



General Utilities

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scp

Use the **scp** command on the sensor application CLI to securely send the collected PCAP files to other hosts in the network.

scp

This example displays how to share PCAP files with a remote host.

This example displays how to check the current date on the sensor:

```
sh-5.0# scp /iox_data/appdata/*.pcap.gz user@10.2.3.172:/srv/pub/date
```

For more information, see [scp](#).

top

Use the **top** command to identify the most used processes or services and their CPU and memory usage.

top

This example displays how to display the sorted list of system processes:

```
root@center100:~# top
top - 16:18:32 up 17:19, 1 user, load average: 0.52, 0.52, 0.61
Tasks: 299 total, 1 running, 298 sleeping, 0 stopped, 0 zombie
%Cpu(s): 2.0 us, 0.3 sy, 0.0 ni, 97.5 id, 0.1 wa, 0.0 hi, 0.2 si, 0.0 st
MiB Mem : 32083.2 total, 886.5 free, 5711.7 used, 25485.0 buff/cache
MiB Swap: 64166.5 total, 64159.5 free, 7.0 used. 22045.3 avail Mem

  PID USER      PR  NI   VIRT   RES   SHR S  %CPU  %MEM    TIME+  COMMAND
201043 postgres 20   0 4280628 106044 94696 S   7.3   0.3   0:01.15 postgres
1871 root       20   0 716204  11056  3688 S   2.7   0.0  38:28.49 sysinfod
1037 rabbitmq 20   0 3544340 244040 6040 S   0.7   0.7  24:36.89 beam.smp
3058 root       20   0 2379016 342896 34996 S   0.7   1.0   5:41.36 influxd
1027 snmp      20   0 12112   7688  4332 S   0.3   0.0   1:17.47 snmpd
1651 postgres 20   0 4262732 3.9g   3.9g S   0.3  12.4   1:58.89 postgres
1704 redis     20   0 98652   5764  3396 S   0.3   0.0   3:56.79 redis-server
2145 sbs-sys+ 20   0 725244 40024 10012 S   0.3   0.1   2:13.35 sysinfod-sensor
3148 root       20   0 9032316 985508 24232 S   0.3   3.0   8:56.12 java
200422 ntp       20   0 278332 141940 137392 S   0.3   0.4   0:01.06 postgres
  1 root       20   0 9652    7912  5144 S   0.0   0.0   0:05.91 systemd
  2 root       20   0 0        0      0 S   0.0   0.0   0:00.01 kthreadd
  3 root        0 -20 0        0      0 I   0.0   0.0   0:00.00 rcu_gp
  4 root        0 -20 0        0      0 I   0.0   0.0   0:00.00 rcu_par_gp
  5 root        0 -20 0        0      0 I   0.0   0.0   0:00.00 slub_flushwq
```

For more information, see [top](#).

vi

Use the **vi** command to edit files on a Cisco Cyber Vision Center or sensor application.

vi *filename*

Syntax Description

i Switches to the insert mode.

Esc Switches to the command mode. You can use the following commands in the command mode:

- **:w** — Save and continue editing
 - **:wq** — Save and quit/exit vi
 - **:q!** — Quit vi and do not save changes.
-

Command History

Release Modification

4.0 This command was introduced.

This example shows how to open a file using the "vi" editor:

```
root@center100:~# vi myfile.txt
```

For more information, see [vi](#).

ps

Use the **ps** command to list the processes that currently run on the system.

ps

This example displays how to report a snapshot of the current processes:

```
root@center100:~# ps
PID TTY          TIME CMD
 1359 pts/0        00:00:00 bash
 4311 pts/0        00:00:00 ps
```

For more information, see [ps](#).

openssl

Use the **openssl** command to check the details of the certificate installed on the Cisco Cyber Vision Center.

openssl

Command History

Release	Modification
3.0	This command was introduced.

To check the certificate installed on the Center, run this command:

```
root@center100:~# openssl x509 -in /data/etc/ca/center-cert.pem -text -nooutclone
```

Certificate:

Data:

```
Version: 3 (0x2)
Serial Number:
    a7:14:d1:0c:a4:e6:cd:26:e6:2b:62:21:05:67:28:66
Signature Algorithm: sha256WithRSAEncryption
Issuer: CN = Cisco Cyber Vision Center CA VMware-420fa93e303899ac-b12eefd0c6
Validity
    Not Before: Jun  5 15:59:09 2024 GMT
    Not After : Aug  4 15:59:09 2026 GMT
Subject: CN = center100.sentryo.local
Subject Public Key Info:
    Public Key Algorithm: rsaEncryption
    RSA Public-Key: (4096 bit)
    Modulus:
```

[...]

```
Exponent: 65537 (0x10001)
```

X509v3 extensions:

X509v3 Basic Constraints:

```
CA:FALSE
```

X509v3 Subject Key Identifier:

```
1D:3C:0D:72:5A:52:E0:2B:05:BF:9D:72:64:4D:9A:76:D8:E9:D1:DE
```

X509v3 Authority Key Identifier:

```
keyid:A1:E5:28:AC:C6:2E:F4:FD:B8:47:D5:CF:8E:45:BC:EE:48:E9:90:5D
```

```
DirName:/CN=Cisco Cyber Vision Center CA VMware-420fa93e303899ac-b12eefd0c6
```

```
serial:00
```

X509v3 Extended Key Usage:

```
TLS Web Server Authentication
```

X509v3 Subject Alternative Name:

```
DNS:center100.sentryo.local
```

[...]