

How To use SN CLI command mode

- Please note the feature is available from SNxxxxCO(HW: AX) firmware version v1.8.174, SNxxxxCO(HW:AXA) firmware version v3.0.299

1. Telnet or SSH to the SN:



```
Administrator: Command Prompt - ssh 192.168.0.111
C:\Users\Administrator>ssh 192.168.0.111
administrator@192.168.0.111's password:
```

2. Select "7" for CLI Mode:



```
OpenSSH SSH client
SN0132CO Main Menu
-----
1. Preferences
2. User Management
3. Port Settings
4. Port Access
5. Device Management

6. Sessions
7. CLI Mode

Q. Logout

Select one: 7
```

3. Enter CLI command: in this example we restore configuration setting, change the SN IP and name.



```
Administrator: Command Prompt
Welcome to CLI mode
Use command 'menu on' to back to main menu.
Use command 'quit' to log out.
SN0132COAXA >restore pwd 1qaz2wsx path ftp://192.168.0.115/ filename sysconf.dat ftpuser mitch ftppwd 1qaz2wsx netconfig if eth0 v4 ip 192.168.0.121 nm 255.255.255.0 gw 192.168.1.255 set hostname=SN9108CO
Restore successful, the device will reboot shortly.
SN0132COAXA >Connection to 192.168.0.111 closed by remote host.
Connection to 192.168.0.111 closed.
```

Command:

```
restore pwd <password> path <ftp://host_address/folder>filename <file_name> ftpuser <username>
ftppwd <password>
```

Example:

```
restore pwd 1qaz2wsx path ftp://192.168.0.115/ filename sysconf.dat ftpuser mitch ftppwd 1qaz2wsx netconfig
if eth0 v4 ip 192.168.0.123 nm 255.255.255.0 gw 192.168.1.255 set hostname=SN9108CO
```

Description:

Restore the system configuration file "sysconf.dat" from the FTP site whose IP is "192.168.0.115", and decrypt it with the password "1qaz2wsx".

The user name for logging in to the FTP site is "mitch" and the login password is "1qaz2wsx".

Meanwhile, set the IP address of LAN port 1 to be 192.168.0.123, the subnet mask to be 255.255.255.0, and the gateway address to be 192.168.1.255. Set "SN9108CO" as the hostname or the device name of the serial console server.

There are more CLI commands available, please refer to SN user manual "CLI Command Set" section for more detail.

https://assets.aten.com/product/manual/sn0108co-sn0116co-sn0132co-sn0148co-sn9108co-sn9116co-sn0108cod-sn0116cod-sn0132cod-sn0148cod_um_w_2022-11-15.pdf

Note:

1. You may configure SN CLI mode as default by:

a. Go to "5" Device Management--> "17" Console Settings:

```
SN0132C0 Main Menu
-----
1. Preferences
2. User Management
3. Port Settings
4. Port Access
5. Device Management

6. Sessions
7. CLI Mode

Q. Logout

Select one: 5_
```

```
SN0132C0 Device Management
-----
1. Device Name [SN0132C0]
2. Display device name in login page
3. Device Description []
4. MFG [AIMA2770012]

5. Network Interfaces Information
6. Network Settings
7. USB / NFS Mounting
8. Syslog Settings for Port Logs
9. Port Name Auto Discovery

10. ANMS -- Event Notification
11. ANMS -- Authentication & Authorization
12. ANMS -- CC Management

13. OOB settings

14. Security Settings
15. Association
16. Date/Time Settings
17. Console Settings

Q. Exit

Select one: 17_
```

b. By default it is Menu-driven, you can select it to CLI:

```
SN0132C0 Console Settings
-----
1. Default Console Mode[Menu-driven]

Q. Exit

Select one: 1
Current Console Mode: [Menu-driven]
Enter new Console Mode(0-Menu-driven, 1-CLI):
```

2. You need to enable Telnet service if you want to access SN from Telnet:

