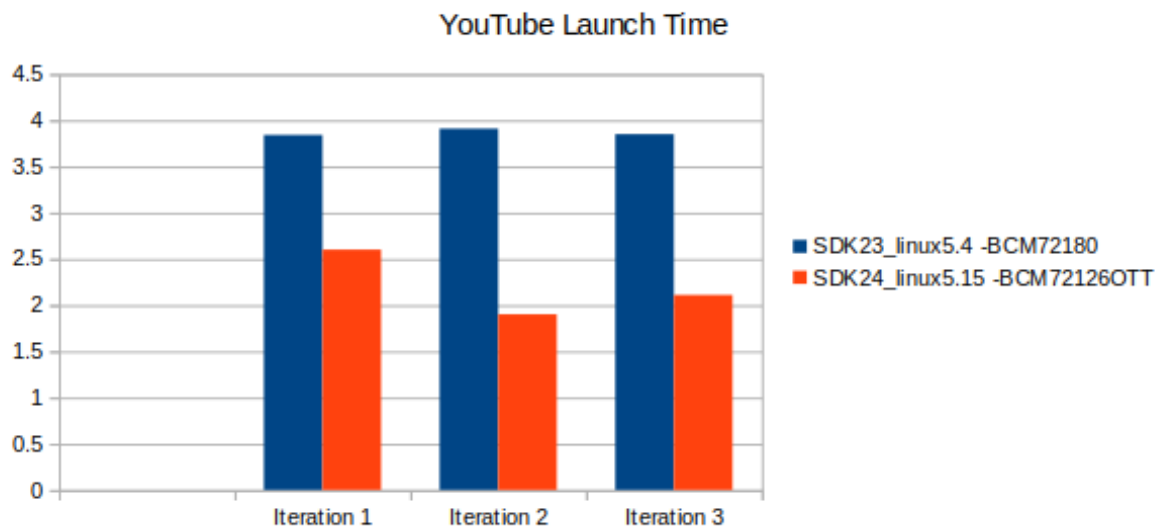


BCM-linux5.4-72180 vs linux5.15-72126 Performance Report

Performance Output:

Memory_Chart

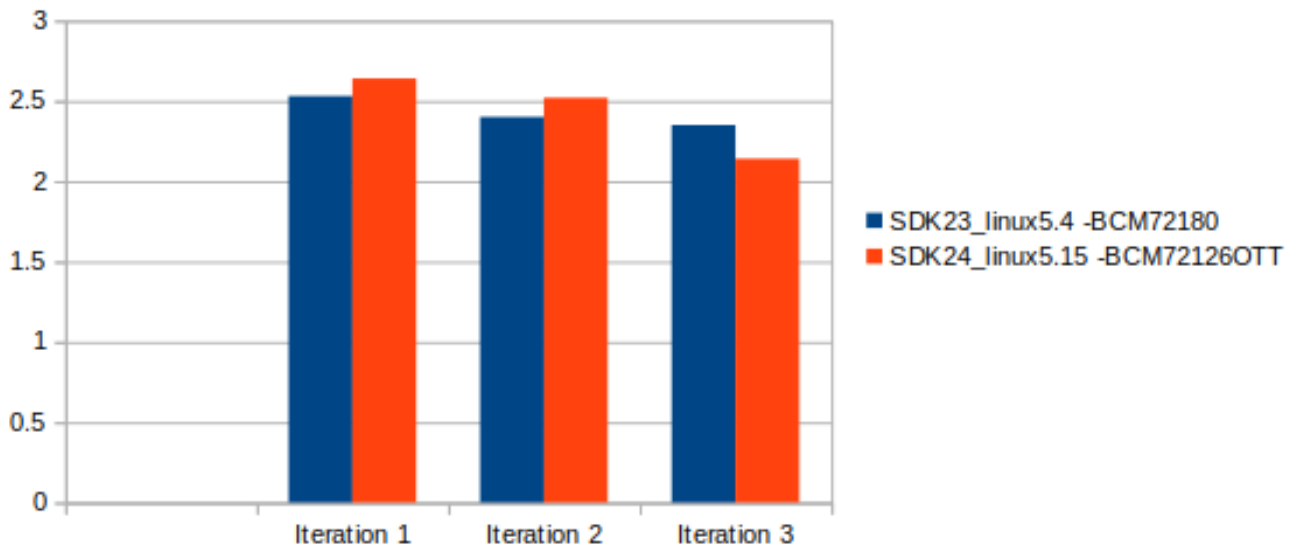
- YouTube APP Launch Time Performance



Tested trails	SDK23_linux5.4 -BCM72180 (secs)	SDK24_linux5.15 -BCM72126OTT (secs)
Trail 1	3.84	2.60
Trail 2	3.91	1.9
Trail 3	3.85	2.11

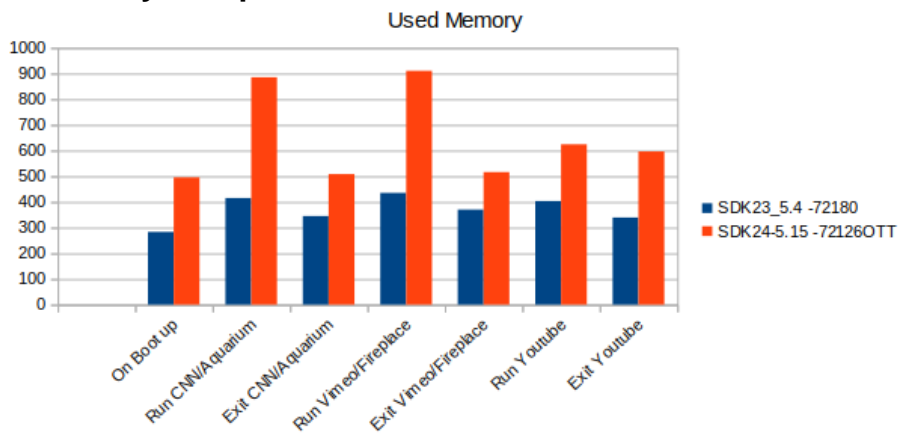
- YouTube Playback Start Time Performance

YouTube Video Playback Time



Tested trails	SDK23_linux5.4 -BCM72180 (secs)	SDK24_linux5.15 -BCM72126OTT (secs)
Trail 1	2.53	2.64
Trail 2	2.4	2.52
Trail 3	2.35	2.14

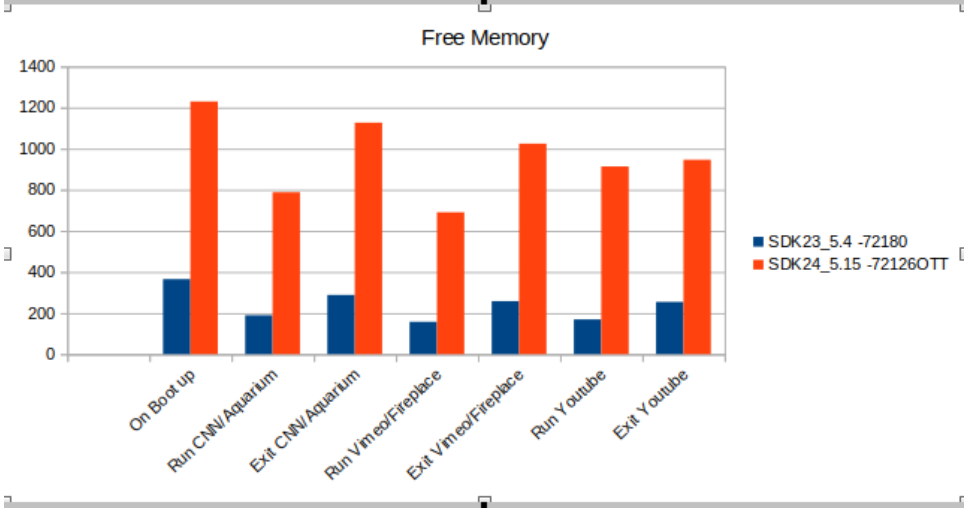
• Used Memory Comparison



Tested Sequence	SDK23_linux5.4 -BCM72180 (MB)	SDK24_linux5.15 -BCM72126OTT (MB)
On Boot up	283	495
Run CNN/Aquarium	415	885
Exit CNN/Aquarium	345	508
Run Vimeo/Fireplace	435	910
Exit Vimeo/Fireplace	370	516
Run Youtube	403	624

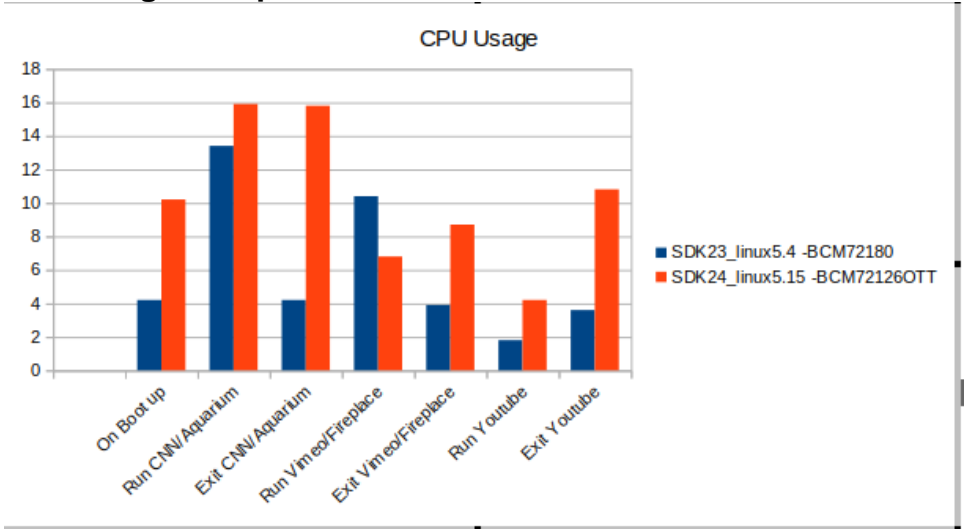
Exit Youtube	339	596
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Free Memory Comparision



Tested Sequence	SDK23_linux5.4 -BCM72180 (MB)	SDK24_linux5.15 -BCM72126OTT (MB)
On Boot up	365	1229
Run CNN/Aquarium	189	788
Exit CNN/Aquarium	288	1126
Run Vimeo/Fireplace	157	690
Exit Vimeo/Fireplace	258	1024
Run Youtube	169	913
Exit Youtube	254	946

CPU Usage Comparision



Test Steps	SDK24_linux5.15 -BCM72126OTT (In %)	SDK24_linux5.15 -BCM72126OTT (In %)
On Boot up	4.2	10.2
Run CNN/Aquarium	13.4	15.9

Exit CNN/Aquarium	4.2	15.8
Run Vimeo/Fireplace	10.4	6.8
Exit Vimeo/Fireplace	3.9	8.7
Run Youtube	1.8	4.2
Exit Youtube	3.6	10.8

App launching and Playback start time

App launching and playback start Time				
S.no	Tested Apps	Tested Cases	64bit_SDK23_linux5.4 -BCM72180	64bit_SDK24_linux5.15 -BCM72126OTT
1	Device Bootup	Bootup time (till UI loads on the TV screen) [Hard reboot]	Iteration 1: 43.55sec Iteration 2: 43.90 sec Iteration 3: 43.76 sec	Iteration 1: 39.87sec Iteration 2: 39.57sec Iteration3: 39.64sec
2	Youtube	App Launching Time	Iteration 1: 03.84 sec Iteration 2: 03.91 sec Iteration 3: 03.85 sec	Iteration 1: 02.60 sec Iteration 2: 01.90 sec Iteration 3: 02.11 sec
3		Playback Start Time for selected Content	Iteration 1: 02.53 sec Iteration 2: 02.40 sec Iteration 3: 02.35 sec	Iteration 1: 02.64 sec Iteration 2: 02.52 sec Iteration 3: 02.14 sec
4	CNN/Aquarium	App Launching Time	Iteration 1: 10.94 sec Iteration 2: 08.22 sec Iteration 3: 07.72 sec	Iteration 1: 07.23 sec Iteration 2: 06.65 sec Iteration 3: 05.63 sec
5		Playback Start Time for selected Content	Iteration 1: 01.04 sec Iteration 2: 01.25 sec Iteration 3: 01.02 sec	Iteration 1: NA Iteration 2: NA Iteration 3: NA
6	Vimeo/Fireplace	App Launching Time	Iteration 1: 10.58 sec Iteration 2: 08.59 sec Iteration 3: 08.15 sec	Iteration1: 06.49 sec Iteration2: 05.12 sec Iteration3: 05.98 sec
7		Playback Start Time for selected Content	Iteration 1: 02.57 sec Iteration 2: 02.69 sec Iteration 3: 02.51 sec	Iteration 1: NA Iteration 2: NA Iteration 3: NA

Perfomance Status for Linux5.4-72180-SDK23

S. No	Tested Sequence	Free Memory	Used Memory	Output for below commands		
				ps aux --sort -rss	top	free -lh

1	On boot up	365 MB	283 MB	<div> <div>USER</div> <div>PID %CPU %MEM VSZ RSS TTY STAT START TIME</div> <div>COMMAND</div> <div> root 4683 10.4 11.2 997036 106096 ? SLI 06:58 0:08 /usr/libexec/wpe- webkit-1.0/WPEWebProcess 8 19 root 4682 1.1 3.0 269744 28900 ? SLI 06:58 0:00 /usr/libexec/wpe- webkit-1.0/WPEWebProcess 3 16 root 3944 2.8 2.9 863264 27512 ? Ssl 06:58 0:02 /usr/bin /WPEFramework -b root 4666 0.8 2.7 208264 25876 ? SI 06:58 0:00 WPEProcess -l lib WPEFrameworkWebkitBrowserImpl.so -c WebKitImplementation -C root 3912 0.8 1.5 622408 14908 ? SI 06:58 0:00 /usr/bin /rmtStreamer --config /etc/rmtconfig.ini --debugconfig /etc/debug.ini root 4248 0.3 1.5 606104 14668 ? SI 06:58 0:00 WPEProcess -l lib WPEFrameworkOCDMImpl.so -c OCDFMImplementation -C OCDFM -r /tm root 3835 0.4 1.1 82936 10612 ? Ssl 06:58 0:00 /usr/bin/btMgrBus root 3583 0.1 1.0 61412 10068 ? Ssl 06:58 0:00 /usr/bin/controlMgr root 4113 0.1 1.0 58828 10016 ? SI 06:58 0:00 WPEProcess -l libW PEFrameworkTextToSpeech.so -c TextToSpeechImplementation -C root 3519 0.8 1.0 140684 9640 ? Ssl 06:58 0:00 /usr/bin/tr69hostif - c /etc/mgrlist.conf -p 10999 -s 11999 -d /etc/debug.ini root 4199 0.0 0.9 38864 8816 ? SI 06:58 0:00 WPEProcess -l libW PEFrameworkLISA.so -c LISAIImplementation -C LISA -r /tmp/co root 3462 0.1 0.8 28236 8080 ? Ssl 06:58 0:00 /usr/bin/websocket- ipplayer root 3469 0.9 0.8 609760 8064 ? Ssl 06:58 0:00 /usr/bin/dsMgrMain root 3807 0.2 0.8 621000 7768 ? Ssl 06:58 0:00 /usr/bin /pwrMgrMain root 3567 0.2 0.8 78588 7696 ? Ssl 06:58 0:00 /usr/share/xdial /gdial-server -l eth0 -F Broadcom-97216 -R Broadcom -M BCM972 non-root 3581 0.2 0.8 633188 7688 ? Ssl 06:58 0:00 /usr/bin /lrMgrMain root 3693 0.5 0.7 91520 7212 ? Ssl 06:58 0:00 /usr/bin/netssvmgr -- debugconfig /etc/debug.ini --configFilePath /etc/netssvm root 3836 0.2 0.7 583632 7120 ? Ssl 06:58 0:00 /usr/bin /deepSleepMgrMain root 1157 3.2 0.6 25080 6272 ? Ss 06:58 0:03 /lib/systemd /systemd-journald root 2718 0.1 0.6 31544 6152 ? Ssl 06:58 0:00 /usr/bin/sysMgrMain non-root 3456 0.2 0.6 589608 6056 ? Ssl 06:58 0:00 /usr/bin /audiocapturemgr </div> </div>	<div> <div>PID USER PR NI VIRT RES SHR S %CPU %</div> <div>MEM TIME+ COMMAND</div> <div> 1 root 20 0 24720 5428 3616 S 5.0 0.6 0:13.29 systemd 4683 root 20 0 998884 108228 50716 S 4.2 11.5 0:12.58 WPEWebProcess 1984 message+ 20 0 3796 2984 1740 S 3.3 0.3 0:07.69 dbus-daemon 3063 root 20 0 662936 3820 3280 S 1.5 0.4 0:03.91 nxserver 1157 root 20 0 29180 8932 8084 S 0.9 0.9 0:04.45 systemd-journal 2314 root 20 0 4068 2844 2556 S 0.9 0.3 0:02.45 systemd-logind 3944 root 20 0 863264 27512 21344 S 0.9 2.9 0:03.45 WPEFramework 3196 root -51 0 0 0 0 S 0.6 0.0 0:01.25 irq/71- BVNF_0 3693 root 20 0 91520 7212 5948 S 0.6 0.8 0:00.87 netssvmgr 3836 root 20 0 583632 7120 6228 S 0.6 0.8 0:00.39 deepSleepMgrMai 4666 root 20 0 208264 25868 21640 S 0.6 2.7 0:01.43 ResidentApp </div> </div>	<div> <div>root@brcm972180hbc-refboard- TR0003667:~# free -lh</div> <div> <div>total used free s</div> <div>hared buff/cache available</div> <div>Mem: 922M 283M 365M</div> <div>5M 47M 274M 559M</div> <div>Low: 922M 557M 365M</div> <div>High: 0B 0B 0B</div> <div>Swap: 0B 0B 0B</div> </div> </div>
2	Launch CNN	189 MB	415 MB	<div> <div>USER</div> <div>PID %CPU %MEM VSZ RSS TTY STAT START TIME</div> <div>COMMAND</div> <div> root 4732 4.3 19.8 1078536 187288 ? SLI 07:16 0:35 /usr/libexec/wpe- webkit-1.0/WPEWebProcess 8 19 root 15257 15.7 11.9 1049816 112960 ? SLI 07:28 0:11 /usr/libexec /wpe-webkit-1.0/WPEWebProcess 8 19 root 4102 0.1 3.9 119412 36928 ? SI 07:15 0:01 WPEProcess -l lib WPEFrameworkTextToSpeech.so -c TextToSpeechImplementation -C root 15250 6.8 3.3 276344 31496 ? SLI 07:28 0:05 /usr/libexec/wpe- webkit-1.0/WPEWebProcess 3 16 root 3946 1.4 3.0 871868 28780 ? Ssl 07:15 0:12 /usr/bin /WPEFramework -b root 4731 0.1 3.0 270900 28408 ? SLI 07:16 0:01 /usr/libexec/wpe- webkit-1.0/WPEWebProcess 3 16 root 15178 1.2 2.7 209348 26228 ? SI 07:28 0:00 WPEProcess -l lib WPEFrameworkWebkitBrowserImpl.so -c WebKitImplementation -C root 4715 0.6 2.7 208264 25756 ? SI 07:16 0:04 WPEProcess -l lib WPEFrameworkWebkitBrowserImpl.so -c WebKitImplementation -C root 7631 0.4 1.5 622428 15048 ? SI 07:16 0:03 /usr/bin /rmtStreamer --config /etc/rmtconfig.ini --debugconfig /etc/debug.ini root 4590 0.1 1.5 606104 14712 ? SI 07:15 0:01 WPEProcess -l lib WPEFrameworkOCDFMImpl.so -c OCDFMImplementation -C OCDFM -r /tm root 3850 0.2 1.1 82936 10480 ? Ssl 07:15 0:02 /usr/bin/btMgrBus root 1156 1.4 1.0 29208 9968 ? Ss 07:15 0:11 /lib/systemd /systemd-journald root 3596 0.0 1.0 61412 9956 ? Ssl 07:15 0:00 /usr/bin/controlMgr root 3532 0.1 1.0 140624 9460 ? Ssl 07:15 0:01 /usr/bin/tr69hostif - c /etc/mgrlist.conf -p 10999 -s 11999 -d /etc/debug.ini root 4580 0.0 0.9 38864 8928 ? SI 07:15 0:00 WPEProcess -l libW PEFrameworkLISA.so -c LISAIImplementation -C LISA -r /tmp/co non-root 3581 0.1 0.8 633192 7920 ? Ssl 07:15 0:01 /usr/bin /lrMgrMain root 3475 0.2 0.8 609776 7872 ? Ssl 07:15 0:02 /usr/bin/dsMgrMain root 3814 0.1 0.8 621000 7704 ? Ssl 07:15 0:01 /usr/bin /pwrMgrMain root 3574 0.1 0.8 78592 7684 ? Ssl 07:15 0:01 /usr/share/xdial /gdial-server -l eth0 -F Broadcom-97216 -R Broadcom -M BCM972 root 3468 0.0 0.8 27640 7660 ? Ssl 07:15 0:00 /usr/bin/websocket- ipplayer </div> </div>	<div> <div>PID USER PR NI VIRT RES SHR S %CPU %</div> <div>MEM TIME+ COMMAND</div> <div> 15257 root 20 0 1045896 110828 56472 S 13.4 11.7 0: 24.98 WPEWebProcess 15250 root 20 0 278344 34708 21964 R 10.7 3.7 0:12.27 WPENetworkProce 3090 root 20 0 662936 3824 3292 S 2.1 0.4 0:14.63 nxserver 3144 root -51 0 0 0 0 S 2.1 0.0 0:07.61 irq/71- BVNF_0 3946 root 20 0 871868 28780 21548 S 1.8 3.0 0:14.67 WPEFramework 4732 root 20 0 1081740 167620 51148 S 1.2 17.7 0: 37.02 WPEWebProcess 15178 root 20 0 209348 26324 22168 S 1.2 2.8 0:01.77 LightningApp </div> </div>	<div> <div>root@brcm972180hbc-refboard- TR0003667:~# free -lh</div> <div> <div>total used free s</div> <div>hared buff/cache available</div> <div>Mem: 922M 415M 189M</div> <div>9M 81M 317M 393M</div> <div>Low: 922M 733M 189M</div> <div>High: 0B 0B 0B</div> <div>Swap: 0B 0B 0B</div> </div> </div>

3	Exit CNN	288 MB	345 MB	<div> <div>USER PID %CPU %MEM VSZ RSS TTY STAT START TIME</div> <div> COMMAND root 4732 3.7 17.8 1081740 168388 ? SLI 07:16 0:39 /usr/libexec/wpe-webkit-1.0/WPEWebProcess 8 19 root 4102 0.1 3.9 119412 36928 ? SI 07:15 0:01 WPEProcess -l libWPEFrameworkTextToSpeech.so -c TextToSpeechImplementation -C root 3946 1.7 3.0 871812 28852 ? Ssl 07:15 0:19 /usr/bin/WPEFramework-b root 4731 0.1 3.0 270900 28384 ? SLI 07:16 0:01 /usr/libexec/wpe-webkit-1.0/WPENetworkProcess 3 16 root 4715 0.4 2.7 208264 25724 ? SI 07:16 0:05 WPEProcess -l libWPEFrameworkWebKitBrowserImpl.so -c WebKitImplementation -C root 7631 0.4 1.5 622428 15048 ? SI 07:16 0:04 /usr/bin/rmfStreamer --config /etc/rmfconfig.ini --debugconfig /etc/debug.ini root 4590 0.1 1.5 606104 14712 ? SI 07:15 0:01 WPEProcess -l libWPEFrameworkOCDMImpl.so -c OCDMImplementation -C OCDM -r /tm Root 3850 0.2 1.1 82936 10480 ? Ssl 07:15 0:02 /usr/bin/btMgrBus root 3596 0.0 1.0 61412 9956 ? Ssl 07:15 0:00 /usr/bin/controlMgr root 3532 0.1 1.0 140624 9460 ? Ssl 07:15 0:01 /usr/bin/tr69hostif -c /etc/mgrlist.conf -p 10999 -s 11999 -d /etc/debug.ini root 4580 0.0 0.9 38864 8928 ? SI 07:15 0:00 WPEProcess -l libWPEFrameworkLISA.so -c LISAIImplementation -C LISA -r /tmp/co non-root 3581 0.1 0.8 633192 7920 ? Ssl 07:15 0:01 /usr/bin/irMgrMain root 3475 0.2 0.8 609776 7872 ? Ssl 07:15 0:02 /usr/bin/dsMgrMain root 3814 0.1 0.8 621000 7704 ? Ssl 07:15 0:01 /usr/bin/pwrMgrMain root 3574 0.1 0.8 78592 7684 ? Ssl 07:15 0:01 /usr/share/xdial/gdial-server -l eth0 -F Broadcom-97216 -R Broadcom -M BCM972 root 3468 0.0 0.8 27640 7660 ? Ssl 07:15 0:00 /usr/bin/websocket- ipplayer root 3851 0.1 0.7 583632 7128 ? Ssl 07:15 0:01 /usr/bin/deepSleepMgrMain root 3713 0.4 0.7 92544 6936 ? Ssl 07:15 0:04 /usr/bin/netsrvmgr --debugconfig /etc/debug.ini --configFilePath /etc/netsrvm root 2721 0.0 0.6 31544 6252 ? Ssl 07:15 0:00 /usr/bin/sysMgrMain </div> </div> <div> <div>PID USER PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND</div> <div> 1 root 20 0 24812 5444 3616 S 8.0 0.6 0:52.01 systemd 1979 message+ dbus-daemon 4732 root 20 0 1081740 169804 51148 S 4.2 18.0 0:42.60 WPEWebProcess 2319 root 20 0 4068 2836 2548 S 2.1 0.3 0:10.83 systemd-logind 3090 root 20 0 662936 3824 3292 S 1.8 0.4 0:19.40 nxserver 1156 root 20 0 25108 6008 5144 S 1.2 0.6 0:15.77 systemd-journal 3946 root 20 0 871812 28852 21496 S 0.9 3.1 0:19.87 WPEFramework 3144 root -51 0 0 0 S 0.6 0.0 0:11.45 irq/71-BVNF_0 3466 root 20 0 595072 4724 4164 S 0.6 0.5 0:02.37 thermal_mgr 3814 root 20 0 621000 7704 6696 S 0.6 0.8 0:02.05 pwrMgrMain </div> </div> <div> <div>total used free s</div> <div>hared buff/cache available</div> <div>Mem: 8M 922M 345M 28</div> <div>Low: 922M 634M 288M</div> <div>High: 0B 0B 0B</div> <div>Swap: 0B 0B 0B</div> </div>
4	Launch Vimeo	157 MB	435 MB	<div> <div>USER PID %CPU %MEM VSZ RSS TTY STAT START TIME</div> <div> COMMAND root 4732 3.2 20.1 1094732 190776 ? SLI 07:16 1:03 /usr/libexec/wpe-webkit-1.0/WPEWebProcess 8 19 root 10562 14.0 11.0 1061924 104720 ? SLI 07:46 0:13 /usr/libexec/wpe-webkit-1.0/WPEWebProcess 8 19 root 4102 0.0 3.9 119412 36928 ? SI 07:15 0:01 WPEProcess -l libWPEFrameworkTextToSpeech.so -c TextToSpeechImplementation -C root 10561 2.9 3.2 262972 30804 ? SLI 07:46 0:02 /usr/libexec/wpe-webkit-1.0/WPENetworkProcess 3 16 root 3946 2.5 3.0 871868 29192 ? Ssl 07:15 0:48 /usr/bin/WPEFramework-b root 4731 0.1 3.0 270900 28692 ? SLI 07:16 0:01 /usr/libexec/wpe-webkit-1.0/WPENetworkProcess 3 16 root 4715 0.4 2.7 208264 26332 ? SI 07:16 0:07 WPEProcess -l libWPEFrameworkWebKitBrowserImpl.so -c WebKitImplementation -C root 10551 1.0 2.7 209348 26316 ? SI 07:46 0:01 WPEProcess -l libWPEFrameworkWebKitBrowserImpl.so -c WebKitImplementation -C root 7631 0.4 1.5 622428 15048 ? SI 07:16 0:07 /usr/bin/rmfStreamer --config /etc/rmfconfig.ini --debugconfig /etc/debug.ini root 4590 0.1 1.5 606104 14712 ? SI 07:15 0:03 WPEProcess -l libWPEFrameworkOCDMImpl.so -c OCDMImplementation -C OCDM -r /tm root 3850 0.2 1.1 82936 10480 ? Ssl 07:15 0:05 /usr/bin/btMgrBus root 3596 0.0 1.0 61412 9956 ? Ssl 07:15 0:00 /usr/bin/controlMgr root 3532 0.1 1.0 140624 9460 ? Ssl 07:15 0:02 /usr/bin/tr69hostif -c /etc/mgrlist.conf -p 10999 -s 11999 -d /etc/debug.ini root 4580 0.0 0.9 38864 8928 ? SI 07:15 0:00 WPEProcess -l libWPEFrameworkLISA.so -c LISAIImplementation -C LISA -r /tmp/co non-root 3581 0.1 0.8 633192 7920 ? Ssl 07:15 0:03 /usr/bin/irMgrMain root 3475 0.2 0.8 609776 7872 ? Ssl 07:15 0:04 /usr/bin/dsMgrMain root 3814 0.1 0.8 621000 7704 ? Ssl 07:15 0:03 /usr/bin/pwrMgrMain root 3574 0.1 0.8 78592 7684 ? Ssl 07:15 0:02 /usr/share/xdial/gdial-server -l eth0 -F Broadcom-97216 -R Broadcom -M BCM972 root 3468 0.0 0.8 27640 7660 ? Ssl 07:15 0:00 /usr/bin/websocket- ipplayer root 1156 1.3 0.7 29208 7248 ? Ss 07:15 0:26 /lib/systemd/systemd-journald root 3851 0.1 0.7 583632 7128 ? Ssl 07:15 0:03 /usr/bin/deepSleepMgrMain root 3713 0.4 0.7 92544 6936 ? Ssl 07:15 0:08 /usr/bin/netsrvmgr --debugconfig /etc/debug.ini --configFilePath /etc/netsrvm root 2721 0.0 0.6 31544 6252 ? Ssl 07:15 0:00 /usr/bin/sysMgrMain </div> </div> <div> <div>PID USER PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND</div> <div> 10562 root 20 0 1061908 105540 54412 S 10.4 11.2 0:21.06 WPEWebProcess 3090 root 20 0 662936 3824 3292 S 2.7 0.4 0:04.07 nxserver 3144 root -51 0 0 0 S 2.1 0.0 0:20.73 irq/71-BVNF_0 3946 root 20 0 871868 29192 21540 S 2.1 3.1 0:50.23 WPEFramework 4732 root 20 0 1094732 191012 50812 S 1.2 20.2 1:04.54 WPEWebProcess 10551 root 20 0 209348 26512 22208 S 0.9 2.8 0:01.52 LightningApp 3713 root 20 0 92544 6936 5804 S 0.6 0.7 0:09.02 netsrvmgr 4397 root 20 0 575640 1780 1580 S 0.6 0.2 0:03.28 audioserver 19101 root 20 0 2372 1428 1060 R 0.6 0.2 0:00.08 top 1156 root 20 0 29208 8604 7732 S 0.3 0.9 0:27.18 systemd-journal </div> </div> <div> <div>total used free s</div> <div>hared buff/cache available</div> <div>Mem: 7M 922M 435M 15</div> <div>Low: 922M 765M 157M</div> <div>High: 0B 0B 0B</div> <div>Swap: 0B 0B 0B</div> </div>

5	Exit Vimeo	258 MB	370 MB	USER PID %CPU %MEM VSZ RSS TTY STAT START TIME COMMAND root 4732 3.0 20.2 1094732 191640 ? SLI 07:16 1:07 /usr/libexec/wpe- webkit-1.0/WPEWebProcess 8 19 root 4102 0.0 3.9 119412 36928 ? SI 07:15 0:01 WPEProcess -l lib WPEFrameworkTextToSpeech.so -c TextToSpeechImplementation -C root 3946 2.4 3.0 871812 29172 ? Ssl 07:15 0:53 /usr/bin /WPEFramework -b root 4731 0.0 3.0 270900 28616 ? SLI 07:16 0:02 /usr/libexec/wpe- webkit-1.0/WPENetworkProcess 3 16 root 4715 0.3 2.7 208264 26312 ? SI 07:16 0:07 WPEProcess -l lib WPEFrameworkWebKitBrowserImpl.so -c WebKitImplementation -C root 7631 0.4 1.5 622428 15048 ? SI 07:16 0:08 /usr/bin /rmlStreamer --config /etc/rmlconfig.ini --debugconfig /etc/debug.ini root 4590 0.1 1.5 606104 14712 ? SI 07:15 0:03 WPEProcess -l lib WPEFrameworkOCDMImpl.so -c OCDMImplementation -C OCDM -r /tm root 3850 0.2 1.1 82936 10480 ? Ssl 07:15 0:05 /usr/bin/btMgrBus root 3596 0.0 1.0 61412 9956 ? Ssl 07:15 0:00 /usr/bin/controlMgr root 3532 0.1 1.0 140624 9460 ? Ssl 07:15 0:02 /usr/bin/tr69hostif - c /etc/mgrlist.conf -p 10999 -s 11999 -d /etc/debug.ini root 4580 0.0 0.9 38864 8928 ? SI 07:15 0:00 WPEProcess -l libW PEFrameworkLISA.so -c LISAIImplementation -C LISA -r /tmp/co non-root 3581 0.1 0.8 633192 7920 ? Ssl 07:15 0:03 /usr/bin /lrMgrMain root 3475 0.2 0.8 609776 7872 ? Ssl 07:15 0:05 /usr/bin/dsMgrMain root 3814 0.1 0.8 621000 7704 ? Ssl 07:15 0:03 /usr/bin /pwrMgrMain root 3574 0.1 0.8 78592 7684 ? Ssl 07:15 0:02 /usr/share/xdial /gdial-server -l eth0 -F Broadcom-97216 -R Broadcom -M BCM972 root 3468 0.0 0.8 27640 7660 ? Ssl 07:15 0:00 /usr/bin/websocket- ipplayer root 3851 0.1 0.7 583632 7128 ? Ssl 07:15 0:03 /usr/bin /deepSleepMgrMain root 3713 0.4 0.7 92544 6936 ? Ssl 07:15 0:09 /usr/bin/netsrvmgr -- debugconfig /etc/debug.ini --configFilePath /etc/netsrvm root 2721 0.0 0.6 31544 6252 ? Ssl 07:15 0:00 /usr/bin/sysMgrMain non-root 3462 0.1 0.6 589608 6156 ? Ssl 07:15 0:03 /usr/bin /audiocapturemgr	PID USER PR NI VIRT RES SHR S %CPU % MEM TIME+ COMMAND 4732 root 20 0 1094732 192476 50812 R 3.9 20.4 1: 09.23 WPEWebProcess 3090 root 20 0 662936 3824 3292 S 1.2 0.4 0:45.13 nxserver 3946 root 20 0 871812 29172 21488 S 0.9 3.1 0:54.13 WPEFramework 1 root 20 0 24812 5444 3616 S 0.6 0.6 1:37.31 systemd 1156 root 20 0 25108 6004 5124 S 0.6 0.6 0:29.69 systemd-journal 1979 message+ 20 0 3848 2928 1668 S 0.6 0.3 1:03.32 dbus-daemon 3144 root -51 0 0 0 0 S 0.6 0.0 0:24.44 irq/71- BVNF_0 3850 root 20 0 82936 10480 4932 S 0.6 1.1 0:06.10 btMgrBus 4715 root 20 0 208264 26308 22216 S 0.6 2.8 0:08.28 ResidentApp 31215 root 20 0 2372 1432 1068 R 0.6 0.2 0:00.08 top	root@brcm972180hbc-refboard- TR0003667:~# free -lh total used free s hared buff/cache available Mem: 922M 370M 25 8M 50M 293M 469M Low: 922M 664M 258M High: 0B 0B 0B Swap: 0B 0B 0B
6	Launch YouTube	169 MB	403 MB	USER PID %CPU %MEM VSZ RSS TTY STAT START TIME COMMAND root 4732 3.0 16.5 1094676 156520 ? SLI 07:16 1:18 /usr/libexec/wpe- webkit-1.0/WPEWebProcess 8 19 root 11682 22.5 10.0 1091212 95156 ? SI 07:57 0:26 WPEProcess -l li bWPEFrameworkCobaltImpl.so -c CobaltImplementation -C Cobalt root 4102 0.0 4.0 119412 38252 ? SI 07:15 0:01 WPEProcess -l lib WPEFrameworkTextToSpeech.so -c TextToSpeechImplementation -C root 3946 2.4 3.1 873048 29644 ? Ssl 07:15 1:04 /usr/bin /WPEFramework -b root 4731 0.0 3.0 270900 28896 ? SLI 07:16 0:02 /usr/libexec/wpe- webkit-1.0/WPENetworkProcess 3 16 root 4715 0.3 2.7 208264 26252 ? SI 07:16 0:09 WPEProcess -l lib WPEFrameworkWebKitBrowserImpl.so -c WebKitImplementation -C root 7631 0.4 1.5 622428 15048 ? SI 07:16 0:10 /usr/bin /rmlStreamer --config /etc/rmlconfig.ini --debugconfig /etc/debug.ini root 4590 0.1 1.5 606104 14712 ? SI 07:15 0:04 WPEProcess -l lib WPEFrameworkOCDMImpl.so -c OCDMImplementation -C OCDM -r /tm root 1156 1.3 1.1 29208 10624 ? Ss 07:15 0:34 /lib/systemd /systemd-journal root 3850 0.2 1.1 82936 10480 ? Ssl 07:15 0:07 /usr/bin/btMgrBus root 3596 0.0 1.0 61412 9956 ? Ssl 07:15 0:00 /usr/bin/controlMgr root 3532 0.1 1.0 140624 9460 ? Ssl 07:15 0:03 /usr/bin/tr69hostif - c /etc/mgrlist.conf -p 10999 -s 11999 -d /etc/debug.ini root 4580 0.0 0.9 38864 8928 ? SI 07:15 0:00 WPEProcess -l libW PEFrameworkLISA.so -c LISAIImplementation -C LISA -r /tmp/co non-root 3581 0.1 0.8 633192 7920 ? Ssl 07:15 0:04 /usr/bin /lrMgrMain root 3475 0.2 0.8 609776 7872 ? Ssl 07:15 0:06 /usr/bin/dsMgrMain root 3814 0.1 0.8 621000 7704 ? Ssl 07:15 0:04 /usr/bin /pwrMgrMain root 3574 0.1 0.8 78592 7684 ? Ssl 07:15 0:02 /usr/share/xdial /gdial-server -l eth0 -F Broadcom-97216 -R Broadcom -M BCM972 root 3468 0.0 0.8 27640 7660 ? Ssl 07:15 0:00 /usr/bin/websocket- ipplayer root 3851 0.1 0.7 583632 7128 ? Ssl 07:15 0:04 /usr/bin /deepSleepMgrMain root 3713 0.4 0.7 92544 6936 ? Ssl 07:15 0:11 /usr/bin/netsrvmgr -- debugconfig /etc/debug.ini --configFilePath /etc/netsrvm root 2721 0.0 0.6 31544 6252 ? Ssl 07:15 0:00 /usr/bin/sysMgrMain	PID USER PR NI VIRT RES SHR S %CPU % MEM TIME+ COMMAND 11682 root 20 0 1091212 99420 34604 S 64.6 10.5 0: 40.40 Cobalt 1 root 20 0 24812 5444 3616 S 8.3 0.6 1:54.73 systemd 1979 message+ 20 0 3848 2932 1668 S 6.2 0.3 1:14.88 dbus-daemon 21817 root 20 0 1960 1560 1308 S 5.7 0.2 0:00.19 dumpLogs.sh 3090 root 20 0 662936 3824 3292 S 4.5 0.4 0:53.72 nxserver 3169 root -51 0 0 0 0 S 3.3 0.0 0:03.84 irq/95- XPT_MCPB 3144 root -51 0 0 0 0 S 2.4 0.0 0:29.15 irq/71- BVNF_0 3946 root 20 0 873048 29644 21664 S 2.4 3.1 1:05.66 WPEFramework 1156 root 20 0 29208 8788 7908 S 2.1 0.9 0:35.01 systemd-journal 2319 root 20 0 4068 2836 2548 S 2.1 0.3 0:24.37 systemd-logind 4732 4732 root 20 0 1094676 156732 50812 S 1.8 16.6 1: 19.53 WPEWebProcess	root@brcm972180hbc-refboard- TR0003667:~# free -lh total used free s hared buff/cache available Mem: 922M 403M 16 9M 74M 349M 412M Low: 922M 753M 169M High: 0B 0B 0B Swap: 0B 0B 0B

7	Exit YouTube	254 MB	339 MB	USER PID %CPU %MEM VSZ RSS TTY STAT START TIME COMMAND root 4732 2.9 16.6 1094676 157640 ? SLI 07:16 1:21 /usr/libexec/wpe- webkit-1.0/WPEWebProcess 8 19 root 4102 0.0 4.0 119412 38252 ? SI 07:15 0:01 WPEProcess -l lib WPEFrameworkTextToSpeech.so -c TextToSpeechImplementation -C root 3946 2.4 3.1 872836 29456 ? Ssl 07:15 1:09 /usr/bin /WPEFramework-b root 4731 0.0 3.0 270900 28832 ? SLI 07:16 0:02 /usr/libexec/wpe- webkit-1.0/WPENetworkProcess 3 16 root 4715 0.3 2.7 208264 26236 ? SI 07:16 0:09 WPEProcess -l lib WPEFrameworkWebKitBrowserImpl.so -c WebKitImplementation -C root 7631 0.4 1.5 622428 15048 ? SI 07:16 0:11 /usr/bin /rmiStreamer --config /etc/rmfconfig.ini --debugconfig /etc/debug.ini root 4590 0.1 1.5 606104 14712 ? SI 07:15 0:04 WPEProcess -l lib WPEFrameworkOCDMImpl.so -c OCDMImplementation -C OCDM -r /tm root 3850 0.2 1.1 82936 10480 ? Ssl 07:15 0:07 /usr/bin/btMgrBus root 3596 0.0 1.0 61412 9956 ? Ssl 07:15 0:00 /usr/bin/controlMgr root 3532 0.1 1.0 140624 9460 ? Ssl 07:15 0:03 /usr/bin/tr69hostif - c /etc/mgrlist.conf -p 10999 -s 11999 -d /etc/debug.ini root 4580 0.0 0.9 38864 8928 ? SI 07:15 0:00 WPEProcess -l libW PEFrameworkLISA.so -c LISAIImplementation -C LISA -r /tmp/co non-root 3581 0.1 0.8 633192 7920 ? Ssl 07:15 0:04 /usr/bin /lrMgrMain root 3475 0.2 0.8 609776 7872 ? Ssl 07:15 0:06 /usr/bin/dsMgrMain root 3814 0.1 0.8 621000 7704 ? Ssl 07:15 0:04 /usr/bin /pwrMgrMain root 3574 0.1 0.8 78592 7684 ? Ssl 07:15 0:03 /usr/share/xdial /gdial-server -l eth0 -F Broadcom-97216 -R Broadcom -M BCM972 root 3468 0.0 0.8 27640 7660 ? Ssl 07:15 0:00 /usr/bin/websocket- ipplayer root 3851 0.1 0.7 583632 7128 ? Ssl 07:15 0:04 /usr/bin /deepSleepMgrMain root 3713 0.4 0.7 92544 6936 ? Ssl 07:15 0:12 /usr/bin/netsrvmgr -- debugconfig /etc/debug.ini --configFilePath /etc/netsrvm root 2721 0.0 0.6 31544 6252 ? Ssl 07:15 0:00 /usr/bin/sysMgrMain	PID USER PR NI VIRT RES SHR S %CPU % MEM TIME+ COMMAND 4732 root 20 0 1094676 158324 50812 S 3.6 16.8 1: 23.12 WPEWebProcess 3090 root 20 0 662936 3824 3292 S 0.9 0.4 0:57.36 nxserver 3946 root 20 0 872836 29456 21476 S 0.9 3.1 1:09.67 WPEFramework 4715 root 20 0 208264 26232 22216 S 0.9 2.8 0:09.68 ResidentApp 31315 root 20 0 2372 1428 1060 R 0.9 0.2 0:00.10 top 3144 root -51 0 0 0 0 S 0.6 0.0 0:32.39 irq/71- BVNF_0 10 root 20 0 0 0 0 I 0.3 0.0 0:04.81 rcu_sched 1156 root 20 0 25108 5412 4532 S 0.3 0.6 0:37.15 systemd-journal 3462 non-root 20 0 589608 6156 5368 S 0.3 0.7 0:04.83 audiocapturemgr 3851 root 20 0 583632 7128 6228 S 0.3 0.8 0:04.75 deepSleepMgrMai	root@brcm972180hbc-refboard- TR0003667:~# free -lh total used free s hared buff/cache available Mem: 922M 339M 25 4M 50M 329M 501M Low: 922M 668M 254M High: 0B 0B 0B Swap: 0B 0B 0B
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Performance Status for ACK5.15-72126-SDK24

S. No	Tested Sequence	Free Memory	Used Memory	Output for below commands															
				ps aux --sort -rss								top				free -lh			
1	On boot up	1.2 GB	495 MB	USER PID %CPU %MEM VSZ RSS TTY STAT START TIME COMMAND root 3014 23.9 6.5 1041156 128408 ? RLI 13:09 0:09 /usr/libexec/wpe-webkit-1.0/WPEWebProcess 10 20 root 2289 2.8 1.9 118412 38180 ? SI 13:09 0:01 WPEProcess -l libWPEFrameworkTextToSpeech.so -c TextToSpeechImplementation -C root 1958 8.6 1.6 933936 31384 ? Ssl 13:09 0:03 /usr/bin/WPEFramework-b avs 1362 2.7 1.5 280448 29832 ? Ssl 13:09 0:01 /usr/bin/xr-avs --noconsole root 3013 2.0 1.4 263724 28868 ? SLI 13:09 0:00 /usr/libexec/wpe-webkit-1.0/WPENetworkProcess 5 17 root 2962 2.4 1.3 229720 27264 ? SI 13:09 0:00 WPEProcess -l libWPEFrameworkWebKitBrowserImpl.so -c WebKitImplementation -C root 2368 1.0 0.7 635372 13948 ? SI 13:09 0:00 WPEProcess -l libWPEFrameworkOCDMImpl.so -c OCDMImplementation -C OCDM -r /tm root 1847 0.5 0.5 105940 11564 ? Ssl 13:09 0:00 /usr/bin/controlMgr root 1727 5.6 0.5 141744 10912 ? Ssl 13:09 0:02 /usr/bin/tr69hostif -c /etc/mgrlist.conf -p 10999 -s 11999 -d /etc/debug.ini root 2057 0.9 0.5 82920 10000 ? Ssl 13:09 0:00 /usr/bin/btMgrBus root 94 4.5 0.4 21184 9424 ? Ss 13:09 0:02 /lib/systemd/systemd-journald blercu 2086 0.4 0.4 84128 8344 ? Ssl 13:09 0:00 /usr/sbin/BleRcuDaemon --verbose --noconsole --journald root 1950 0.8 0.4 624248 7932 ? Ssl 13:09 0:00 /usr/bin/pwrMgrMain root 1789 1.0 0.3 78600 7588 ? Ssl 13:09 0:00 /usr/share/xdial/gdial-server -l eth0 -F Comcast_BRCM-REF -R Comcast -M BRCM-	3014 root 20 0 1045368 128324 78616 S 10.2 6.5 0:16.17 WPEWebProcess 1258 root 20 0 629568 7104 6536 S 3.5 0.4 0:04.58 nxserver 1362 avs 20 0 280448 30096 23600 S 3.5 1.5 0:02.60 xr-avs 1958 root 20 0 933940 31416 24552 S 3.2 1.6 0:06.42 WPEFramework 2962 root 20 0 229720 27264 22884 S 2.0 1.4 0:02.35 ResidentApp 4564 root 20 0 2372 1464 1060 R 2.0 0.1 0:00.31 top 1 root 20 0 25464 5376 3048 S 1.5 0.3 0:08.00 systemd 94 root 20 0 29380 9748 8832 S 1.5 0.5 0:04.36 systemd-journal 1263 root 20 0 10236 544 448 S 1.2 0.0 0:01.51 logger.nexus 1810 non-root 20 0 665344 7636 6692 S 1.2 0.4 0:00.86 irMgrMain 303 message+ 20 0 3884 2908 1592 S 0.9 0.1 0:03.15 dbus-daemon	root@brcm972126ott-refboard-PR0013920:~# free -lh total used free shared buff/cache available Mem: 1.9G 495M 1.2G 19M 234M 1.3G Low: 1.9G 729M 1.2G High: 0B 0B 0B Swap: 0B 0B 0B													

2	Run Aquarium	788 MB	885 MB	<div> <div>USER</div> <div> <div>PID</div> <div>%CPU</div> <div>%MEM</div> <div>VSZ</div> <div>RSS</div> <div>TTY</div> <div>STAT</div> <div>START</div> <div>TIME</div> </div> </div> <div> <div>COMMAND</div> <div> <div>root 3014 13.5 6.7 1044776 132400 ?</div> <div>SLI 13:09 0:24 /usr/libexec/wpe-</div> <div>webkit-1.0/WPEWebProcess 10 20</div> </div> <div> <div>root 5499 41.3 6.6 1001204 130616 ?</div> <div>SLI 13:12 0:05 /usr/libexec/wpe-</div> <div>webkit-1.0/WPEWebProcess 10 20</div> </div> <div> <div>root 2289 0.6 1.9 118412 38180 ?</div> <div>SI 13:09 0:01 WPEProcess -l lib</div> <div>WPEFrameworkTextToSpeech.so -c TextToSpeechImplementation -C</div> </div> <div> <div>root 1958 6.5 1.6 942184 32332 ?</div> <div>Ssl 13:09 0:11 /usr/bin</div> <div>/WPEFramework -b</div> </div> <div> <div>avs 1362 1.9 1.5 280448 30096 ?</div> <div>Ssl 13:09 0:03 /usr/bin/xr-avs --</div> <div>noconsole</div> </div> <div> <div>root 5498 24.9 1.4 265180 28948 ?</div> <div>SLI 13:12 0:03 /usr/libexec/wpe-</div> <div>webkit-1.0/WPENetworkProcess 5 17</div> </div> <div> <div>root 3013 0.6 1.4 263788 28648 ?</div> <div>SLI 13:09 0:01 /usr/libexec/wpe-</div> <div>webkit-1.0/WPENetworkProcess 5 17</div> </div> <div> <div>root 5485 3.5 1.4 229780 28056 ?</div> <div>SI 13:12 0:00 WPEProcess -l lib</div> <div>WPEFrameworkWebKitBrowserImpl.so -c WebKitImplementation -C</div> </div> <div> <div>root 2962 2.0 1.3 229720 27252 ?</div> <div>SI 13:09 0:03 WPEProcess -l lib</div> <div>WPEFrameworkWebKitBrowserImpl.so -c WebKitImplementation -C</div> </div> <div> <div>root 2368 0.7 0.7 635372 13948 ?</div> <div>SI 13:09 0:01 WPEProcess -l lib</div> <div>WPEFrameworkOCDMImpl.so -c OCDMImplementation -C OCDM -r /tm</div> </div> <div> <div>root 1847 0.2 0.6 105944 11792 ?</div> <div>Ssl 13:09 0:00 /usr/bin/controlMgr</div> </div> <div> <div>root 2057 0.9 0.5 82920 11292 ?</div> <div>Ssl 13:09 0:01 /usr/bin/btMgrBus</div> </div> <div> <div>root 1727 2.3 0.5 141744 11240 ?</div> <div>Ssl 13:09 0:04 /usr/bin/tr69hostif -</div> <div>c /etc/mgrlist.conf -p 10999 -s 11999 -d /etc/debug.ini</div> </div> <div> <div>blercu 2086 0.3 0.4 84264 8576 ?</div> <div>Ssl 13:09 0:00 /usr/sbin</div> <div>/BleRcuDaemon --verbose --noconsole --journal</div> </div> <div> <div>root 1950 0.7 0.4 624332 8052 ?</div> <div>Ssl 13:09 0:01 /usr/bin</div> <div>/pwrMgrMain</div> </div> <div> <div>root 1697 1.0 0.3 642016 7668 ?</div> <div>Ssl 13:09 0:01 /usr/bin/dsMgrMain</div> </div> <div> <div>root 1789 0.8 0.3 78604 7652 ?</div> <div>Ssl 13:09 0:01 /usr/share/xdial</div> <div>/gdial-server -l eth0 -F Comcast_BRCM-REF -R Comcast -M BRCM-</div> </div> <div> <div>non-root 1810 0.7 0.3 665344 7636 ?</div> <div>Ssl 13:09 0:01 /usr/bin</div> <div>/lrMgrMain</div> </div> <div> <div>root 1940 1.0 0.3 117336 7224 ?</div> <div>Ssl 13:09 0:01 /usr/bin/netsrvmgr</div> <div>--debugconfig /etc/debug.ini --configFilePath /etc/netsrv</div> </div> <div> <div>root 1258 3.7 0.3 629568 7104 ?</div> <div>Ssl 13:09 0:07 /usr/bin/nxserver -</div> <div>cfg /etc/default/nxserver.cfg</div> </div> <div> <div>root 915 2.5 0.3 59608 6524 ?</div> <div>Ssl 13:09 0:05 /usr/sbin/syslog-ng -</div> <div>F -f /tmp/syslog-ng.conf -R /tmp/syslog-ng/syslog-ng.per</div> </div> <div> <div>root 2103 0.0 0.3 25360 6376 ?</div> <div>Ssl 13:09 0:00 /usr/bin/fgcl /etc</div> <div>/logPrefs.json /opt/logPrefs.json</div> </div> </div>	<div> <div>PID</div> <div>USER</div> <div>PR</div> <div>NI</div> <div>VIRT</div> <div>RES</div> <div>SHR</div> <div>S</div> <div>%CPU</div> <div>%</div> </div> <div> <div>MEM</div> <div>TIME+</div> <div>COMMAND</div> </div> <div> <div>5499 root 20 0 1000616 119608 82740 S 15.9 6.1 0:</div> <div>12.37 WPEWebProcess</div> </div> <div> <div>3014 root 20 0 1044776 131880 78616 S 9.7 6.7 0:28.55</div> <div>WPEWebProcess</div> </div> <div> <div>1958 root 20 0 942184 32344 24788 S 5.6 1.6 0:14.49</div> <div>WPEFramework</div> </div> <div> <div>1258 root 20 0 629568 7104 6536 S 3.5 0.4 0:08.83</div> <div>nxserver</div> </div> <div> <div>1362 avs 20 0 280448 30096 23600 S 3.2 1.5 0:04.33</div> <div>xr-avs</div> </div> <div> <div>1290 root -51 0 0 0 0 S 2.9 0.0 0:03.29 irq/71-</div> <div>BVNF_0</div> </div> <div> <div>2962 root 20 0 229720 27248 22884 S 2.1 1.4 0:04.43</div> <div>ResidentApp</div> </div> <div> <div>5485 root 20 0 229780 28056 23716 S 2.1 1.4 0:01.24</div> <div>LightningApp</div> </div> <div> <div>1263 root 20 0 10236 544 448 S 1.5 0.0 0:03.03</div> <div>logger.nexus</div> </div> <div> <div>1579 root 20 0 627068 4372 3848 S 1.2 0.2 0:01.93</div> <div>thermal_mgr</div> </div> <div> <div>1727 root 20 0 141744 11240 8016 S 1.2 0.6 0:04.78</div> <div>tr69hostif</div> </div>	<div> <div>root@brcm972126ott-refboard-</div> <div>PR0013920:--# free -lh</div> </div> <div> <div>total</div> <div>used</div> <div>free</div> <div>shared</div> <div>buff/cache</div> <div>available</div> </div> <div> <div>Mem: 1.9</div> <div>G 885M 788M 24M</div> <div>241M 969M</div> </div> <div> <div>Low: 1.9G 1.1</div> <div>G 788M</div> </div> <div> <div>High: 0B 0B 0B</div> </div> <div> <div>Swap: 0B 0B 0B</div> </div>
3	Exit Aquarium	1.1 GB	508 MB	<div> <div>USER</div> <div> <div>PID</div> <div>%CPU</div> <div>%MEM</div> <div>VSZ</div> <div>RSS</div> <div>TTY</div> <div>STAT</div> <div>START</div> <div>TIME</div> </div> </div> <div> <div>COMMAND</div> <div> <div>root 3014 12.3 6.6 1045444 131140 ?</div> <div>SLI 13:09 0:35 /usr/libexec/wpe-</div> <div>webkit-1.0/WPEWebProcess 10 20</div> </div> <div> <div>root 2289 0.4 1.9 118412 38180 ?</div> <div>SI 13:09 0:01 WPEProcess -l lib</div> <div>WPEFrameworkTextToSpeech.so -c TextToSpeechImplementation -C</div> </div> <div> <div>root 1958 6.3 1.6 942136 32436 ?</div> <div>Ssl 13:09 0:18 /usr/bin</div> <div>/WPEFramework -b</div> </div> <div> <div>avs 1362 1.8 1.5 280448 30096 ?</div> <div>Ssl 13:09 0:05 /usr/bin/xr-avs --</div> <div>noconsole</div> </div> <div> <div>root 3013 0.4 1.4 263784 28868 ?</div> <div>SLI 13:09 0:01 /usr/libexec/wpe-</div> <div>webkit-1.0/WPENetworkProcess 5 17</div> </div> <div> <div>root 2962 1.9 1.3 229720 27244 ?</div> <div>SI 13:09 0:05 WPEProcess -l lib</div> <div>WPEFrameworkWebKitBrowserImpl.so -c WebKitImplementation -C</div> </div> <div> <div>root 2368 0.7 0.7 635372 13948 ?</div> <div>SI 13:09 0:02 WPEProcess -l lib</div> <div>WPEFrameworkOCDMImpl.so -c OCDMImplementation -C OCDM -r /tm</div> </div> <div> <div>root 1847 0.1 0.6 105944 11796 ?</div> <div>Ssl 13:09 0:00 /usr/bin/controlMgr</div> </div> <div> <div>root 2057 0.9 0.5 82920 11292 ?</div> <div>Ssl 13:09 0:02 /usr/bin/btMgrBus</div> </div> <div> <div>root 1727 1.8 0.5 141744 11248 ?</div> <div>Ssl 13:09 0:05 /usr/bin/tr69hostif -</div> <div>c /etc/mgrlist.conf -p 10999 -s 11999 -d /etc/debug.ini</div> </div> <div> <div>root 94 2.7 0.5 29380 9976 ?</div> <div>Ss 13:09 0:08 /lib/systemd/systemd-</div> <div>journal</div> </div> <div> <div>blercu 2086 0.3 0.4 84328 8600 ?</div> <div>Ssl 13:09 0:00 /usr/sbin</div> <div>/BleRcuDaemon --verbose --noconsole --journal</div> </div> <div> <div>root 1950 0.7 0.4 624336 8056 ?</div> <div>Ssl 13:09 0:02 /usr/bin</div> <div>/pwrMgrMain</div> </div> <div> <div>root 1697 0.9 0.3 642016 7668 ?</div> <div>Ssl 13:09 0:02 /usr/bin/dsMgrMain</div> </div> </div>	<div> <div>PID</div> <div>USER</div> <div>PR</div> <div>NI</div> <div>VIRT</div> <div>RES</div> <div>SHR</div> <div>S</div> <div>%CPU</div> <div>%</div> </div> <div> <div>MEM</div> <div>TIME+</div> <div>COMMAND</div> </div> <div> <div>3014 root 20 0 1046604 135912 78616 S 15.8 6.9 0:</div> <div>40.91 WPEWebProcess</div> </div> <div> <div>1958 root 20 0 942136 32436 24740 S 3.8 1.7 0:20.72</div> <div>WPEFramework</div> </div> <div> <div>1362 avs 20 0 288644 30144 23600 S 3.5 1.5 0:06.49</div> <div>xr-avs</div> </div> <div> <div>1258 root 20 0 629568 7104 6536 S 2.9 0.4 0:13.25</div> <div>nxserver</div> </div> <div> <div>8275 root 20 0 2372 1448 1060 R 2.3 0.1 0:00.24</div> <div>top</div> </div> <div> <div>2962 root 20 0 229720 27240 22884 S 2.0 1.4 0:06.70</div> <div>ResidentApp</div> </div> <div> <div>1727 root 20 0 141744 11248 8016 S 1.8 0.6 0:05.93</div> <div>tr69hostif</div> </div>	<div> <div>root@brcm972126ott-refboard-</div> <div>PR0013920:--# free -lh</div> </div> <div> <div>total</div> <div>used</div> <div>free</div> <div>shared</div> <div>buff/cache</div> <div>available</div> </div> <div> <div>Mem: 1.9G 508M 1.1</div> <div>G 28M 246M 1.3G</div> </div> <div> <div>Low: 1.9G 755M 1.1</div> <div>G</div> </div> <div> <div>High: 0B 0B 0B</div> </div> <div> <div>Swap: 0B 0B 0B</div> </div>
4	Run Fireplace	609 MB	910 MB	<div> <div>USER</div> <div> <div>PID</div> <div>%CPU</div> <div>%MEM</div> <div>VSZ</div> <div>RSS</div> <div>TTY</div> <div>STAT</div> <div>START</div> <div>TIME</div> </div> </div> <div> <div>COMMAND</div> <div> <div>root 2984 10.6 6.8 1054948 133548 ?</div> <div>SLI 07:28 2:26 /usr/libexec/wp</div> </div> <div> <div>root 22960 29.2 6.7 1062476 133008 ?</div> <div>SLI 07:50 0:12 /usr/libexec/wp</div> </div> <div> <div>root 2221 0.1 1.9 118420 38276 ?</div> <div>SI 07:28 0:01 WPEProcess -l</div> </div> <div> <div>root 1967 4.2 1.6 942264 32492 ?</div> <div>Ssl 07:28 0:58 /usr/bin/WPEFra</div> </div> <div> <div>avs 1365 0.8 1.5 289668 29896 ?</div> <div>Ssl 07:28 0:11 /usr/bin/xr-avs</div> </div> <div> <div>root 22959 8.8 1.4 265108 29164 ?</div> <div>SLI 07:50 0:03 /usr/libexec/wp</div> </div> <div> <div>root 2979 0.2 1.4 263728 28868 ?</div> <div>SLI 07:28 0:02 /usr/libexec/wp</div> </div> <div> <div>root 2963 1.9 1.4 229720 28116 ?</div> <div>SI 07:28 0:27 WPEProcess -l</div> </div> <div> <div>root 22949 2.4 1.4 229780 27720 ?</div> <div>SI 07:50 0:00 WPEProcess -l</div> </div> <div> <div>root 2258 0.6 0.7 635372 13828 ?</div> <div>SI 07:28 0:09 WPEProcess -l</div> </div> <div> <div>root 918 3.1 0.7 112844 13780 ?</div> <div>Ssl 07:28 0:43 /usr/sbin/syslo</div> </div> <div> <div>root 1851 0.1 0.6 105956 11940 ?</div> <div>Ssl 07:28 0:01 /usr/bin/contro</div> </div> </div>	<div> <div>PID</div> <div>USER</div> <div>PR</div> <div>NI</div> <div>VIRT</div> <div>RES</div> <div>SHR</div> <div>S</div> <div>%CPU</div> <div>%</div> </div> <div> <div>MEM</div> <div>TIME+</div> <div>COMMAND</div> </div> <div> <div>22960 root 20 0 1054256 136552 83452 S 23.6 7.0 0:</div> <div>21.92 WPEWebProc+</div> </div> <div> <div>2984 root 20 0 1054876 137624 80104 S 10.4 7.0 2:</div> <div>30.54 WPEWebProc+</div> </div> <div> <div>1967 root 20 0 942264 32492 24788 S 6.8 1.7 1:00.98</div> <div>WPEFrameworko+</div> </div> <div> <div>1230 root 20 0 629568 8844 8276 S 4.2 0.5 0:50.38</div> <div>nxserver</div> </div> <div> <div>1291 root -51 0 0 0 0 S 3.2 0.0 0:15.26 irq/71-</div> <div>BVN+</div> </div> <div> <div>24279 root 20 0 2364 1468 1064 R 2.6 0.1 0:00.19</div> <div>top</div> </div> <div> <div>1790 root 20 0 78660 8572 7404 S 2.3 0.4 0:16.82</div> <div>gdial-serv+</div> </div> <div> <div>2963 root 20 0 229720 28112 23736 S 2.3 1.4 0:27.84</div> <div>ResidentApp</div> </div>	<div> <div>root@brcm972126ott-refboard-</div> <div>PR0013920:--# free -lh</div> </div> <div> <div>total</div> <div>used</div> <div>free</div> <div>shared</div> <div>buff/cache</div> <div>available</div> </div> <div> <div>Mem: 1.9</div> <div>G 910M 690M 72M</div> <div>314M 896M</div> </div> <div> <div>Low: 1.9G 1.2</div> <div>G 690M</div> </div> <div> <div>High: 0B 0B 0B</div> </div> <div> <div>Swap: 0B 0B 0B</div> </div>

5	Exit Fireplace	1.0 GB	516 MB	<div> <div>USER PID %CPU %MEM VSZ RSS TTY STAT START TIME COMMAND</div> <div> root 2984 10.1 6.9 1055120 135728 ? SLI 07:28 12:23 /usr/libexec/wp root 2221 0.0 1.9 118420 38276 ? SI 07:28 0:01 WPEProcess -l root 1967 5.6 1.6 942216 33036 ? Ssl 07:28 6:51 /usr/bin/WPEFra avs 1365 0.1 1.5 289672 29980 ? Ssl 07:28 0:12 /usr/bin/xr-avs root 2979 0.1 1.4 263728 28828 ? SLI 07:28 0:10 /usr/libexec/wp root 2963 1.8 1.4 229720 27996 ? SI 07:28 2:14 WPEProcess -l root 2258 0.6 0.7 635372 13828 ? SI 07:28 0:48 WPEProcess -l root 1851 0.0 0.6 105956 12152 ? Ssl 07:28 0:06 /usr/bin/contro root 2046 1.2 0.6 83116 11844 ? Ssl 07:28 1:30 /usr/bin/btMgrB root 1724 0.9 0.5 141800 11196 ? Ssl 07:28 1:10 /usr/bin/tr69ho root 918 2.5 0.5 112888 11148 ? Ssl 07:28 3:09 /usr/sbin/syslo blercu 2064 0.3 0.4 84564 8872 ? Ssl 07:28 0:24 /usr/sbin/BleRc root 1230 3.9 0.4 629568 8844 ? Ssl 07:28 4:46 /usr/bin/nxserv root 1790 1.2 0.4 78696 8612 ? Ssl 07:28 1:31 /usr/share/xdia </div> </div> <div> <div>PID USER PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND</div> <div> 12512 root 20 0 2392 1404 1056 R 39.1 0.1 0:00.16 top 1685 root 20 0 642016 7756 6636 S 8.7 0.4 1:01.93 dsMgrMain 2984 root 20 0 1055120 139276 80104 S 8.7 7.1 12:27.11 WPEWebProc+ 1230 root 20 0 629568 8844 8276 S 4.3 0.5 4:47.49 nxserver 1790 root 20 0 78696 8612 7404 S 4.3 0.4 1:31.94 gdial-serv+ 1967 root 20 0 942216 33036 24960 S 4.3 1.7 6:52.47 WPEFramewo+ 2311 root 20 0 607636 1592 1420 S 4.3 0.1 0:50.76 audioserver 2963 root 20 0 229720 27992 23736 S 4.3 1.4 2:15.62 ResidentApp 1 root 20 0 25460 5488 3104 S 0.0 0.3 0:53.10 systemd 2 root 20 0 0 0 0 S 0.0 0.0 0:00.03 kthreadd 3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu_gp </div> </div> <div> <div>total used free shared buff/cache available</div> <div>Mem: 1.9G 72M 336M 1.0G</div> <div>Low: 1.9G 852M 1.0G</div> <div>High: 0B 0B 0B</div> <div>Swap: 0B 0B 0B</div> </div>	root@brcm972126ott-refboard-PR0013920:~# free -lh
6	Run YouTube	916 MB	624 MB	<div> <div>USER PID %CPU %MEM VSZ RSS TTY STAT START TIME COMMAND</div> <div> root 2984 10.1 6.8 1055496 134720 ? SLI 07:28 12:35 /usr/libexec/wp root 13237 12.2 5.3 1001584 104532 ? SI 09:31 0:07 WPEProcess -l root 2221 0.0 1.9 118420 38276 ? SI 07:28 0:01 WPEProcess -l root 1967 5.5 1.7 942404 33752 ? Ssl 07:28 6:58 /usr/bin/WPEFra avs 1365 0.1 1.5 289672 29980 ? Ssl 07:28 0:12 /usr/bin/xr-avs root 2979 0.1 1.4 263728 28996 ? SLI 07:28 0:11 /usr/libexec/wp root 2963 1.8 1.4 229720 27976 ? SI 07:28 2:16 WPEProcess -l root 2258 0.6 0.7 635372 13828 ? SI 07:28 0:49 WPEProcess -l root 1851 0.0 0.6 105956 12152 ? Ssl 07:28 0:07 /usr/bin/contro root 918 2.6 0.6 112888 12068 ? Ssl 07:28 3:15 /usr/sbin/syslo root 2046 1.2 0.6 83116 11844 ? Ssl 07:28 1:32 /usr/bin/btMgrB root 1724 0.9 0.5 141800 11196 ? Ssl 07:28 1:11 /usr/bin/tr69ho blercu 2064 0.3 0.4 84564 8872 ? Ssl 07:28 0:25 /usr/sbin/BleRc </div> </div> <div> <div>PID USER PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND</div> <div> 14637 root 20 0 2396 1412 1064 R 29.2 0.1 0:00.15 top 93 root 20 0 25308 5904 4964 S 4.2 0.3 3:24.08 systemd-jo+ 1576 root 20 0 627068 4452 3928 S 4.2 0.2 1:02.39 thermal_mgr 1804 non-root 20 0 665344 7852 6908 S 4.2 0.4 0:51.36 iMgrMain 1854 root 20 0 628084 3272 2792 S 4.2 0.2 0:53.75 CecDaemonM+ 1946 root 20 0 117336 7372 5904 S 4.2 0.4 1:20.09 netshrvmgr 2984 root 20 0 1055496 136684 80104 S 4.2 7.0 12:36.14 WPEWebProc+ 13237 root 20 0 1001584 104532 38324 S 4.2 5.3 0:09.02 YouTube 1 root 20 0 25460 5488 3104 S 0.0 0.3 0:53.90 systemd </div> </div> <div> <div>total used free shared buff/cache available</div> <div>Mem: 1.9G 624M 916M 72M</div> <div>Low: 1.9G 999M 916M</div> <div>High: 0B 0B 0B</div> <div>Swap: 0B 0B 0B</div> </div>	root@brcm972126ott-refboard-PR0013920:~# free -lh
7	Exit YouTube	943 MB	596 MB	<div> <div>USER PID %CPU %MEM VSZ RSS TTY STAT START TIME COMMAND</div> <div> root 2984 10.0 6.8 1058940 134172 ? SLI 07:28 12:45 /usr/libexec/wp root 13237 6.5 4.9 972680 98060 ? SI 09:31 0:13 WPEProcess -l root 2221 0.0 1.9 118420 38276 ? SI 07:28 0:01 WPEProcess -l root 1967 5.5 1.7 942404 33832 ? Ssl 07:28 7:04 /usr/bin/WPEFra avs 1365 0.1 1.5 289672 29980 ? Ssl 07:28 0:12 /usr/bin/xr-avs root 2979 0.1 1.4 280120 28892 ? SLI 07:28 0:11 /usr/libexec/wp root 2963 1.8 1.4 229720 27952 ? SI 07:28 2:18 WPEProcess -l root 2258 0.6 0.7 635372 13828 ? SI 07:28 0:50 WPEProcess -l root 1851 0.0 0.6 105956 12164 ? Ssl 07:28 0:07 /usr/bin/contro root 2046 1.2 0.6 83116 11844 ? Ssl 07:28 1:35 /usr/bin/btMgrB root 918 2.6 0.5 112856 11732 ? Ssl 07:28 3:20 /usr/sbin/syslo root 1724 0.9 0.5 141800 11280 ? Ssl 07:28 1:12 /usr/bin/tr69ho </div> </div> <div> <div>PID USER PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND</div> <div> 2984 root 20 0 1058868 135284 80104 S 10.8 6.9 12:49.40 WPEWebProc+ 1230 root 20 0 629568 8844 8276 S 4.0 0.5 4:57.57 nxserver 1967 root 20 0 942404 33832 25384 S 3.6 1.7 7:06.00 WPEFramewo+ 16631 root 20 0 2360 1400 1000 R 3.2 0.1 0:00.23 top 1790 root 20 0 78716 8620 7404 S 2.9 0.4 1:36.01 gdial-serv+ 13237 root 20 0 972680 98060 38324 S 2.5 5.0 0:14.05 YouTube 2963 root 20 0 229720 27952 23736 S 1.8 1.4 2:18.93 ResidentApp 1236 root 20 0 10236 600 504 S 1.4 0.0 1:45.67 logger.nex+ 1 root 20 0 25460 5488 3104 S 1.1 0.3 0:54.87 systemd </div> </div> <div> <div>total used free shared buff/cache available</div> <div>Mem: 1.9G 596M 943M 72M</div> <div>Low: 1.9G 972M 943M</div> <div>High: 0B 0B 0B</div> <div>Swap: 0B 0B 0B</div> </div>	root@brcm972126ott-refboard-PR0013920:~# free -lh

Network Speed:

- Tested this performance with ["**DOWNLOAD 77.04Mbps & UPLOAD 93.9Mbps**"] Network Speed.