

Hardware, Software and System Information

System ready check

show system status This command will check the main components status. After all of main components checking normally, the SONiC system is ready to use.

```
admin@5835:~$ show system status
```

System is ready

Caution: The command is comprised since 202006.3.

Hardware information

show environment This command displays the platform environmentals, such as voltages, temperatures and fan speeds.

```
admin@sonic:~$ show environment
```

show platform summary This command displays a summary of the device hardware platform

```
admin@sonic:~$ show platform summary
```

Platform: x86_64-accton_as5835_54x-r0

HwSKU: Accton-AS5835-54X

ASIC: broadcom

ASIC Count: 1

show platform syseeprom This command displays system EEPROM information such as MAC address, serial number, platform name

```
admin@sonic:~$ show platform syseeprom
```

TlvInfo Header:

Id String: TlvInfo

Version: 1

Total Length: 158

TLV Name	Code	Len	Value
Product Name	0x21	15	5835-54X-0-AC-F
Part Number	0x22	13	FP1ZZ56540B7A
Serial Number	0x23	10	AK02069566
Manufacture Date	0x25	19	01/22/2020 12:50:57
Label Revision	0x27	4	R0CA
Platform Name	0x28	27	x86_64-accton_as5835_54x-r0
Manufacturer	0x2B	6	Accton
Manufacture Country	0x2C	2	TW
MAC Addresses	0x2A	2	256
ONIE Version	0x29	13	2019.08.00.01
Base MAC Address	0x24	6	04:F8:F8:8D:81:E1
Diag Version	0x2E	11	01.01.01.03
CRC-32	0xFE	4	0x4BE9B0FB

(checksum valid)

show platform firmware status The command will display the CPLD and BIOS version.

```
admin@sonic:~$ show platform firmware status
```

Chassis	Module	Component	Version	Description
5835-54X-0-AC-F	N/A	CPLD1	3	CPLD 1
		CPLD2	2	CPLD 2
		CPLD3	2	CPLD 3
		CPLD4	1	CPLD FAN
		CPLD5	02.0e	CPLD CPU
		BIOS	v43.01.01.00	Basic Input/Output System

show platform psustatus This command will display the PSU status.

```
admin@sonic:~$ show platform psustatus
```

PSU	Model	Serial	HW Rev	Voltage (V)	Current (A)
Power (W)	Status	LED			

```

-----
PSU 1  YM-1401A  SA040V061843000184  N/A          0.00          0.00
0.00  NOT OK    red
PSU 2  YM-1401A  SA060V061911000304  N/A          11.74          7.41
82.00 OK      green

```

show platform temperature The command will display the information of temperature sensors.

```
admin@sonic:~$ show platform temperature
```

```

      Sensor      Temperature      High TH      Low TH      Crit High TH      Crit
Low TH      Warning      Timestamp
-----

```

```

      CPU Core 2 Temp      34      71      N/A      91.0
N/A      False  20230622 17:04:46
      CPU Core 6 Temp      29      71      N/A      91.0
N/A      False  20230622 17:04:46
      CPU Core 8 Temp      36      71      N/A      91.0
N/A      False  20230622 17:04:46
      CPU Core 12 Temp     31      71      N/A      91.0
N/A      False  20230622 17:04:46
      CPU Package Temp     35      71      N/A      91.0
N/A      False  20230622 17:04:46
PSU-1 temp sensor 1      28      80      N/A      N/A
N/A      False  20230622 17:04:46
PSU-2 temp sensor 2      32      80      N/A      N/A
N/A      False  20230622 17:04:46
      Temp sensor 1      29      80      N/A      N/A
N/A      False  20230622 17:04:45
      Temp sensor 2      34.5      80      N/A      N/A
N/A      False  20230622 17:04:45
      Temp sensor 3      29      80      N/A      N/A
N/A      False  20230622 17:04:46
      Temp sensor 4      30.5      80      N/A      N/A
N/A      False  20230622 17:04:46

```

show platform fan The command will display the R.P.M. and health status of fans.

```
admin@sonic:~$ show platform fan
```

```

      Drawer      LED      FAN      Speed      Direction      Presence      Status
Timestamp
-----

```

```

FanTray1  green      FAN-1F      40%      intake      Present      OK
20230622 17:05:45
FanTray1  green      FAN-1R      40%      intake      Present      OK
20230622 17:05:45
FanTray2  green      FAN-2F      40%      intake      Present      OK
20230622 17:05:45
FanTray2  green      FAN-2R      40%      intake      Present      OK
20230622 17:05:45
FanTray3  green      FAN-3F      40%      intake      Present      OK
20230622 17:05:45
FanTray3  green      FAN-3R      40%      intake      Present      OK
20230622 17:05:45
FanTray4  green      FAN-4F      40%      intake      Present      OK
20230622 17:05:45
FanTray4  green      FAN-4R      40%      intake      Present      OK
20230622 17:05:45
FanTray5  green      FAN-5F      40%      intake      Present      OK
20230622 17:05:45
FanTray5  green      FAN-5R      40%      intake      Present      OK
20230622 17:05:45
      N/A      red  PSU-1 FAN-1      0%      N/A      Present      Not OK

```

```
20230622 17:05:45
    N/A green PSU-2 FAN-1      13%      exhaust      Present      OK
20230622 17:05:47
Software information
show version This command displays the currently SONiC image version as well as
Docker image versions.
```

```
admin@sonic:~$ show version
```

```
SONiC Software Version: SONiC.Edgecore-SONiC_20231127_051854_ec202111_657
Distribution: Debian 11.8
Kernel: 5.10.0-8-2-amd64
Build commit: 8d5e0cc49
Build date: Mon Nov 27 10:53:03 UTC 2023
Built by: ubuntu@ip-10-5-1-50
```

```
Platform: x86_64-accton_as5835_54x-r0
HwSKU: Accton-AS5835-54X
ASIC: broadcom
ASIC Count: 1
Serial Number: AK02069571
Model Number: FP1ZZ56540B7A
Hardware Revision: N/A
Uptime: 17:06:48 up 18:20,  1 user,  load average: 4.88, 4.62, 4.56
```

```
Docker images:
REPOSITORY                                TAG
IMAGE ID      SIZE
docker-sonic-p4rt      Edgecore-SONiC_20231127_051854_ec202111_657
d36f3b9d5fa4    536MB
docker-sonic-p4rt      latest
d36f3b9d5fa4    536MB
docker-xstp           Edgecore-SONiC_20231127_051854_ec202111_657
c269d9651739    449MB
docker-xstp           latest
c269d9651739    449MB
docker-teamd          Edgecore-SONiC_20231127_051854_ec202111_657
b3afdd24a594    448MB
docker-teamd          latest
b3afdd24a594    448MB
docker-stp            Edgecore-SONiC_20231127_051854_ec202111_657
9415f5d58ac7    466MB
docker-stp            latest
9415f5d58ac7    466MB
docker-orchagent      Edgecore-SONiC_20231127_051854_ec202111_657
e85addefdddf    472MB
docker-orchagent      latest
e85addefdddf    472MB
docker-sflow          Edgecore-SONiC_20231127_051854_ec202111_657
ac3f39b7ad5a    449MB
docker-sflow          latest
ac3f39b7ad5a    449MB
docker-nat            Edgecore-SONiC_20231127_051854_ec202111_657
7bea8fb054d6    451MB
docker-nat            latest
7bea8fb054d6    451MB
docker-mcast          Edgecore-SONiC_20231127_051854_ec202111_657
bfe45b91b440    452MB
docker-mcast          latest
bfe45b91b440    452MB
docker-macsec         Edgecore-SONiC_20231127_051854_ec202111_657
aea4d6839c1f    451MB
docker-macsec         latest
aea4d6839c1f    451MB
```

docker-fpm-frr	Edgecore-SONiC_20231127_051854_ec202111_657
078b1e9b8d7e 477MB	
docker-fpm-frr	latest
078b1e9b8d7e 477MB	
docker-iccpd	Edgecore-SONiC_20231127_051854_ec202111_657
859f35257ffa 452MB	
docker-iccpd	latest
859f35257ffa 452MB	
docker-dhcp-relay	latest
ff82a267e6c9 443MB	
docker-sonic-telemetry	Edgecore-SONiC_20231127_051854_ec202111_657
7b4b9bf3b3f0 517MB	
docker-sonic-telemetry	latest
7b4b9bf3b3f0 517MB	
docker-sonic-mgmt-framework	Edgecore-SONiC_20231127_051854_ec202111_657
0e0d5184eacf 712MB	
docker-sonic-mgmt-framework	latest
0e0d5184eacf 712MB	
docker-platform-monitor	Edgecore-SONiC_20231127_051854_ec202111_657
5f1c9b3dc3c9 659MB	
docker-platform-monitor	latest
5f1c9b3dc3c9 659MB	
docker-dhcp-snoop	Edgecore-SONiC_20231127_051854_ec202111_657
ae8a384b9335 444MB	
docker-dhcp-snoop	latest
ae8a384b9335 444MB	
docker-syncd-brcm	Edgecore-SONiC_20231127_051854_ec202111_657
18bf70f435c3 634MB	
docker-syncd-brcm	latest
18bf70f435c3 634MB	
docker-snmp	Edgecore-SONiC_20231127_051854_ec202111_657
a8222436a942 474MB	
docker-snmp	latest
a8222436a942 474MB	
docker-router-advertiser	Edgecore-SONiC_20231127_051854_ec202111_657
1cf27c7e608c 430MB	
docker-router-advertiser	latest
1cf27c7e608c 430MB	
docker-mux	Edgecore-SONiC_20231127_051854_ec202111_657
86b4f2ca4d18 483MB	
docker-mux	latest
86b4f2ca4d18 483MB	
docker-lldp	Edgecore-SONiC_20231127_051854_ec202111_657
db64382e7bd8 470MB	
docker-lldp	latest
db64382e7bd8 470MB	
docker-gbsyncd-credo	Edgecore-SONiC_20231127_051854_ec202111_657
1fbc823725be 484MB	
docker-gbsyncd-credo	latest
1fbc823725be 484MB	
docker-dot1x	Edgecore-SONiC_20231127_051854_ec202111_657
2814a238bf7e 459MB	
docker-dot1x	latest
2814a238bf7e 459MB	
docker-database	Edgecore-SONiC_20231127_051854_ec202111_657
f3795e68202b 430MB	
docker-database	latest
f3795e68202b 430MB	
avizdock/ones-agent	v1.3.0
d964bac1604e 93.4MB	
ones-agent	latest
d964bac1604e 93.4MB	
k8s.gcr.io/pause	3.4.1
0f8457a4c2ec 683kB	

show service This command displays the state of all the SONiC processes running inside a docker container. This helps to identify the status of SONiC's critical processes.

admin@sonic:~\$ show services

show system-memory This command displays the system-wide memory utilization information

admin@sonic:~\$ show system-memory

	total	used	free	shared	buff/cache	available
Mem:	16014	2290	12045	71	1678	13393
Swap:	0	0	0			

System information

show uptime This command displays the current system uptime

admin@sonic:~\$ show uptime

shup 6 hours, 30 minutes

show clock This command displays the current date and time configured on the system

admin@sonic:~\$ show clock

Thu Nov 3 23:46:55 UTC 2016

show user This command displays a list of users currently logged in to the device

admin@sonic:~\$ show user

admin ttyS0 2016-11-03 23:46

show logging This command displays all the currently stored log messages. (refer detail to [Edgecore SONiC] Syslog)

admin@sonic:~\$ show logging

show reboot-cause This command displays the cause of the previous reboot

admin@sonic:~\$ show reboot-cause

User issued 'reboot' command [User: admin, Time: Wed Nov 9 10:14:59 UTC 2016]
Caution:

Unexpected reboot: power outage

admin@sonic:~\$ show reboot-cause

Unexpected reboot

log is saved on /host/reboot-cause/

admin@sonic:~\$ ls -l /host/reboot-cause/

total 8

-rw-r--r-- 1 root root 79 Aug 6 16:22 previous-reboot-cause.txt

-rw-r--r-- 1 root root 18 Aug 6 16:23 reboot-cause.txt