

Appendix C

Configuring IPMI with the SRC CLI and the C-Web Interface

This appendix describes how to configure IPMI. The way that you configure IPMI has changed. These sections replace the corresponding sections in the *C2000 and C4000 Hardware Guide*.

Commands to Manage an IPMI Interface

You can use the following operational mode commands to manage IPMI interfaces:

- `ipmisol open`
- `ipmisol close remote-session`
- `ipmisol close local-session`

For detailed information about each command, see the *SRC-PE CLI Command Reference*.

Configuring IPMI with the SRC CLI

For the C2000 model, an IPMI configuration includes an IP address assigned to the IPMI interface and a gateway IP address. For the C4000 model, only a gateway IP address is required because the IP address for the IPMI interface is the same as the IP address assigned to the eth0 interface on the C4000 model.

Use the following configuration statements to configure an IPMI interface on a C-series Controller:

```
system ipmi {
  address address;
  gateway gateway;
  user name;
}
```

To configure IPMI on an interface:

1. From configuration mode, access the configuration statement that configures an IPMI interface.

```
user@host# edit system ipmi
```

2. Set the IP address.

```
[edit system ipmi]
user@host# set address address/destination prefix
```

An IP address is required for a C2000 model but is set automatically to the address of the eth0 interface on a C4000 model.

3. Set the default gateway IP address. A default gateway is a node on a network that serves as an access point to another network.

```
[edit system ipmi]
user@host# set gateway gateway
```

4. Verify the configuration.

```
[edit system ipmi]
user@host# show
address 10.227.7.145/24;
gateway 10.227.7.1;
```

Creating IPMI User Accounts

An IPMI username and password are required to connect to a remote IPMI interface. You can define new IPMI user accounts using the CLI.

To create an IPMI user account:

1. From configuration mode, access the configuration statement that configures an IPMI interface.

```
user@host# edit system ipmi
```

2. Set a plain-text password that is autoencrypted by the CLI.

```
[edit system ipmi]
user@host# set user name plain-text-password
```

For example:

```
user@host#set user johndoe plain-text password
New password: xyz123 (text will not appear)
Re-type new password: xyz123 (text will not appear)
```

3. Verify the configuration.

```
[edit system ipmi]
admin@gnome# show
address 10.227.1.145/24;
gateway 10.227.7.1;
user admin {
    encrypted-password *****;
}
user johndoe {
    encrypted-password *****;
}
```

Disconnecting from a Serial Console Using IPMI Serial over LAN (SOL)

Only one IPMI SOL connection is allowed per IPMI interface. You can close the active IPMI connection to a local host or to a remote host.

To disconnect from a local host using IPMI SOL:

- From operational mode, enter the **ipmisol close local-session** command to close the active IPMI connection to a local host.

```
user@host#ipmisol close local-session host
```

To disconnect from a remote host using IPMI SOL:

- From operational mode, enter the **ipmisol close remote-session** command to close the active IPMI connection to a remote host.

```
user@host>ipmisol close remote-session host host user user
```

- **host**—IP address of remote host IPMI interface
- **user**—IPMI user name configured in the remote host

For example:

```
user@host>ipmisol close remote-session host 10.10.10.30 user johndoe
```

Configuring IPMI with the C-Web Interface

For the C2000 model, an IPMI configuration includes an IP address assigned to the IPMI interface and a gateway IP address. For the C4000 model, only a gateway IP address is required because the IP address for the IPMI interface is the same as the IP address assigned to the eth0 interface on the C4000 model.

To configure IPMI on an interface:

1. Click **Configure**, expand **System**, and then click **IPMI**.

The IPMI pane appears.

2. In the Address box, enter an IP address.
 - An IP address is required for a C2000 model but is set automatically to the address of the eth0 interface on a C4000 model.
 - **address** is in the format IP address/destination prefix, such as 10.227.7.145/24.

3. In the Gateway box, enter the default gateway IP address.

A default gateway is a node on a network that serves as an access point to another network.

4. Click **Apply**.

The IPMI pane displays the new attributes.

Viewing IPMI User Accounts with the C-Web Interface

To display the IPMI user accounts:

- Click **Configure**, expand **System**, and then click **IPMI > User**.

IPMI user accounts are listed in the main pane.

Creating an IPMI User Account with the C-Web Interface

An IPMI username and password are required to connect to an IPMI interface. You can create new IPMI user accounts so that IPMI authentication can occur.

To create an IPMI user account:

1. Click **Configure**, expand **System**, and then click **IPMI**.

The IPMI pane appears.

2. Select **User** from the drop-down list, enter the name of the user in the pop-up dialog box, and click OK.

The IPMI / User pane appears.

3. Enter a password. When the user account is created, the password is encrypted with a Base64 encoding scheme.
4. Click **Apply**.

The IPMI user appears in the side pane under IPMI.