Getting Started

Task Flow

The following procedure shows the basic tasks that should be completed when configuring your Firepower 9300 chassis.

Procedure

Step 1	Configure the Firepower 9300 chassis hardware (see the *Cisco Firepower Security Appliance Hardware Installation Guide*).
Step 2	Complete the initial configuration (see Initial Configuration, on page 1).
Step 3	Set the Date and Time (see Setting the Date and Time).
Step 4	Configure a DNS server (see Configuring DNS Servers).
Step 5	Register your product license (see License Management for the ASA).
Step 6	Configure users (see User Management).
Step 7	Perform software updates as required (see Image Management).
Step 8	Configure additional platform settings (see Platform Settings).
Step 9	Configure interfaces (see Interface Management).
Step 10	Create logical devices (see Logical Devices).

Initial Configuration

Before you can use Firepower Chassis Manager or the FXOS CLI to configure and manage your system, you must perform some initial configuration tasks using the FXOS CLI accessed through the console port. The first time that you access the Firepower 9300 chassis using the FXOS CLI, you will encounter a setup wizard that you can use to configure the system.

You can choose to either restore the system configuration from an existing backup file, or manually set up the system by going through the Setup wizard. If you choose to restore the system, the backup file must be reachable from the management network.

You must specify only one IPv4 address, gateway, and subnet mask, or only one IPv6 address, gateway, and network prefix for the single management port on the Firepower 9300 chassis. You can configure either an IPv4 or an IPv6 address for the management port IP address.

Before you begin

1. Verify the following physical connections on the Firepower 9300 chassis:
   - The console port is physically connected to a computer terminal or console server.
   - The 1 Gbps Ethernet management port is connected to an external hub, switch, or router.

   For more information, refer to the *Cisco Firepower Security Appliance Hardware Installation Guide*.
2. Verify that the console port parameters on the computer terminal (or console server) attached to the console port are as follows:
   - 9600 baud
   - 8 data bits
   - No parity
   - 1 stop bit

Procedure

Step 1 Connect to the console port.

Step 2 Power on the Firepower 9300 chassis.

You will see the power on self-test messages as the Firepower 9300 chassis boots.

Step 3 When the unconfigured system boots, a setup wizard prompts you for the following information required to configure the system:

Step 4 Review the setup summary and enter **yes** to save and apply the settings, or enter **no** to go through the Setup wizard again to change some of the settings.

If you choose to go through the Setup wizard again, the values you previously entered appear in brackets. To accept previously entered values, press **Enter**.

Example

The following example sets up a configuration using IPv4 management addresses:

```
Enter the setup mode; setup newly or restore from backup. (setup/restore) ? setup
You have chosen to setup a new Fabric interconnect. Continue? (y/n): y
Enforce strong password? (y/n) [y]: n
Enter the password for "admin": adminpassword%958
```

```
Confirm the password for "admin": adminpassword%958
Enter the system name: foo
Physical Switch Mgmt0 IP address : 192.168.10.10
Physical Switch Mgmt0 IPv4 netmask: 255.255.255.0
IPv4 address of the default gateway: 192.168.10.1
Do you want to configure IP block for ssh access? (yes/no) [y]: y
  SSH IPv4 block netmask: 0.0.0.0
Do you want to configure IP block for https access? (yes/no) [y]: y
  HTTPS IP block address: 0.0.0.0
  HTTPS IPv4 block netmask: 0.0.0.0
Configure the DNS Server IP address (yes/no) [n]:y
  DNS IP address: 20.10.20.10
Configure the default domain name? (yes/no) [n]: y
  Default domain name: domainname.com
Following configurations will be applied:
  Switch Fabric=A
  System Name=foo
  Enforce Strong Password=no
  Physical Switch Mgmt0 IP Address=192.168.10.10
  Physical Switch Mgmt0 IP Netmask=255.255.255.0
  Default Gateway=192.168.10.1
  IPv6 value=0
  SSH Access Configured=yes
      SSH IP Address=0.0.0.0
      SSH IP Netmask=0.0.0.0
  HTTPS Access Configured=yes
      HTTPS IP Address=0.0.0.0
      HTTPS IP Netmask=0.0.0.0
  DNS Server=20.10.20.10
  Domain Name=domainname.com
Apply and save the configuration (select 'no' if you want to re-enter)? (yes/no): yes
```

The following example sets up a configuration using IPv6 management addresses:

```
Enter the setup mode; setup newly or restore from backup. (setup/restore) ? setup
You have chosen to setup a new Fabric interconnect. Continue? (y/n): y
Enforce strong password? (y/n) [y]: n
Enter the password for "admin": adminpassword%652
Confirm the password for "admin": adminpassword%652
Enter the system name: foo
Physical Switch Mgmt0 IP address :  2001::107
Physical Switch Mgmt0 IPv6 prefix: 64
IPv6 address of the default gateway: 2001::1
Do you want to configure IP block for ssh access? (yes/no) [y]: y
  SSH IPv6 block netmask: 0.0.0.0
Do you want to configure IP block for https access? (yes/no) [y]: y
  HTTPS IP block address: 0.0.0.0
  HTTPS IPv6 block netmask: 0.0.0.0
Configure the DNS Server IPv6 address? (yes/no) [n]: y
  DNS IP address: 2001::101
Configure the DNS Server IP address (yes/no) [n]:
Configure the default domain name? (yes/no) [n]: y
  Default domain name: domainname.com
Following configurations will be applied:
  Switch Fabric=A
  System Name=foo
  Enforced Strong Password=no
  Physical Switch Mgmt0 IPv6 Address=2001::107
  Physical Switch Mgmt0 IPv6 Prefix=64
  Default Gateway=2001::1
  Ipv6 value=1
  SSH Access Configured=yes
      SSH IP Address=0.0.0.0
      SSH IP Netmask=0.0.0.0
```

```
  HTTPS Access Configured=yes
      HTTPS IP Address=0.0.0.0
      HTTPS IP Netmask=0.0.0.0
  DNS Server=2001::101
  Domain Name=domainname.com
Apply and save the configuration (select 'no' if you want to re-enter)? (yes/no): yes
```

Accessing the FXOS CLI

You can connect to the FXOS CLI using a terminal plugged into the console port. Verify that the console port parameters on the computer terminal (or console server) attached to the console port are as follows:

- 9600 baud
- 8 data bits
- No parity
- 1 stop bit

You can also connect to the FXOS CLI using SSH and Telnet. The Firepower eXtensible Operating System supports up to eight simultaneous SSH connections. To connect with SSH, you need to know the hostname or IP address of the Firepower 9300 chassis.

Use one of the following syntax examples to log in with SSH, Telnet, or Putty:

Note SSH log in is case-sensitive.

From a Linux terminal using SSH:

- **ssh ucs-***auth-domain**username*@{*UCSM-ip-address* | *UCMS-ipv6-address*}

  ```
  ssh ucs-example\\jsmith@192.0.20.11
  ssh ucs-example\\jsmith@2001::1
  ```

- **ssh -l ucs-***auth-domain**username* {*UCSM-ip-address*| *UCSM-ipv6-address*| *UCSM-host-name*}

  ```
  ssh -l ucs-example\\jsmith 192.0.20.11
  ssh -l ucs-example\\jsmith 2001::1
  ```

- **ssh** {*UCSM-ip-address* | *UCSM-ipv6-address* | *UCSM-host-name*} **-l ucs-***auth-domain**username*

  ```
  ssh 192.0.20.11 -l ucs-example\\jsmith
  ssh 2001::1 -l ucs-example\\jsmith
  ```

- **ssh ucs-***auth-domain**username*@{*UCSM-ip-address* | *UCSM-ipv6-address*}

  ```
  ssh ucs-ldap23\\jsmith@192.0.20.11
  ssh ucs-ldap23\\jsmith@2001::1
  ```

From a Linux terminal using Telnet:

Note Telnet is disabled by default. See Configuring Telnet for instructions on enabling Telnet.

- **telnet ucs-***UCSM-host-name* **ucs-***auth-domain**username*

```
telnet ucs-qa-10
login: ucs-ldap23\blradmin
```

- **telnet ucs-**{*UCSM-ip-address* | *UCSM-ipv6-address*}*ucs-auth-domain**username*

```
telnet 10.106.19.12 2052
ucs-qa-10-A login: ucs-ldap23\blradmin
```

From a Putty client:

- Login as: **ucs-***auth-domain**username*

```
Login as: ucs-example\jsmith
```

Note If the default authentication is set to local, and the console authentication is set to LDAP, you can log in to the fabric interconnect from a Putty client using **ucs-local\admin**, where admin is the name of the local account.