Quick Start Basic Configuration

Note

- Use this "Quick Start Basic Configuration" chapter if you just need a list of commands and steps to quickly set up and use the Cisco UCS E-Series Server (E-Series Server) or the Cisco UCS E-Series Network Compute Engine (NCE).
- For detailed instructions, use subsequent chapters.

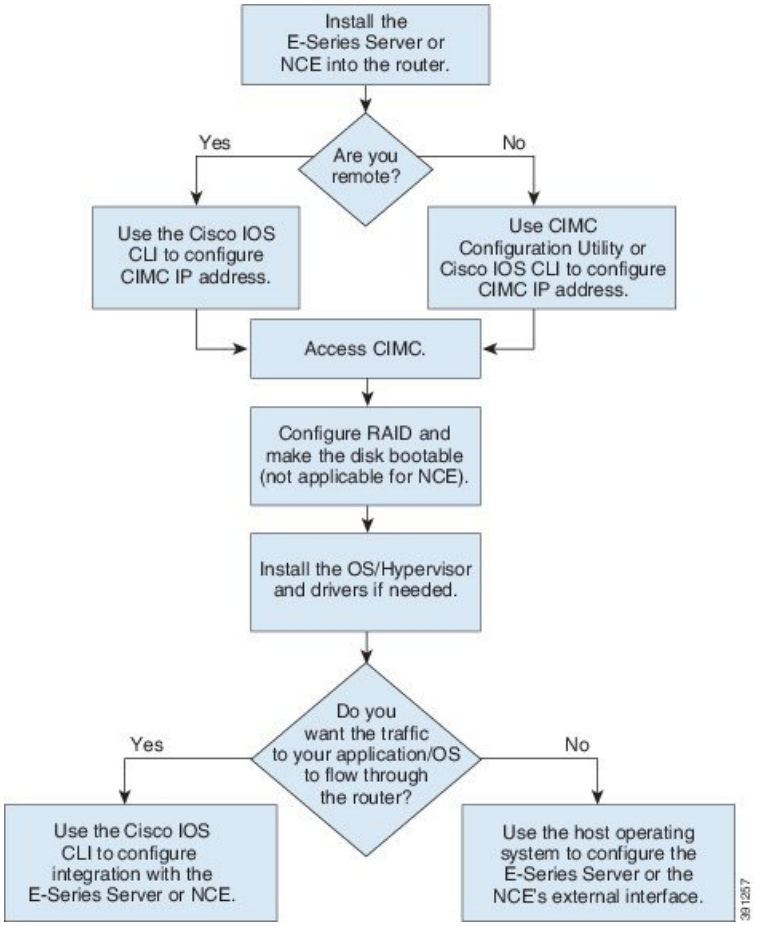
Use this quick start basic configuration chapter if you purchased Option 1 (E-Series Server or NCE without a preinstalled operating system or hypervisor). Some of the configuration steps are different if you purchased Option 2 (E-Series Server or NCE with a preinstalled Microsoft Windows Server), or Option 3 (E-Series Server or NCE with a preinstalled VMware vSphere Hypervisor).

This chapter includes the following sections:

Quick Start Basic Configuration Tasks

The following figure shows the basic workflow for Option 1—E-Series Server or NCE without a preinstalled operating system or hypervisor.

Figure 1: Basic Workflow—Option 1



Note The CIMC Configuration Utility is not applicable to the EHWIC E-Series NCE and the NIM E-Series NCE.

Note The RAID feature is applicable to E-Series Servers and the SM E-Series NCE. The RAID feature is not applicable to the EHWIC E-Series NCE and the NIM E-Series NCE.

Procedure

Step 1 Install the E-Series Server or NCE into the router.

Step 2 Configure the CIMC IP address for CIMC access. Use one of the following methods:

- If you are a remote user, use the Cisco IOS CLI to configure CIMC access. This basic configuration shows you how to configure CIMC access using the server's external GE2 interface:

  a. enable

b. **configure terminal**

c. Use one of the following as appropriate:

- **interface ucse** *slot*/*port*—Use for all E-Series Servers or SM E-Series NCE installed in a Cisco ISR G2 or Cisco ISR 4000 series.
- **interface ucse 0**/*subslot*/*port*—Use for an EHWIC E-Series NCE installed in a Cisco ISR G2.
- **interface ucse** *slot*/*subslot*/*port*—Use for a NIM E-Series NCE installed in a Cisco ISR 4000 series.
- **ucse subslot** *slot*/*subslot*—Use for all E-Series Servers and NCEs installed in a Cisco ISR G2 or Cisco ISR 4000 series.

d. **imc ip address** *cimc-ip-address subnet-mask* **default-gateway** *cimc-gateway-ip-address*

e. **imc access-port shared-lom ge2**

f. **no shut**—Not applicable for an E-Series Server installed in a Cisco ISR 4000 series.

g. **end**

Note For detail configuration, see one of the following topics as appropriate:

- Configuring CIMC Access Using the E-Series Server's External GE2 or GE3 Interface—Cisco ISR G2
- Configuring CIMC Access Using the E-Series Server's External GE2 or GE3 Interface—Cisco ISR 4000 Series
- Configuring CIMC Access Using the EHWIC E-Series NCE's External GE2 Interface
- Configuring CIMC Access Using the NIM E-Series NCE's External GE2 Interface—Cisco ISR 4000 Series

To use another interface, see Configuring Access to the Management Firmware.

- If you are a local user, use one of the following methods:
  - Connect a keyboard and monitor to the front panel of the E-Series Server, and then use the CIMC Configuration Utility to configure CIMC access. See Configuring CIMC Access Using the CIMC Configuration Utility.

    Note The CIMC Configuration Utility is not applicable to the EHWIC E-Series NCE and the NIM E-Series NCE.

  - Use the Cisco IOS CLI to configure CIMC access (see the configuration for a remote user above).

Step 3 In your web browser, enter the IP address that you configured in Step 2 to access CIMC.

Step 4 Configure RAID and make the disk drive bootable. See Managing Storage Using RAID.

Step 5 Install the operating system or hypervisor and if needed, install drivers. See Installing the Operating System or Hypervisor.

Step 6 Do one of the following:

- If you do not want the traffic to your application or operating system to flow through the router, use the server's host operating system to configure the E-Series Server's external GE2 or GE3 interface or the NCE's external GE2 interface.
- If you want the traffic to your application or operating system to flow through the router, use the Cisco IOS CLI to configure an internal connection between the router and the E-Series Server or NCE. See Configuring a Connection Between the Router and the E-Series Server or NCE.