:00 [watchdog/1]  16 0.0 0.0 ? S Feb 24 00:00:02 [migration/1]  17 0.0 0.0 ? S Feb 24 00:00:02 [ksoftirqd/1]  19 0.0 0.0 ? S< Feb 24 00:00:00 [kworker/1:0H]  20 0.0 0.0 ? S Feb 24 00:00:00 [kdevtmpfs]  21 0.0 0.0 ? S< Feb 24 00:00:00 [netns]  22 0.0 0.0 ? S Feb 24 00:00:00 [xenwatch]  23 0.0 0.0 ? S Feb 24 00:00:00 [xenbus]  25 0.0 0.0 ? S Feb 24 00:00:00 [khungtaskd]  26 0.0 0.0 ? S Feb 24 00:00:14 [khungtaskd2]  27 0.0 0.0 ? S Feb 24 00:00:00 [oom\_reaper]  28 0.0 0.0 ? S< Feb 24 00:00:00 [writeback]  29 0.0 0.0 ? S Feb 24 00:00:00 [kcompactd0]  30 0.0 0.0 ? S< Feb 24 00:00:00 [crypto]  31 0.0 0.0 ? S< Feb 24 00:00:00 [kintegrityd]  32 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  33 0.0 0.0 ? S< Feb 24 00:00:00 [kblockd]  34 0.0 0.0 ? S< Feb 24 00:00:00 [ata\_sff]  35 0.0 0.0 ? S< Feb 24 00:00:00 [edac-poller]  36 0.0 0.0 ? S Feb 24 00:00:00 [dst\_gc\_task]  37 0.0 0.0 ? S< Feb 24 00:00:00 [watchdogd]  39 0.0 0.0 ? S Feb 24 00:00:00 [arp\_cache-prd]  40 0.0 0.0 ? S Feb 24 00:00:00 [icmp\_unreachabl]  41 0.0 0.0 ? S< Feb 24 00:00:00 [rpciod]  42 0.0 0.0 ? S< Feb 24 00:00:00 [xprtiod]  43 0.0 0.0 ? S Feb 24 00:00:00 [kswapd0]  44 0.0 0.0 ? S< Feb 24 00:00:00 [vmstat]  45 0.0 0.0 ? S< Feb 24 00:00:00 [nfsiod]  54 0.0 0.0 ? S< Feb 24 00:00:00 [pcielwd]  55 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  56 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  57 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  58 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  59 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  60 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  61 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  62 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  63 0.0 0.0 ? S< Feb 24 00:00:00 [nvme]  64 0.0 0.0 ? S Feb 24 00:00:00 [scsi\_eh\_0]  65 0.0 0.0 ? S< Feb 24 00:00:00 [scsi\_tmf\_0]  66 0.0 0.0 ? S Feb 24 00:00:00 [scsi\_eh\_1]  67 0.0 0.0 ? S< Feb 24 00:00:00 [scsi\_tmf\_1]  70 0.0 0.0 ? S Feb 24 00:00:00 [ndisc\_cache-prd]  71 0.0 0.0 ? S< Feb 24 00:00:00 [ipv6\_addrconf]  72 0.0 0.0 ? S< Feb 24 00:00:00 [ecc\_log\_wq]  73 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  146 0.0 0.0 ? S Feb 24 00:00:00 [jbd2/xvda1-8]  147 0.0 0.0 ? S< Feb 24 00:00:00 [ext4-rsv-conver]  248 0.0 0.0 ? S< Feb 24 00:00:00 [kworker/0:1H]  336 0.0 0.0 ? S< Feb 24 00:00:00 [loop0]  378 0.0 0.0 ? S< Feb 24 00:00:00 [kworker/1:1H]  440 0.0 0.0 ? S 17:09:58 00:00:00 [kworker/u30:2]  482 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/lib/systemd/systemd-udevd  535 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/sbin/lvmetad -f  796 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/sbin/mcelog --ignorenodev --daemon --foreground  800 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/lib/systemd/systemd-logind  802 0.0 0.0 ? Ss Feb 24 00:00:15 /usr/bin/ProcMonitor  805 0.0 0.2 ? Ss Feb 24 00:00:00 /usr/bin/dbus-daemon --system --address=systemd: --nofork --nopidfile --systemd-activation  810 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/sbin/xinetd -stayalive -pidfile /var/run/xinetd.pid  838 0.0 0.0 ? Ss Feb 24 00:00:03 /usr/sbin/crond -n  877 0.0 0.0 ? S<s Feb 24 00:00:10 /usr/bin/wdogdev -t 100  1025 0.0 0.1 ? S Feb 24 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  1027 0.0 0.0 pts/0 Ss+ Feb 24 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1056 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/bin/SaveFossil --dedup --compress --priority Sysdb --maxFiles 1000 /var/tmp/Fossil /mnt/flash/Fossil  1067 0.0 0.1 ? S Feb 24 00:00:01 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  1068 0.0 0.0 pts/1 Ss+ Feb 24 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1078 0.0 0.1 ? S Feb 24 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  1079 0.0 0.0 pts/2 Ss+ Feb 24 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1106 0.0 0.0 ? Ss Feb 24 00:00:00 /bin/bash /usr/sbin/core\_annotate\_util daemon  1137 0.0 0.0 ? S Feb 24 00:00:00 inotifywait -e modify /var/lib/rpm  1151 0.0 0.0 ? Ss Feb 24 00:00:46 /mnt/flash/dropbear -R -B -p 0.0.0.0:50001  1210 0.0 0.0 ? S<s Feb 24 00:00:00 ovs-vswitchd: monitoring pid 1211 (healthy)   1640 0.0 0.4 ? S Feb 24 00:00:00 netnsd-watcher -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1642 0.0 0.4 ? S Feb 24 00:00:00 netnsd-server -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1701 0.0 1.5 ? S Feb 24 00:00:00 ProcMgr-master  1824 0.0 0.0 ? S Feb 24 00:02:58 /usr/bin/EosOomAdjust  1837 0.0 0.0 ? S Feb 24 00:00:11 [rbfd\_vrf\_cleanu]  1852 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/sbin/acpid  1890 0.0 2.0 ? S Feb 24 00:00:15 StageMgr  1891 0.0 0.0 ? S Feb 24 00:00:55 /usr/bin/SlabMonitor  1893 0.0 2.4 ? S Feb 24 00:00:17 Fru  1894 0.0 4.0 ? S Feb 24 00:07:36 Sysdb  1895 0.0 2.6 ? S Feb 24 00:00:16 Launcher  2085 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Lldp --dlopen procmgr /usr/bin/Lldp  2087 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2089 0.0 2.1 ? S Feb 24 00:05:11 Lldp  2090 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=McastCommon --dlopen procmgr /usr/bin/McastCommon  2092 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=PortSec --dlopen procmgr /usr/bin/PortSec  2096 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Bfd --dlopen procmgr /usr/bin/Bfd  2097 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2098 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2099 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Lag --dlopen procmgr /usr/bin/Lag  2101 0.0 2.0 ? S Feb 24 00:00:23 PortSec  2102 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2106 0.0 2.8 ? S Feb 24 00:10:08 SuperServer  2107 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2108 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Ira --dlopen procmgr /usr/bin/Ira  2109 0.0 2.3 ? S Feb 24 00:00:47 Bfd  2110 0.0 2.0 ? S Feb 24 00:00:35 McastCommon  2113 0.0 2.4 ? S Feb 24 00:02:14 Lag  2117 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2118 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=LedPolicy --dlopen procmgr /usr/bin/LedPolicy  2119 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2120 0.0 2.6 ? S Feb 24 00:00:36 Ira  2122 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Vxlan --dlopen procmgr /usr/bin/Vxlan  2123 0.0 2.0 ? S Feb 24 00:01:01 LedPolicy  2125 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=EventMgr --dlopen procmgr /usr/bin/EventMgr  2126 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2127 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=CapiApp --dlopen procmgr /usr/bin/CapiApp --ini /etc/uwsgi/CapiApp.ini  2128 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2130 0.0 2.2 ? S Feb 24 00:01:36 EventMgr  2131 0.0 2.4 ? S Feb 24 00:00:33 Vxlan  2134 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=StpTxRx --dlopen procmgr /usr/bin/StpTxRx  2136 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2137 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2138 0.0 2.1 ? Sl Feb 24 00:00:15 CapiApp -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2140 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=StandbyCpld --dlopen procmgr /usr/bin/StandbyCpld  2141 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=AgentMonitor --dlopen procmgr /usr/bin/AgentMonitor  2142 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2143 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2146 0.0 1.8 ? S Feb 24 00:00:16 StandbyCpld  2147 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Tunnel --dlopen procmgr /usr/bin/Tunnel  2149 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Arp --dlopen procmgr /usr/bin/Arp  2152 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2154 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2155 0.0 2.0 ? S Feb 24 00:00:23 Tunnel  2156 0.0 2.3 ? Sl Feb 24 00:00:18 Aaa  2157 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=StpTopology --dlopen procmgr /usr/bin/StpTopology  2158 0.0 2.6 ? Sl Feb 24 00:02:29 Arp  2159 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Acl --dlopen procmgr /usr/bin/Acl  2161 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2162 0.0 2.0 ? S Feb 24 00:00:35 StpTopology  2163 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2164 0.0 2.4 ? S Feb 24 00:03:50 Acl  2165 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Stp --dlopen procmgr /usr/bin/Stp  2166 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2167 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=KernelNetworkInfo --dlopen procmgr /usr/bin/KernelNetworkInfo  2169 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2170 0.0 1.8 ? S Feb 24 00:01:27 KernelNetworkInfo  2171 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=McastCommon6 --dlopen procmgr /usr/bin/McastCommon6  2172 0.0 2.0 ? S Feb 24 00:05:06 Stp  2173 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2174 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=LacpTxAgent --dlopen procmgr /usr/bin/LacpTxAgent  2175 0.0 2.0 ? S Feb 24 00:00:35 McastCommon6  2176 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2178 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Fhrp --dlopen procmgr /usr/bin/Fhrp --scheduled  2179 0.0 2.1 ? S Feb 24 00:00:36 LacpTxAgent  2180 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=KernelFib --dlopen procmgr /usr/bin/KernelFib  2181 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2183 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Qos --dlopen procmgr /usr/bin/Qos  2185 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2186 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Thermostat --dlopen procmgr /usr/bin/Thermostat  2187 0.0 2.4 ? S Feb 24 00:00:49 KernelFib  2188 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2189 0.0 2.0 ? S Feb 24 00:00:30 Qos  2190 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2193 0.0 1.8 ? S Feb 24 00:00:34 Thermostat  2194 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=L2Rib --dlopen procmgr /usr/bin/L2Rib  2195 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2196 0.0 2.0 ? S Feb 24 00:00:22 L2Rib  2197 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=TopoAgent --dlopen procmgr /usr/bin/TopoAgent --scheduled  2198 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2200 0.0 2.0 ? S Feb 24 00:00:16 TopoAgent  2201 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=PowerFuse --dlopen procmgr /usr/bin/PowerFuse  2202 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2203 0.0 1.8 ? S Feb 24 00:00:15 PowerFuse  2206 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=VxlanSwFwd --dlopen procmgr /usr/bin/VxlanSwFwd  2207 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2208 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Ebra --dlopen procmgr /usr/bin/Ebra  2209 0.0 2.3 ? S Feb 24 00:00:46 VxlanSwFwd  2210 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=ReloadCauseAgent --dlopen procmgr /usr/bin/ReloadCauseAgent  2212 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2213 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2214 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=SharedSecretProfile --dlopen procmgr /usr/bin/SharedSecretProfile  2215 0.0 2.4 ? S Feb 24 00:00:58 Ebra  2216 0.0 1.8 ? S Feb 24 00:00:16 ReloadCauseAgent  2217 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2218 0.0 2.5 ? S Feb 24 00:00:36 IgmpSnooping  2219 0.0 1.8 ? S Feb 24 00:00:16 SharedSecretProfile  2280 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=StaticRoute --dlopen procmgr /usr/bin/StaticRoute --scheduled  2284 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2286 0.0 2.4 ? S Feb 24 00:00:35 StaticRoute  2288 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=IpRib --dlopen procmgr /usr/bin/IpRib --scheduled  2290 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2291 0.0 2.3 ? S Feb 24 00:00:42 BgpCliHelper  2292 0.0 2.9 ? S Feb 24 00:01:18 IpRib  2294 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=ConnectedRoute --dlopen procmgr /usr/bin/ConnectedRoute  2297 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2298 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=RouteInput --dlopen procmgr /usr/bin/RouteInput  2300 0.0 2.2 ? S Feb 24 00:00:37 ConnectedRoute  2304 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2305 0.0 2.0 ? S Feb 24 00:00:36 EvpnrtrEncap  2306 0.0 2.3 ? S Feb 24 00:00:35 RouteInput  2313 0.0 4.2 ? Sl Feb 24 00:04:47 Bgp  2872 0.0 0.1 ? Ssl Feb 24 00:00:01 /usr/sbin/rsyslogd -n  2911 0.0 0.0 ? S Feb 24 00:00:00 /usr/sbin/dnsmasq  2970 0.0 0.0 ? Ss Feb 24 00:00:00 nginx: master process /usr/sbin/nginx -c /etc/nginx/nginx.conf -g pid /var/run/nginx.pid;  2972 0.0 0.2 ? S Feb 24 00:00:01 nginx: worker process   3051 0.0 0.2 ? Ssl Feb 24 00:00:26 ntpd -u ntp:ntp -g -p /var/run/ntpd.pid  3279 0.0 0.0 ? S Feb 24 00:00:00 /usr/bin/conlogd  3280 0.0 0.0 ttyS0 Ss+ Feb 24 00:00:00 /sbin/mingetty --noclear /dev/ttyS0  3281 0.0 0.0 tty1 Ss+ Feb 24 00:00:00 /sbin/agetty --noclear tty1 linux  3283 0.0 0.0 ? S Feb 24 00:00:00 sh -c /usr/bin/tail -n 0 --retry --follow=name --pid=3279 /var/log/eos-console | sed 's/\(.\*\)/\1\r/'  3285 0.0 0.0 ? S Feb 24 00:00:08 /usr/bin/tail -n 0 --retry --follow=name --pid=3279 /var/log/eos-console  3286 0.0 0.0 ? S Feb 24 00:00:00 sed s/\(.\*\)/\1\r/ 10077 0.0 0.0 ? S 20:09:59 00:00:00 [kworker/u30:1] 10875 0.0 0.0 ? S 20:26:01 00:00:00 [kworker/0:1] 12419 0.0 0.0 ? S 20:54:01 00:00:00 [kworker/0:2] 12566 0.0 0.0 ? S 20:57:01 00:00:00 [kworker/1:2] 13013 0.0 0.0 ? Rs 21:02:25 00:00:00 ps -e -o pid,pcpu,pmem,tt,stat,lstart,start,time,cmd --sort=-pcpu -ww 21862 0.0 0.0 ? S 13:37:00 00:00:00 [kworker/1:0] . |

## 3.2 Test Case: Test 1 sec cpu utlization

### 3.2.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 2 |
| Name | test\_1\_sec\_cpu\_utlization\_on\_ |
| Description | Verify 1 second CPU % is under specificied value |
| Device under test | BL1 |
| Show command | show processes |
| Expected output | 1 |
| Actual output | 0.8 |
| Test result | True |
| Fail reason |  |
| Comment | TEST if 1 second CPU utilization is less than specified value on |BL1|. GIVEN CPU utilization is less than |1|. WHEN CPU utilization is |0.8|. THEN test case result is |True|. OUTPUT of |show processes| is :   21:02:26 up 8 days, 5:39, 0 users, load average: 0.80, 0.63, 0.35  PID %CPU %MEM TT STAT STARTED TIME CMD  2094 1.0 2.5 ? Sl Feb 24 02:08:49 /usr/bin/TerminAttr -ingestgrpcurl=192.168.0.5:9910 -cvcompression=gzip -ingestauth=key,1a38fe7df56879d685e51b6f0ff86327 -smashexcludes=ale,flexCounter,hardware,kni,pulse,strata -ingestexclude=/Sysdb/cell/1/agent,/Sysdb/cell/2/agent -taillogs  2226 0.4 3.3 ? S Feb 24 00:56:16 Etba  1702 0.3 0.6 ? S Feb 24 00:39:09 ProcMgr-worker  1211 0.2 0.9 ? S<Ll Feb 24 00:27:38 ovs-vswitchd unix:/var/run/openvswitch/db.sock -vconsole:emer -vsyslog:err -vfile:info --mlockall --no-chdir --log-file=/var/log/openvswitch/ovs-vswitchd.log --pidfile=/var/run/openvswitch/ovs-vswitchd.pid --detach --monitor  1892 0.1 8.6 ? Sl Feb 24 00:23:38 ConfigAgent  2139 0.1 2.1 ? S Feb 24 00:19:15 StpTxRx  2144 0.1 1.7 ? S Feb 24 00:15:22 AgentMonitor  2184 0.1 2.4 ? S Feb 24 00:21:29 Fhrp  2225 0.1 2.1 ? S Feb 24 00:19:09 PhyEthtool  1 0.0 0.1 ? Ss Feb 24 00:00:07 /sbin/init  2 0.0 0.0 ? S Feb 24 00:00:00 [kthreadd]  3 0.0 0.0 ? S Feb 24 00:00:06 [ksoftirqd/0]  5 0.0 0.0 ? S< Feb 24 00:00:00 [kworker/0:0H]  7 0.0 0.0 ? S Feb 24 00:01:26 [rcu\_preempt]  8 0.0 0.0 ? S Feb 24 00:00:00 [rcu\_sched]  9 0.0 0.0 ? S Feb 24 00:00:00 [rcu\_bh]  10 0.0 0.0 ? S Feb 24 00:00:02 [migration/0]  11 0.0 0.0 ? S< Feb 24 00:00:00 [lru-add-drain]  12 0.0 0.0 ? S Feb 24 00:00:00 [watchdog/0]  13 0.0 0.0 ? S Feb 24 00:00:00 [cpuhp/0]  14 0.0 0.0 ? S Feb 24 00:00:00 [cpuhp/1]  15 0.0 0.0 ? S Feb 24 00:00:00 [watchdog/1]  16 0.0 0.0 ? S Feb 24 00:00:02 [migration/1]  17 0.0 0.0 ? S Feb 24 00:00:02 [ksoftirqd/1]  19 0.0 0.0 ? S< Feb 24 00:00:00 [kworker/1:0H]  20 0.0 0.0 ? S Feb 24 00:00:00 [kdevtmpfs]  21 0.0 0.0 ? S< Feb 24 00:00:00 [netns]  22 0.0 0.0 ? S Feb 24 00:00:00 [xenwatch]  23 0.0 0.0 ? S Feb 24 00:00:00 [xenbus]  25 0.0 0.0 ? S Feb 24 00:00:00 [khungtaskd]  26 0.0 0.0 ? S Feb 24 00:00:14 [khungtaskd2]  27 0.0 0.0 ? S Feb 24 00:00:00 [oom\_reaper]  28 0.0 0.0 ? S< Feb 24 00:00:00 [writeback]  29 0.0 0.0 ? S Feb 24 00:00:00 [kcompactd0]  30 0.0 0.0 ? S< Feb 24 00:00:00 [crypto]  31 0.0 0.0 ? S< Feb 24 00:00:00 [kintegrityd]  32 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  33 0.0 0.0 ? S< Feb 24 00:00:00 [kblockd]  34 0.0 0.0 ? S< Feb 24 00:00:00 [ata\_sff]  35 0.0 0.0 ? S< Feb 24 00:00:00 [edac-poller]  36 0.0 0.0 ? S Feb 24 00:00:00 [dst\_gc\_task]  37 0.0 0.0 ? S< Feb 24 00:00:00 [watchdogd]  39 0.0 0.0 ? S Feb 24 00:00:00 [arp\_cache-prd]  40 0.0 0.0 ? S Feb 24 00:00:00 [icmp\_unreachabl]  41 0.0 0.0 ? S< Feb 24 00:00:00 [rpciod]  42 0.0 0.0 ? S< Feb 24 00:00:00 [xprtiod]  43 0.0 0.0 ? S Feb 24 00:00:00 [kswapd0]  44 0.0 0.0 ? S< Feb 24 00:00:00 [vmstat]  45 0.0 0.0 ? S< Feb 24 00:00:00 [nfsiod]  54 0.0 0.0 ? S< Feb 24 00:00:00 [pcielwd]  55 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  56 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  57 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  58 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  59 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  60 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  61 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  62 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  63 0.0 0.0 ? S< Feb 24 00:00:00 [nvme]  64 0.0 0.0 ? S Feb 24 00:00:00 [scsi\_eh\_0]  65 0.0 0.0 ? S< Feb 24 00:00:00 [scsi\_tmf\_0]  66 0.0 0.0 ? S Feb 24 00:00:00 [scsi\_eh\_1]  67 0.0 0.0 ? S< Feb 24 00:00:00 [scsi\_tmf\_1]  70 0.0 0.0 ? S Feb 24 00:00:00 [ndisc\_cache-prd]  71 0.0 0.0 ? S< Feb 24 00:00:00 [ipv6\_addrconf]  72 0.0 0.0 ? S< Feb 24 00:00:00 [ecc\_log\_wq]  73 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  146 0.0 0.0 ? S Feb 24 00:00:00 [jbd2/xvda1-8]  147 0.0 0.0 ? S< Feb 24 00:00:00 [ext4-rsv-conver]  248 0.0 0.0 ? S< Feb 24 00:00:00 [kworker/0:1H]  336 0.0 0.0 ? S< Feb 24 00:00:00 [loop0]  378 0.0 0.0 ? S< Feb 24 00:00:00 [kworker/1:1H]  440 0.0 0.0 ? S 17:09:58 00:00:00 [kworker/u30:2]  482 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/lib/systemd/systemd-udevd  535 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/sbin/lvmetad -f  796 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/sbin/mcelog --ignorenodev --daemon --foreground  800 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/lib/systemd/systemd-logind  802 0.0 0.0 ? Ss Feb 24 00:00:15 /usr/bin/ProcMonitor  805 0.0 0.2 ? Ss Feb 24 00:00:00 /usr/bin/dbus-daemon --system --address=systemd: --nofork --nopidfile --systemd-activation  810 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/sbin/xinetd -stayalive -pidfile /var/run/xinetd.pid  838 0.0 0.0 ? Ss Feb 24 00:00:03 /usr/sbin/crond -n  877 0.0 0.0 ? S<s Feb 24 00:00:10 /usr/bin/wdogdev -t 100  1025 0.0 0.1 ? S Feb 24 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  1027 0.0 0.0 pts/0 Ss+ Feb 24 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1056 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/bin/SaveFossil --dedup --compress --priority Sysdb --maxFiles 1000 /var/tmp/Fossil /mnt/flash/Fossil  1067 0.0 0.1 ? S Feb 24 00:00:01 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  1068 0.0 0.0 pts/1 Ss+ Feb 24 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1078 0.0 0.1 ? S Feb 24 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  1079 0.0 0.0 pts/2 Ss+ Feb 24 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1106 0.0 0.0 ? Ss Feb 24 00:00:00 /bin/bash /usr/sbin/core\_annotate\_util daemon  1137 0.0 0.0 ? S Feb 24 00:00:00 inotifywait -e modify /var/lib/rpm  1151 0.0 0.0 ? Ss Feb 24 00:00:46 /mnt/flash/dropbear -R -B -p 0.0.0.0:50001  1210 0.0 0.0 ? S<s Feb 24 00:00:00 ovs-vswitchd: monitoring pid 1211 (healthy)   1640 0.0 0.4 ? S Feb 24 00:00:00 netnsd-watcher -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1642 0.0 0.4 ? S Feb 24 00:00:00 netnsd-server -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1701 0.0 1.5 ? S Feb 24 00:00:00 ProcMgr-master  1824 0.0 0.0 ? S Feb 24 00:02:58 /usr/bin/EosOomAdjust  1837 0.0 0.0 ? S Feb 24 00:00:11 [rbfd\_vrf\_cleanu]  1852 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/sbin/acpid  1890 0.0 2.0 ? S Feb 24 00:00:15 StageMgr  1891 0.0 0.0 ? S Feb 24 00:00:55 /usr/bin/SlabMonitor  1893 0.0 2.4 ? S Feb 24 00:00:17 Fru  1894 0.0 4.0 ? S Feb 24 00:07:36 Sysdb  1895 0.0 2.6 ? S Feb 24 00:00:16 Launcher  2085 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Lldp --dlopen procmgr /usr/bin/Lldp  2087 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2089 0.0 2.1 ? S Feb 24 00:05:11 Lldp  2090 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=McastCommon --dlopen procmgr /usr/bin/McastCommon  2092 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=PortSec --dlopen procmgr /usr/bin/PortSec  2096 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Bfd --dlopen procmgr /usr/bin/Bfd  2097 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2098 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2099 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Lag --dlopen procmgr /usr/bin/Lag  2101 0.0 2.0 ? S Feb 24 00:00:23 PortSec  2102 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2106 0.0 2.8 ? S Feb 24 00:10:08 SuperServer  2107 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2108 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Ira --dlopen procmgr /usr/bin/Ira  2109 0.0 2.3 ? S Feb 24 00:00:47 Bfd  2110 0.0 2.0 ? S Feb 24 00:00:35 McastCommon  2113 0.0 2.4 ? S Feb 24 00:02:14 Lag  2117 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2118 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=LedPolicy --dlopen procmgr /usr/bin/LedPolicy  2119 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2120 0.0 2.6 ? S Feb 24 00:00:36 Ira  2122 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Vxlan --dlopen procmgr /usr/bin/Vxlan  2123 0.0 2.0 ? S Feb 24 00:01:01 LedPolicy  2125 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=EventMgr --dlopen procmgr /usr/bin/EventMgr  2126 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2127 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=CapiApp --dlopen procmgr /usr/bin/CapiApp --ini /etc/uwsgi/CapiApp.ini  2128 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2130 0.0 2.2 ? S Feb 24 00:01:36 EventMgr  2131 0.0 2.4 ? S Feb 24 00:00:33 Vxlan  2134 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=StpTxRx --dlopen procmgr /usr/bin/StpTxRx  2136 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2137 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2138 0.0 2.1 ? Sl Feb 24 00:00:15 CapiApp -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2140 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=StandbyCpld --dlopen procmgr /usr/bin/StandbyCpld  2141 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=AgentMonitor --dlopen procmgr /usr/bin/AgentMonitor  2142 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2143 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2146 0.0 1.8 ? S Feb 24 00:00:16 StandbyCpld  2147 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Tunnel --dlopen procmgr /usr/bin/Tunnel  2149 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Arp --dlopen procmgr /usr/bin/Arp  2152 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2154 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2155 0.0 2.0 ? S Feb 24 00:00:23 Tunnel  2156 0.0 2.3 ? Sl Feb 24 00:00:18 Aaa  2157 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=StpTopology --dlopen procmgr /usr/bin/StpTopology  2158 0.0 2.6 ? Sl Feb 24 00:02:29 Arp  2159 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Acl --dlopen procmgr /usr/bin/Acl  2161 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2162 0.0 2.0 ? S Feb 24 00:00:35 StpTopology  2163 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2164 0.0 2.4 ? S Feb 24 00:03:50 Acl  2165 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Stp --dlopen procmgr /usr/bin/Stp  2166 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2167 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=KernelNetworkInfo --dlopen procmgr /usr/bin/KernelNetworkInfo  2169 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2170 0.0 1.8 ? S Feb 24 00:01:27 KernelNetworkInfo  2171 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=McastCommon6 --dlopen procmgr /usr/bin/McastCommon6  2172 0.0 2.0 ? S Feb 24 00:05:06 Stp  2173 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2174 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=LacpTxAgent --dlopen procmgr /usr/bin/LacpTxAgent  2175 0.0 2.0 ? S Feb 24 00:00:35 McastCommon6  2176 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2178 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Fhrp --dlopen procmgr /usr/bin/Fhrp --scheduled  2179 0.0 2.1 ? S Feb 24 00:00:36 LacpTxAgent  2180 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=KernelFib --dlopen procmgr /usr/bin/KernelFib  2181 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2183 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Qos --dlopen procmgr /usr/bin/Qos  2185 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2186 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Thermostat --dlopen procmgr /usr/bin/Thermostat  2187 0.0 2.4 ? S Feb 24 00:00:49 KernelFib  2188 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2189 0.0 2.0 ? S Feb 24 00:00:30 Qos  2190 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2193 0.0 1.8 ? S Feb 24 00:00:34 Thermostat  2194 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=L2Rib --dlopen procmgr /usr/bin/L2Rib  2195 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2196 0.0 2.0 ? S Feb 24 00:00:22 L2Rib  2197 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=TopoAgent --dlopen procmgr /usr/bin/TopoAgent --scheduled  2198 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2200 0.0 2.0 ? S Feb 24 00:00:16 TopoAgent  2201 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=PowerFuse --dlopen procmgr /usr/bin/PowerFuse  2202 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2203 0.0 1.8 ? S Feb 24 00:00:15 PowerFuse  2206 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=VxlanSwFwd --dlopen procmgr /usr/bin/VxlanSwFwd  2207 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2208 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Ebra --dlopen procmgr /usr/bin/Ebra  2209 0.0 2.3 ? S Feb 24 00:00:46 VxlanSwFwd  2210 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=ReloadCauseAgent --dlopen procmgr /usr/bin/ReloadCauseAgent  2212 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2213 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2214 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=SharedSecretProfile --dlopen procmgr /usr/bin/SharedSecretProfile  2215 0.0 2.4 ? S Feb 24 00:00:58 Ebra  2216 0.0 1.8 ? S Feb 24 00:00:16 ReloadCauseAgent  2217 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2218 0.0 2.5 ? S Feb 24 00:00:36 IgmpSnooping  2219 0.0 1.8 ? S Feb 24 00:00:16 SharedSecretProfile  2280 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=StaticRoute --dlopen procmgr /usr/bin/StaticRoute --scheduled  2284 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2286 0.0 2.4 ? S Feb 24 00:00:35 StaticRoute  2288 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=IpRib --dlopen procmgr /usr/bin/IpRib --scheduled  2290 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2291 0.0 2.3 ? S Feb 24 00:00:42 BgpCliHelper  2292 0.0 2.9 ? S Feb 24 00:01:18 IpRib  2294 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=ConnectedRoute --dlopen procmgr /usr/bin/ConnectedRoute  2297 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2298 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=RouteInput --dlopen procmgr /usr/bin/RouteInput  2300 0.0 2.2 ? S Feb 24 00:00:37 ConnectedRoute  2304 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2305 0.0 2.0 ? S Feb 24 00:00:36 EvpnrtrEncap  2306 0.0 2.3 ? S Feb 24 00:00:35 RouteInput  2313 0.0 4.2 ? Sl Feb 24 00:04:47 Bgp  2872 0.0 0.1 ? Ssl Feb 24 00:00:01 /usr/sbin/rsyslogd -n  2911 0.0 0.0 ? S Feb 24 00:00:00 /usr/sbin/dnsmasq  2970 0.0 0.0 ? Ss Feb 24 00:00:00 nginx: master process /usr/sbin/nginx -c /etc/nginx/nginx.conf -g pid /var/run/nginx.pid;  2972 0.0 0.2 ? S Feb 24 00:00:01 nginx: worker process   3051 0.0 0.2 ? Ssl Feb 24 00:00:26 ntpd -u ntp:ntp -g -p /var/run/ntpd.pid  3279 0.0 0.0 ? S Feb 24 00:00:00 /usr/bin/conlogd  3280 0.0 0.0 ttyS0 Ss+ Feb 24 00:00:00 /sbin/mingetty --noclear /dev/ttyS0  3281 0.0 0.0 tty1 Ss+ Feb 24 00:00:00 /sbin/agetty --noclear tty1 linux  3283 0.0 0.0 ? S Feb 24 00:00:00 sh -c /usr/bin/tail -n 0 --retry --follow=name --pid=3279 /var/log/eos-console | sed 's/\(.\*\)/\1\r/'  3285 0.0 0.0 ? S Feb 24 00:00:08 /usr/bin/tail -n 0 --retry --follow=name --pid=3279 /var/log/eos-console  3286 0.0 0.0 ? S Feb 24 00:00:00 sed s/\(.\*\)/\1\r/ 10077 0.0 0.0 ? S 20:09:59 00:00:00 [kworker/u30:1] 10875 0.0 0.0 ? S 20:26:01 00:00:00 [kworker/0:1] 12419 0.0 0.0 ? S 20:54:01 00:00:00 [kworker/0:2] 12566 0.0 0.0 ? S 20:57:01 00:00:00 [kworker/1:2] 13013 0.0 0.0 ? Rs 21:02:25 00:00:00 ps -e -o pid,pcpu,pmem,tt,stat,lstart,start,time,cmd --sort=-pcpu -ww 21862 0.0 0.0 ? S 13:37:00 00:00:00 [kworker/1:0] . |

## 3.3 Test Case: Test 5 min cpu utlization

### 3.3.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 3 |
| Name | test\_5\_min\_cpu\_utlization\_on\_ |
| Description | Verify 5 minute CPU % is under specificied value |
| Device under test | BL1 |
| Show command | show processes |
| Expected output | 10 |
| Actual output | 0.35 |
| Test result | True |
| Fail reason |  |
| Comment | TEST if 5 minute CPU utilization is less than specified value on |BL1|. GIVEN CPU utilization is less than |10|. WHEN CPU utilization is |0.35|. THEN test case result is |True|. OUTPUT of |show processes| is :   21:02:26 up 8 days, 5:39, 0 users, load average: 0.80, 0.63, 0.35  PID %CPU %MEM TT STAT STARTED TIME CMD  2094 1.0 2.5 ? Sl Feb 24 02:08:49 /usr/bin/TerminAttr -ingestgrpcurl=192.168.0.5:9910 -cvcompression=gzip -ingestauth=key,1a38fe7df56879d685e51b6f0ff86327 -smashexcludes=ale,flexCounter,hardware,kni,pulse,strata -ingestexclude=/Sysdb/cell/1/agent,/Sysdb/cell/2/agent -taillogs  2226 0.4 3.3 ? S Feb 24 00:56:16 Etba  1702 0.3 0.6 ? S Feb 24 00:39:09 ProcMgr-worker  1211 0.2 0.9 ? S<Ll Feb 24 00:27:38 ovs-vswitchd unix:/var/run/openvswitch/db.sock -vconsole:emer -vsyslog:err -vfile:info --mlockall --no-chdir --log-file=/var/log/openvswitch/ovs-vswitchd.log --pidfile=/var/run/openvswitch/ovs-vswitchd.pid --detach --monitor  1892 0.1 8.6 ? Sl Feb 24 00:23:38 ConfigAgent  2139 0.1 2.1 ? S Feb 24 00:19:15 StpTxRx  2144 0.1 1.7 ? S Feb 24 00:15:22 AgentMonitor  2184 0.1 2.4 ? S Feb 24 00:21:29 Fhrp  2225 0.1 2.1 ? S Feb 24 00:19:09 PhyEthtool  1 0.0 0.1 ? Ss Feb 24 00:00:07 /sbin/init  2 0.0 0.0 ? S Feb 24 00:00:00 [kthreadd]  3 0.0 0.0 ? S Feb 24 00:00:06 [ksoftirqd/0]  5 0.0 0.0 ? S< Feb 24 00:00:00 [kworker/0:0H]  7 0.0 0.0 ? S Feb 24 00:01:26 [rcu\_preempt]  8 0.0 0.0 ? S Feb 24 00:00:00 [rcu\_sched]  9 0.0 0.0 ? S Feb 24 00:00:00 [rcu\_bh]  10 0.0 0.0 ? S Feb 24 00:00:02 [migration/0]  11 0.0 0.0 ? S< Feb 24 00:00:00 [lru-add-drain]  12 0.0 0.0 ? S Feb 24 00:00:00 [watchdog/0]  13 0.0 0.0 ? S Feb 24 00:00:00 [cpuhp/0]  14 0.0 0.0 ? S Feb 24 00:00:00 [cpuhp/1]  15 0.0 0.0 ? S Feb 24 00:00:00 [watchdog/1]  16 0.0 0.0 ? S Feb 24 00:00:02 [migration/1]  17 0.0 0.0 ? S Feb 24 00:00:02 [ksoftirqd/1]  19 0.0 0.0 ? S< Feb 24 00:00:00 [kworker/1:0H]  20 0.0 0.0 ? S Feb 24 00:00:00 [kdevtmpfs]  21 0.0 0.0 ? S< Feb 24 00:00:00 [netns]  22 0.0 0.0 ? S Feb 24 00:00:00 [xenwatch]  23 0.0 0.0 ? S Feb 24 00:00:00 [xenbus]  25 0.0 0.0 ? S Feb 24 00:00:00 [khungtaskd]  26 0.0 0.0 ? S Feb 24 00:00:14 [khungtaskd2]  27 0.0 0.0 ? S Feb 24 00:00:00 [oom\_reaper]  28 0.0 0.0 ? S< Feb 24 00:00:00 [writeback]  29 0.0 0.0 ? S Feb 24 00:00:00 [kcompactd0]  30 0.0 0.0 ? S< Feb 24 00:00:00 [crypto]  31 0.0 0.0 ? S< Feb 24 00:00:00 [kintegrityd]  32 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  33 0.0 0.0 ? S< Feb 24 00:00:00 [kblockd]  34 0.0 0.0 ? S< Feb 24 00:00:00 [ata\_sff]  35 0.0 0.0 ? S< Feb 24 00:00:00 [edac-poller]  36 0.0 0.0 ? S Feb 24 00:00:00 [dst\_gc\_task]  37 0.0 0.0 ? S< Feb 24 00:00:00 [watchdogd]  39 0.0 0.0 ? S Feb 24 00:00:00 [arp\_cache-prd]  40 0.0 0.0 ? S Feb 24 00:00:00 [icmp\_unreachabl]  41 0.0 0.0 ? S< Feb 24 00:00:00 [rpciod]  42 0.0 0.0 ? S< Feb 24 00:00:00 [xprtiod]  43 0.0 0.0 ? S Feb 24 00:00:00 [kswapd0]  44 0.0 0.0 ? S< Feb 24 00:00:00 [vmstat]  45 0.0 0.0 ? S< Feb 24 00:00:00 [nfsiod]  54 0.0 0.0 ? S< Feb 24 00:00:00 [pcielwd]  55 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  56 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  57 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  58 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  59 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  60 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  61 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  62 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  63 0.0 0.0 ? S< Feb 24 00:00:00 [nvme]  64 0.0 0.0 ? S Feb 24 00:00:00 [scsi\_eh\_0]  65 0.0 0.0 ? S< Feb 24 00:00:00 [scsi\_tmf\_0]  66 0.0 0.0 ? S Feb 24 00:00:00 [scsi\_eh\_1]  67 0.0 0.0 ? S< Feb 24 00:00:00 [scsi\_tmf\_1]  70 0.0 0.0 ? S Feb 24 00:00:00 [ndisc\_cache-prd]  71 0.0 0.0 ? S< Feb 24 00:00:00 [ipv6\_addrconf]  72 0.0 0.0 ? S< Feb 24 00:00:00 [ecc\_log\_wq]  73 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  146 0.0 0.0 ? S Feb 24 00:00:00 [jbd2/xvda1-8]  147 0.0 0.0 ? S< Feb 24 00:00:00 [ext4-rsv-conver]  248 0.0 0.0 ? S< Feb 24 00:00:00 [kworker/0:1H]  336 0.0 0.0 ? S< Feb 24 00:00:00 [loop0]  378 0.0 0.0 ? S< Feb 24 00:00:00 [kworker/1:1H]  440 0.0 0.0 ? S 17:09:58 00:00:00 [kworker/u30:2]  482 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/lib/systemd/systemd-udevd  535 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/sbin/lvmetad -f  796 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/sbin/mcelog --ignorenodev --daemon --foreground  800 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/lib/systemd/systemd-logind  802 0.0 0.0 ? Ss Feb 24 00:00:15 /usr/bin/ProcMonitor  805 0.0 0.2 ? Ss Feb 24 00:00:00 /usr/bin/dbus-daemon --system --address=systemd: --nofork --nopidfile --systemd-activation  810 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/sbin/xinetd -stayalive -pidfile /var/run/xinetd.pid  838 0.0 0.0 ? Ss Feb 24 00:00:03 /usr/sbin/crond -n  877 0.0 0.0 ? S<s Feb 24 00:00:10 /usr/bin/wdogdev -t 100  1025 0.0 0.1 ? S Feb 24 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  1027 0.0 0.0 pts/0 Ss+ Feb 24 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1056 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/bin/SaveFossil --dedup --compress --priority Sysdb --maxFiles 1000 /var/tmp/Fossil /mnt/flash/Fossil  1067 0.0 0.1 ? S Feb 24 00:00:01 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  1068 0.0 0.0 pts/1 Ss+ Feb 24 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1078 0.0 0.1 ? S Feb 24 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  1079 0.0 0.0 pts/2 Ss+ Feb 24 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1106 0.0 0.0 ? Ss Feb 24 00:00:00 /bin/bash /usr/sbin/core\_annotate\_util daemon  1137 0.0 0.0 ? S Feb 24 00:00:00 inotifywait -e modify /var/lib/rpm  1151 0.0 0.0 ? Ss Feb 24 00:00:46 /mnt/flash/dropbear -R -B -p 0.0.0.0:50001  1210 0.0 0.0 ? S<s Feb 24 00:00:00 ovs-vswitchd: monitoring pid 1211 (healthy)   1640 0.0 0.4 ? S Feb 24 00:00:00 netnsd-watcher -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1642 0.0 0.4 ? S Feb 24 00:00:00 netnsd-server -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1701 0.0 1.5 ? S Feb 24 00:00:00 ProcMgr-master  1824 0.0 0.0 ? S Feb 24 00:02:58 /usr/bin/EosOomAdjust  1837 0.0 0.0 ? S Feb 24 00:00:11 [rbfd\_vrf\_cleanu]  1852 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/sbin/acpid  1890 0.0 2.0 ? S Feb 24 00:00:15 StageMgr  1891 0.0 0.0 ? S Feb 24 00:00:55 /usr/bin/SlabMonitor  1893 0.0 2.4 ? S Feb 24 00:00:17 Fru  1894 0.0 4.0 ? S Feb 24 00:07:36 Sysdb  1895 0.0 2.6 ? S Feb 24 00:00:16 Launcher  2085 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Lldp --dlopen procmgr /usr/bin/Lldp  2087 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2089 0.0 2.1 ? S Feb 24 00:05:11 Lldp  2090 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=McastCommon --dlopen procmgr /usr/bin/McastCommon  2092 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=PortSec --dlopen procmgr /usr/bin/PortSec  2096 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Bfd --dlopen procmgr /usr/bin/Bfd  2097 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2098 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2099 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Lag --dlopen procmgr /usr/bin/Lag  2101 0.0 2.0 ? S Feb 24 00:00:23 PortSec  2102 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2106 0.0 2.8 ? S Feb 24 00:10:08 SuperServer  2107 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2108 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Ira --dlopen procmgr /usr/bin/Ira  2109 0.0 2.3 ? S Feb 24 00:00:47 Bfd  2110 0.0 2.0 ? S Feb 24 00:00:35 McastCommon  2113 0.0 2.4 ? S Feb 24 00:02:14 Lag  2117 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2118 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=LedPolicy --dlopen procmgr /usr/bin/LedPolicy  2119 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2120 0.0 2.6 ? S Feb 24 00:00:36 Ira  2122 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Vxlan --dlopen procmgr /usr/bin/Vxlan  2123 0.0 2.0 ? S Feb 24 00:01:01 LedPolicy  2125 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=EventMgr --dlopen procmgr /usr/bin/EventMgr  2126 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2127 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=CapiApp --dlopen procmgr /usr/bin/CapiApp --ini /etc/uwsgi/CapiApp.ini  2128 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2130 0.0 2.2 ? S Feb 24 00:01:36 EventMgr  2131 0.0 2.4 ? S Feb 24 00:00:33 Vxlan  2134 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=StpTxRx --dlopen procmgr /usr/bin/StpTxRx  2136 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2137 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2138 0.0 2.1 ? Sl Feb 24 00:00:15 CapiApp -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2140 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=StandbyCpld --dlopen procmgr /usr/bin/StandbyCpld  2141 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=AgentMonitor --dlopen procmgr /usr/bin/AgentMonitor  2142 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2143 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2146 0.0 1.8 ? S Feb 24 00:00:16 StandbyCpld  2147 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Tunnel --dlopen procmgr /usr/bin/Tunnel  2149 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Arp --dlopen procmgr /usr/bin/Arp  2152 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2154 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2155 0.0 2.0 ? S Feb 24 00:00:23 Tunnel  2156 0.0 2.3 ? Sl Feb 24 00:00:18 Aaa  2157 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=StpTopology --dlopen procmgr /usr/bin/StpTopology  2158 0.0 2.6 ? Sl Feb 24 00:02:29 Arp  2159 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Acl --dlopen procmgr /usr/bin/Acl  2161 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2162 0.0 2.0 ? S Feb 24 00:00:35 StpTopology  2163 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2164 0.0 2.4 ? S Feb 24 00:03:50 Acl  2165 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Stp --dlopen procmgr /usr/bin/Stp  2166 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2167 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=KernelNetworkInfo --dlopen procmgr /usr/bin/KernelNetworkInfo  2169 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2170 0.0 1.8 ? S Feb 24 00:01:27 KernelNetworkInfo  2171 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=McastCommon6 --dlopen procmgr /usr/bin/McastCommon6  2172 0.0 2.0 ? S Feb 24 00:05:06 Stp  2173 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2174 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=LacpTxAgent --dlopen procmgr /usr/bin/LacpTxAgent  2175 0.0 2.0 ? S Feb 24 00:00:35 McastCommon6  2176 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2178 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Fhrp --dlopen procmgr /usr/bin/Fhrp --scheduled  2179 0.0 2.1 ? S Feb 24 00:00:36 LacpTxAgent  2180 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=KernelFib --dlopen procmgr /usr/bin/KernelFib  2181 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2183 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Qos --dlopen procmgr /usr/bin/Qos  2185 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2186 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Thermostat --dlopen procmgr /usr/bin/Thermostat  2187 0.0 2.4 ? S Feb 24 00:00:49 KernelFib  2188 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2189 0.0 2.0 ? S Feb 24 00:00:30 Qos  2190 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2193 0.0 1.8 ? S Feb 24 00:00:34 Thermostat  2194 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=L2Rib --dlopen procmgr /usr/bin/L2Rib  2195 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2196 0.0 2.0 ? S Feb 24 00:00:22 L2Rib  2197 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=TopoAgent --dlopen procmgr /usr/bin/TopoAgent --scheduled  2198 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2200 0.0 2.0 ? S Feb 24 00:00:16 TopoAgent  2201 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=PowerFuse --dlopen procmgr /usr/bin/PowerFuse  2202 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2203 0.0 1.8 ? S Feb 24 00:00:15 PowerFuse  2206 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=VxlanSwFwd --dlopen procmgr /usr/bin/VxlanSwFwd  2207 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2208 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Ebra --dlopen procmgr /usr/bin/Ebra  2209 0.0 2.3 ? S Feb 24 00:00:46 VxlanSwFwd  2210 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=ReloadCauseAgent --dlopen procmgr /usr/bin/ReloadCauseAgent  2212 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2213 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2214 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=SharedSecretProfile --dlopen procmgr /usr/bin/SharedSecretProfile  2215 0.0 2.4 ? S Feb 24 00:00:58 Ebra  2216 0.0 1.8 ? S Feb 24 00:00:16 ReloadCauseAgent  2217 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2218 0.0 2.5 ? S Feb 24 00:00:36 IgmpSnooping  2219 0.0 1.8 ? S Feb 24 00:00:16 SharedSecretProfile  2280 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=StaticRoute --dlopen procmgr /usr/bin/StaticRoute --scheduled  2284 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2286 0.0 2.4 ? S Feb 24 00:00:35 StaticRoute  2288 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=IpRib --dlopen procmgr /usr/bin/IpRib --scheduled  2290 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2291 0.0 2.3 ? S Feb 24 00:00:42 BgpCliHelper  2292 0.0 2.9 ? S Feb 24 00:01:18 IpRib  2294 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=ConnectedRoute --dlopen procmgr /usr/bin/ConnectedRoute  2297 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2298 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=RouteInput --dlopen procmgr /usr/bin/RouteInput  2300 0.0 2.2 ? S Feb 24 00:00:37 ConnectedRoute  2304 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2305 0.0 2.0 ? S Feb 24 00:00:36 EvpnrtrEncap  2306 0.0 2.3 ? S Feb 24 00:00:35 RouteInput  2313 0.0 4.2 ? Sl Feb 24 00:04:47 Bgp  2872 0.0 0.1 ? Ssl Feb 24 00:00:01 /usr/sbin/rsyslogd -n  2911 0.0 0.0 ? S Feb 24 00:00:00 /usr/sbin/dnsmasq  2970 0.0 0.0 ? Ss Feb 24 00:00:00 nginx: master process /usr/sbin/nginx -c /etc/nginx/nginx.conf -g pid /var/run/nginx.pid;  2972 0.0 0.2 ? S Feb 24 00:00:01 nginx: worker process   3051 0.0 0.2 ? Ssl Feb 24 00:00:26 ntpd -u ntp:ntp -g -p /var/run/ntpd.pid  3279 0.0 0.0 ? S Feb 24 00:00:00 /usr/bin/conlogd  3280 0.0 0.0 ttyS0 Ss+ Feb 24 00:00:00 /sbin/mingetty --noclear /dev/ttyS0  3281 0.0 0.0 tty1 Ss+ Feb 24 00:00:00 /sbin/agetty --noclear tty1 linux  3283 0.0 0.0 ? S Feb 24 00:00:00 sh -c /usr/bin/tail -n 0 --retry --follow=name --pid=3279 /var/log/eos-console | sed 's/\(.\*\)/\1\r/'  3285 0.0 0.0 ? S Feb 24 00:00:08 /usr/bin/tail -n 0 --retry --follow=name --pid=3279 /var/log/eos-console  3286 0.0 0.0 ? S Feb 24 00:00:00 sed s/\(.\*\)/\1\r/ 10077 0.0 0.0 ? S 20:09:59 00:00:00 [kworker/u30:1] 10875 0.0 0.0 ? S 20:26:01 00:00:00 [kworker/0:1] 12419 0.0 0.0 ? S 20:54:01 00:00:00 [kworker/0:2] 12566 0.0 0.0 ? S 20:57:01 00:00:00 [kworker/1:2] 13013 0.0 0.0 ? Rs 21:02:25 00:00:00 ps -e -o pid,pcpu,pmem,tt,stat,lstart,start,time,cmd --sort=-pcpu -ww 21862 0.0 0.0 ? S 13:37:00 00:00:00 [kworker/1:0] . |

# 4. Detailed Test Suite Results: Ztp

## 4.1 Test Case: Test for zerotouch config file

### 4.1.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 4 |
| Name | test\_for\_zerotouch\_config\_file\_on\_ |
| Description | Verify zerotoucn-config file is on flash |
| Device under test | BL1 |
| Show command | dir flash:zerotouch-config |
| Expected output | True |
| Actual output | True |
| Test result | True |
| Fail reason |  |
| Comment | TEST is ZTP configuration file on |BL1|. 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 Aug 12 2020 zerotouch-config  8319852544 bytes total (7341453312 bytes free) |

## 4.2 Test Case: Test if zerotouch is disabled

### 4.2.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 5 |
| Name | test\_if\_zerotouch\_is\_disabled\_on\_ |
| Description | Verify local log messages |
| Device under test | BL1 |
| Show command | show zerotouch |
| Expected output | disabled |
| Actual output | disabled |
| Test result | True |
| Fail reason |  |
| Comment | TEST is ZTP disabled on |BL1|. 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. Detailed Test Suite Results: Daemon

## 5.1 Test Case: Test if daemons are enabled

### 5.1.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 6 |
| Name | test\_if\_daemons\_are\_enabled\_on\_ |
| Description | Verify a list of daemons are enabled on DUT |
| Device under test | BL1 |
| Show command | show daemon |
| Expected output | [True] |
| Actual output | [True] |
| Test result | True |
| Fail reason |  |
| Comment | TEST is TerminAttr daemon enabled on |BL1|. 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 2094) Uptime: 8 days, 5:37:52 (Start time: Thu Feb 24 15:24:33 2022) No configuration options stored.  No status data stored.  . |

## 5.2 Test Case: Test if daemons are running

### 5.2.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 7 |
| Name | test\_if\_daemons\_are\_running\_on\_ |
| Description | Verify a list of daemons are running on DUT |
| Device under test | BL1 |
| Show command | show daemon |
| Expected output | [True] |
| Actual output | [True] |
| Test result | True |
| Fail reason |  |
| Comment | TEST is TerminAttr daemon running on |BL1|. 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 2094) Uptime: 8 days, 5:37:52 (Start time: Thu Feb 24 15:24:33 2022) No configuration options stored.  No status data stored.  . |

# 6. Detailed Test Suite Results: System

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

### 6.1.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 8 |
| Name | test\_if\_eos\_version\_is\_correct\_on\_ |
| Description | Verifies EOS version running on the device |
| Device under test | BL1 |
| Show command | show version |
| Expected output | 4.24.2F |
| Actual output | 4.24.2F |
| Test result | True |
| Fail reason |  |
| Comment | TEST EOS version running on the device on |BL1|. GIVEN version is |4.24.2F|. WHEN version is |4.24.2F|. THEN test case result is |True|. OUTPUT of |show version| is:   vEOS Hardware version:  Serial number:  Hardware MAC address: d40e.13c9.79dd System MAC address: d40e.13c9.79dd  Software image version: 4.24.2F Architecture: i686 Internal build version: 4.24.2F-18436385.4242F Internal build ID: 03cdce3a-550e-46a8-88e5-4b27656fd2e5  Uptime: 1 weeks, 1 days, 5 hours and 39 minutes Total memory: 4006912 kB Free memory: 2956384 kB |

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

### 6.2.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 9 |
| Name | test\_if\_there\_is\_agents\_have\_crashed\_on\_ |
| Description | Verifies the agents logs crash is empty |
| Device under test | BL1 |
| Show command | None |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |
| Comment | TEST number of agent crashes on |BL1|. GIVEN |0| agent crashes. WHEN |0| agent crashes. THEN test case result is |True|. OUTPUT of |show agent logs crash| is: . |

# 7. Detailed Test Suite Results: Filesystem

## 7.1 Test Case: Test if files

### 7.1.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 10 |
| Name | test\_if\_files\_on\_ |
| Description | Verify filesystem is correct and expected files are present |
| Device under test | BL1 |
| 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 |BL1|. 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 |BL1|. 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 |BL1|. 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'}]. |

# 8. Detailed Test Suite Results: Host

## 8.1 Test Case: Test if hostname is correcet

### 8.1.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 11 |
| Name | test\_if\_hostname\_is\_correcet\_on\_ |
| Description | Verify hostname is set on device is correct |
| Device under test | BL1 |
| Show command | show hostname |
| Expected output | BL1 |
| Actual output | BL1 |
| Test result | True |
| Fail reason |  |
| Comment | TEST is hostname correct. GIVEN hostname |BL1|. WHEN hostname is |BL1|. THEN test case result is |True|. OUTPUT of |show hostname| is :  Hostname: BL1 FQDN: BL1 |

# 9. Detailed Test Suite Results: Interface

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

### 9.1.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 12 |
| Name | test\_if\_intf\_link\_status\_is\_connected\_on\_ |
| Description | Verify the interfaces of interest link statuses are connected |
| Device under test | BL1 |
| Show command | show interfaces status |
| Expected output | ['connected', 'connected'] |
| Actual output | ['connected', 'connected'] |
| Test result | True |
| Fail reason |  |
| Comment | TEST if interface |Ethernet1| link status on |BL1|. GIVEN interface status is |connected|. WHEN interface status is |connected|. THEN test case result is |True|.  TEST if interface |Ethernet2| link status on |BL1|. 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 P2P\_LINK\_TO\_DCBB1\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et2 P2P\_LINK\_TO\_DCBB2\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et3 P2P\_LINK\_TO\_DCBB3\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et4 P2P\_LINK\_TO\_DCBB4\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et5 P2P\_LINK\_TO\_SPINE1\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et6 P2P\_LINK\_TO\_SPINE2\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et7 P2P\_LINK\_TO\_SPINE3\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et8 P2P\_LINK\_TO\_SPINE4\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et9 P2P\_LINK\_TO\_SPINE5\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et10 P2P\_LINK\_TO\_SPINE6\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et11 connected 1 full unconf EbraTestPhyPort  Et12 connected 1 full unconf EbraTestPhyPort  Et13 connected 1 full unconf EbraTestPhyPort  Et14 connected 1 full unconf EbraTestPhyPort  Et15 connected 1 full unconf EbraTestPhyPort  Et16 connected 1 full unconf EbraTestPhyPort  Et17 connected 1 full unconf EbraTestPhyPort  Et18 connected 1 full unconf EbraTestPhyPort  Et19 connected 1 full unconf EbraTestPhyPort  Et20 connected 1 full unconf EbraTestPhyPort  Et21 connected 1 full unconf EbraTestPhyPort  Et22 connected 1 full unconf EbraTestPhyPort  Et23 connected 1 full unconf EbraTestPhyPort  Et24 connected 1 full unconf EbraTestPhyPort  Et25 connected 1 full unconf EbraTestPhyPort  Et26 connected 1 full unconf EbraTestPhyPort  Et27 connected 1 full unconf EbraTestPhyPort  Et28 connected 1 full unconf EbraTestPhyPort  Et29 connected 1 full unconf EbraTestPhyPort  Et30 connected 1 full unconf EbraTestPhyPort  Et31 connected 1 full unconf EbraTestPhyPort  Et32 connected 1 full unconf EbraTestPhyPort  Ma1 oob\_management connected routed a-full a-1G 10/100/1000   . |

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

### 9.2.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 13 |
| Name | test\_if\_intf\_protocol\_status\_is\_connected\_on\_ |
| Description | Verify the interfaces of interest protocol statuses are connected |
| Device under test | BL1 |
| Show command | show interfaces status |
| Expected output | ['up', 'up'] |
| Actual output | ['up', 'up'] |
| Test result | True |
| Fail reason |  |
| Comment | TEST if interface |Ethernet1| link prootocol statuses on |BL1|. GIVEN interface status is |up|. WHEN interface status is |up|. THEN test case result is |True|.  TEST if interface |Ethernet2| link prootocol statuses on |BL1|. 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 P2P\_LINK\_TO\_DCBB1\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et2 P2P\_LINK\_TO\_DCBB2\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et3 P2P\_LINK\_TO\_DCBB3\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et4 P2P\_LINK\_TO\_DCBB4\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et5 P2P\_LINK\_TO\_SPINE1\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et6 P2P\_LINK\_TO\_SPINE2\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et7 P2P\_LINK\_TO\_SPINE3\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et8 P2P\_LINK\_TO\_SPINE4\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et9 P2P\_LINK\_TO\_SPINE5\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et10 P2P\_LINK\_TO\_SPINE6\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et11 connected 1 full unconf EbraTestPhyPort  Et12 connected 1 full unconf EbraTestPhyPort  Et13 connected 1 full unconf EbraTestPhyPort  Et14 connected 1 full unconf EbraTestPhyPort  Et15 connected 1 full unconf EbraTestPhyPort  Et16 connected 1 full unconf EbraTestPhyPort  Et17 connected 1 full unconf EbraTestPhyPort  Et18 connected 1 full unconf EbraTestPhyPort  Et19 connected 1 full unconf EbraTestPhyPort  Et20 connected 1 full unconf EbraTestPhyPort  Et21 connected 1 full unconf EbraTestPhyPort  Et22 connected 1 full unconf EbraTestPhyPort  Et23 connected 1 full unconf EbraTestPhyPort  Et24 connected 1 full unconf EbraTestPhyPort  Et25 connected 1 full unconf EbraTestPhyPort  Et26 connected 1 full unconf EbraTestPhyPort  Et27 connected 1 full unconf EbraTestPhyPort  Et28 connected 1 full unconf EbraTestPhyPort  Et29 connected 1 full unconf EbraTestPhyPort  Et30 connected 1 full unconf EbraTestPhyPort  Et31 connected 1 full unconf EbraTestPhyPort  Et32 connected 1 full unconf EbraTestPhyPort  Ma1 oob\_management connected routed a-full a-1G 10/100/1000   . |

# 10. Detailed Test Suite Results: Logging

## 10.1 Test Case: Test if log messages appear

### 10.1.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 14 |
| Name | test\_if\_log\_messages\_appear\_on\_ |
| Description | Verify local log messages |
| Device under test | BL1 |
| 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 |BL1|. GIVEN message presence is |False|. WHEN message presence is |False|. THEN test case result is |True|.  Test for log message |warning| on |BL1|. GIVEN message presence is |False|. WHEN message presence is |False|. THEN test case result is |True|.  Test for log message |ECC| on |BL1|. GIVEN message presence is |False|. WHEN message presence is |False|. THEN test case result is |True|.  Test for log message |servers errors| on |BL1|. GIVEN message presence is |False|. WHEN message presence is |False|. THEN test case result is |True|.  Test for log message |parity| on |BL1|. 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  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  postcardtelemetry 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: Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet30 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet16 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet32 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet23 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet15 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet24 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet14 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet11 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet19 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet31 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet13 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet21 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet28 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet25 instance MST0 moving from discarding to learning Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet25 instance MST0 moving from learning to forwarding Feb 24 15:26:04 BL1 Stp: %SPANTREE-6-STABLE\_CHANGE: Stp state is now stable Feb 24 15:27:12 BL1 SuperServer: %SYS-5-SYSTEM\_RESTARTED: System restarted Feb 24 15:27:12 BL1 SuperServer: %SYS-6-SYSTEM\_INFO: Software image version: 4.24.2F Feb 24 15:27:12 BL1 SuperServer: %SYS-6-SYSTEM\_INFO: Model: vEOS Feb 24 15:27:12 BL1 SuperServer: %SYS-6-SYSTEM\_INFO: Serial number:  Feb 24 15:29:07 BL1 SuperServer: %SYS-5-CLI\_SCHEDULER\_ENABLED: CliScheduler is enabled, continuing its execution of scheduled CLI jobs. Feb 24 15:34:53 BL1 ReloadCauseAgent: %SYS-6-SYSTEM\_INFO: Reload Cause 1: Reload requested by the user. Mar 2 14:43:27 BL1 Lldp: %LLDP-5-NEIGHBOR\_TIMEOUT: LLDP neighbor with chassisId d4f6.ef17.ea7b and portId "Ethernet1" timed out on interface Ethernet8 Mar 2 14:44:10 BL1 Bgp: %BGP-5-ADJCHANGE: peer 172.31.254.25 (VRF default AS 65000) old state Established event Stop new state Idle Mar 2 14:44:10 BL1 Bgp: %BGP-3-NOTIFICATION: sent to neighbor 172.31.254.25 (VRF default AS 65000) 4/0 (Hold Timer Expired Error/None) 0 bytes Mar 2 14:54:11 BL1 Lldp: %LLDP-5-NEIGHBOR\_NEW: LLDP neighbor with chassisId d4f6.ef17.ea7b and portId "Ethernet1" added on interface Ethernet8 Mar 2 14:54:12 BL1 Bgp: %BGP-5-ADJCHANGE: peer 172.31.254.25 (VRF default AS 65000) old state OpenConfirm event Established new state Established Mar 4 00:28:23 BL1 Lldp: %LLDP-5-NEIGHBOR\_TIMEOUT: LLDP neighbor with chassisId d422.cde5.3720 and portId "Ethernet1" timed out on interface Ethernet9 Mar 4 00:28:52 BL1 Bgp: %BGP-5-ADJCHANGE: peer 172.31.254.33 (VRF default AS 65000) old state Established event Stop new state Idle Mar 4 00:28:52 BL1 Bgp: %BGP-3-NOTIFICATION: sent to neighbor 172.31.254.33 (VRF default AS 65000) 4/0 (Hold Timer Expired Error/None) 0 bytes Mar 4 00:31:37 BL1 Lldp: %LLDP-5-NEIGHBOR\_NEW: LLDP neighbor with chassisId d422.cde5.3720 and portId "Ethernet1" added on interface Ethernet9 Mar 4 00:31:37 BL1 Bgp: %BGP-5-ADJCHANGE: peer 172.31.254.33 (VRF default AS 65000) old state OpenConfirm event Established new state Established . |

# 11. Detailed Test Suite Results: Api

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

### 11.1.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 15 |
| Name | test\_if\_management\_http\_api\_server\_is\_running\_on\_ |
| Description | Verify management api http server is not running |
| Device under test | BL1 |
| 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 |BL1|.  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: 80 Last hit: 0 seconds ago Bytes in: 31976 Bytes out: 2642909 Requests: 51 Commands: 321 Duration: 16.281 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  -------------- -------------- -------------- --------------- -------------   cvpadmin 51 31976 2642909 0 seconds ago   URLs  ---------------------------------------  Ethernet1 : https://172.31.253.1:443  Ethernet2 : https://172.31.253.3:443  Ethernet3 : https://172.31.253.5:443  Ethernet4 : https://172.31.253.7:443  Ethernet5 : https://172.31.254.0:443  Ethernet6 : https://172.31.254.8:443  Ethernet7 : https://172.31.254.16:443  Ethernet8 : https://172.31.254.24:443  Ethernet9 : https://172.31.254.32:443  Ethernet10 : https://172.31.254.40:443  Loopback0 : https://192.168.252.1:443  Loopback1 : https://10.168.255.1:443  Management1 : https://192.168.0.20:443 |

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

### 11.2.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 16 |
| Name | test\_if\_management\_https\_api\_server\_is\_enabled\_on\_ |
| Description | Verify management api https server is enabled |
| Device under test | BL1 |
| 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 |BL1|.  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: 80 Last hit: 0 seconds ago Bytes in: 31976 Bytes out: 2642909 Requests: 51 Commands: 321 Duration: 16.281 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  -------------- -------------- -------------- --------------- -------------   cvpadmin 51 31976 2642909 0 seconds ago   URLs  ---------------------------------------  Ethernet1 : https://172.31.253.1:443  Ethernet2 : https://172.31.253.3:443  Ethernet3 : https://172.31.253.5:443  Ethernet4 : https://172.31.253.7:443  Ethernet5 : https://172.31.254.0:443  Ethernet6 : https://172.31.254.8:443  Ethernet7 : https://172.31.254.16:443  Ethernet8 : https://172.31.254.24:443  Ethernet9 : https://172.31.254.32:443  Ethernet10 : https://172.31.254.40:443  Loopback0 : https://192.168.252.1:443  Loopback1 : https://10.168.255.1:443  Management1 : https://192.168.0.20:443 |

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

### 11.3.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 17 |
| Name | test\_if\_management\_https\_api\_server\_is\_running\_on\_ |
| Description | Verify management api https server is running |
| Device under test | BL1 |
| 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 |BL1|.  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: 80 Last hit: 0 seconds ago Bytes in: 31976 Bytes out: 2642909 Requests: 51 Commands: 321 Duration: 16.281 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  -------------- -------------- -------------- --------------- -------------   cvpadmin 51 31976 2642909 0 seconds ago   URLs  ---------------------------------------  Ethernet1 : https://172.31.253.1:443  Ethernet2 : https://172.31.253.3:443  Ethernet3 : https://172.31.253.5:443  Ethernet4 : https://172.31.253.7:443  Ethernet5 : https://172.31.254.0:443  Ethernet6 : https://172.31.254.8:443  Ethernet7 : https://172.31.254.16:443  Ethernet8 : https://172.31.254.24:443  Ethernet9 : https://172.31.254.32:443  Ethernet10 : https://172.31.254.40:443  Loopback0 : https://192.168.252.1:443  Loopback1 : https://10.168.255.1:443  Management1 : https://192.168.0.20:443 |

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

### 11.4.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 18 |
| Name | test\_if\_management\_https\_api\_server\_port\_is\_correct\_on\_ |
| Description | Verify https server is enabled on port 443 |
| Device under test | BL1 |
| 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 |BL1|.  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: 80 Last hit: 0 seconds ago Bytes in: 31976 Bytes out: 2642909 Requests: 51 Commands: 321 Duration: 16.281 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  -------------- -------------- -------------- --------------- -------------   cvpadmin 51 31976 2642909 0 seconds ago   URLs  ---------------------------------------  Ethernet1 : https://172.31.253.1:443  Ethernet2 : https://172.31.253.3:443  Ethernet3 : https://172.31.253.5:443  Ethernet4 : https://172.31.253.7:443  Ethernet5 : https://172.31.254.0:443  Ethernet6 : https://172.31.254.8:443  Ethernet7 : https://172.31.254.16:443  Ethernet8 : https://172.31.254.24:443  Ethernet9 : https://172.31.254.32:443  Ethernet10 : https://172.31.254.40:443  Loopback0 : https://192.168.252.1:443  Loopback1 : https://10.168.255.1:443  Management1 : https://192.168.0.20:443 |

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

### 11.5.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 19 |
| Name | test\_if\_management\_local\_http\_api\_server\_is\_running\_on\_ |
| Description | Verify management api local httpserver is not running |
| Device under test | BL1 |
| 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 |BL1|.  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: 80 Last hit: 0 seconds ago Bytes in: 31976 Bytes out: 2642909 Requests: 51 Commands: 321 Duration: 16.281 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  -------------- -------------- -------------- --------------- -------------   cvpadmin 51 31976 2642909 0 seconds ago   URLs  ---------------------------------------  Ethernet1 : https://172.31.253.1:443  Ethernet2 : https://172.31.253.3:443  Ethernet3 : https://172.31.253.5:443  Ethernet4 : https://172.31.253.7:443  Ethernet5 : https://172.31.254.0:443  Ethernet6 : https://172.31.254.8:443  Ethernet7 : https://172.31.254.16:443  Ethernet8 : https://172.31.254.24:443  Ethernet9 : https://172.31.254.32:443  Ethernet10 : https://172.31.254.40:443  Loopback0 : https://192.168.252.1:443  Loopback1 : https://10.168.255.1:443  Management1 : https://192.168.0.20:443 |

# 12. Detailed Test Suite Results: Users

## 12.1 Test Case: Test if usernames are configured

### 12.1.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 20 |
| Name | test\_if\_usernames\_are\_configured\_on\_ |
| Description | Verify username is set correctly |
| Device under test | BL1 |
| Show command | show running-config section username |
| Expected output | [True] |
| Actual output | [True] |
| Test result | True |
| Fail reason |  |
| Comment | TEST is admin username configured on |BL1|. GIVEN username configured status: |True|. WHEN username configured status: |True|. THEN test case result is |True|.  OUTPUT of |show running-config section username| is :  username admin privilege 15 role network-admin secret sha512 $6$Df86J4/SFMDE3/1K$Hef4KstdoxNDaami37cBquTWOTplC.miMPjXVgQxMe92.e5wxlnXOLlebgPj8Fz1KO0za/RCO7ZIs4Q6Eiq1g1 username ansible privilege 15 role network-admin secret sha512 $6$Dzu11L7yp9j3nCM9$FSptxMPyIL555OMO.ldnjDXgwZmrfMYwHSr0uznE5Qoqvd9a6UdjiFcJUhGLtvXVZR1r.A/iF5aAt50hf/EK4/ username cvpadmin privilege 15 role network-admin secret sha512 $6$qI16FDuEyTyahgyH$su2QQ4zgkOLu1269G7PM1pdM0xHV0AeBJ6nSUzCcGeTrIqCJYpEK8t/KKDtUy6Q8YyUGoYe2ZFPNYqprB482b0 . |

# 13. Detailed Test Suite Results: Memory

## 13.1 Test Case: Test memory utilization

### 13.1.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 21 |
| Name | test\_memory\_utilization\_on\_ |
| Description | Verify memory is not exceeding high utlization |
| Device under test | BL1 |
| Show command | show version |
| Expected output | 80 |
| Actual output | 73.7868962432916 |
| Test result | True |
| Fail reason |  |
| Comment | TEST if memory utilization is less than specified value on |BL1|. GIVEN memory utilization is less than |80|. WHEN memory utilization is |73.7868962432916|. THEN test case result is |True|. OUTPUT of |show version| is:   vEOS Hardware version:  Serial number:  Hardware MAC address: d40e.13c9.79dd System MAC address: d40e.13c9.79dd  Software image version: 4.24.2F Architecture: i686 Internal build version: 4.24.2F-18436385.4242F Internal build ID: 03cdce3a-550e-46a8-88e5-4b27656fd2e5  Uptime: 1 weeks, 1 days, 5 hours and 39 minutes Total memory: 4006912 kB Free memory: 2956384 kB |