Powering On the CTP Platform

☞ **NOTE:** In this procedure we assume that the device is already connected to a power source. If using a DC power supply, see Cabling the CTP Platform for DC Power.

For specifications on the electrical requirements for the device, see CTP150 Platform Specifications or specifications for one of the other CTP models.

⚠ **CAUTION:** Evaluate the overall loading of the branch circuit before you install any equipment into a rack.

To power on the device:

1. Verify that the power source is operational.

2. Inspect all grounding and power connections to the device chassis.

3. Confirm that all cable connections are secure.

4. Switch any available power switches to ON.

5. Monitor LEDs to verify that the device is booting properly.

   The device goes through a boot process. When a prompt appears on the system console, the device is ready to be configured. If the system is new, the device boots to a first boot script. If the system is already operational, it boots to a login prompt.

The series of login prompts requires the following settings:

1. Default username (ctp) and password (ctp). (We recommend that you change the root password after entering the default.)

2. Supported protocol or protocols—(0) IPv4 only, (1) IPv6 only, or (2) IPv4 and IPv6. Enter the appropriate number value.

3. Default interface—From the list of available devices, such as eth0 and eth1 (or more), enter the one to be the default.

4. Hostname of the device.

5. IP address of the interface—Enter the IP address of the selected interface, or accept the loopback address (127.0.0.1) by default.

6. Netmask of the IP address—Enter the netmask (such as 255.255.255.128), or accept 255.255.255.0 as the default.

7. Gateway IP address—Enter the IP address of the gateway, or accept the local address (127.0.0.1) as the default

8. Maximum transmission unit (MTU)—Enter the MTU in bytes, or accept 1500 bytes as the default.

9. Static routes added to the default interface, if any.

10. Date and time GMT (more precisely, UTC)—Enter these separately in digits for the month, day, hour, and minutes in Coordinated Universal Time (UTC), or accept the internal settings.

   The device goes into startup mode.

For example:

```
...
*********** Setting up the root password ************
Changing root's password!
Changing password for user root.
New password:
Retype new password:
BAD PASSWORD: it is too short
passwd: all authentication tokens updated successfully.
************** Setting up the network ***************
Configure supported protocols:
0)  IPv4 Only
1)  IPv6 Only
2)  IPv4 and IPv6
Please select your option (rtn for 0):

There are 4 ethernet devices available for use. The default device
is the device through which the default gateway can be accessed.

Ctp circuits can run over any ethernet device, default or not.
A default device must be configured, other devices may be configured
and enabled, or disabled. Here is a list ot the available devices
and their descriptions:

        eth0: 10/100/1000 Copper (front)
        eth1: 10/100/1000 Copper (back)
        eth2: 1000 Fiber (left)
        eth3: 1000 Fiber (right)

What device would you like to make the IPV4 default device? (rtn for eth0): eth1
OK, eth1 (10/100/1000 Copper (back)) will be configured as IPV4 default device.

Please input the hostname (return for (none)): nova_54

===== Configuration for eth1 (default device):
Please input the ip (return for 127.0.0.1): 172.25.61.54
Please input the netmask (return for 255.255.255.0): 255.255.255.128
Please input the gateway (return for 127.0.0.1): 172.25.61.1
Please input the mtu in bytes (return for 1500):

Add route to interface eth1 [n]

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=== OS Security level set to LOW ===
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************** Setting up date/time ******************
Setting the date (GMT). Please input the year [2008-2020] (return for 2010):

Setting the date (GMT). Please input the month [1-12] (return for 01):

Setting the date (GMT). Please input the day [1-31] (return for 11):
```

```
Setting the date (GMT). Please input the hour [0-23] (return for 20):

Setting the date (GMT). Please input the minute [0-59] (return for 22):

INIT: Entering runlevel: 3
Entering non-interactive startup
...
```

During initial power-on, the components of the platform run boot code, go through a series of self-diagnostic tests, and synchronize with each other.

When the tests are complete, use the LEDs on each module to determine the status of the device. Observe the module LEDs on the front or rear components.

Related Topics   ■   Before You Power On the CTP Platform

■   Powering Off the CTP Platform

Published: 2010-04-18