



Web User Interface (WebUI)

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Day 0 Web User Interface



Note A Day 0 configuration is defined as a device that is fresh out of the box with no startup-configuration.

The Day 0 Web User Interface (WebUI) will be supported on the IR1800. Day 0 WebUI is supported only on LAN ports. These are GigabitEthernet ports 0/1/0 – 0/1/3 on the IR1800. Connect either a Windows, Linux or Mac PC/Laptop to one of the LAN ports of the IR1800 and boot the router on Day 0. The PC/Laptop should be configured to obtain an IP address through DHCP.

Once the router boots up in Day 0, the PC/Laptop will acquire IP address in 192.168.1.x network and can access WebUI using the IP address of 192.168.1.1 with any browser. After the configuration is applied through the WebUI, the router will display the message "Day 0 config done. Stopping autoinstall".



Note Issue a **write memory** command once the configuration is applied through the WebUI.

Day 0 Cellular Mode

Cisco IOS XE release 17.9.1 provides new functionality allowing the router to be configured on Day 0 through the cellular pluggable module. This assumes a cellular pluggable module is already installed.

This mode helps configuring the Cellular APN, assuming the customer gets a private APN (or private LTE/5G) as WAN backhaul. By doing so, the APN value is stored in the modem. Once the router reboots, it is reset to factory-default, enabling the router to perform PnP over Cellular when private APN is used.



Note Advanced Mode is needed in order to set up Cellular WAN, including public or private APN. This should be provided by your SIM's service provider.



Note The pluggable interface is not hot swappable. If you wish to change a SIM, power off the router.

The steps to configure through the cellular pluggable module follow:

1. Select the Cellular interface in the **WAN type**.
2. Enter the APN name.
3. There is no need to select a backup WAN.
4. Reboot the router.

PnP will now be able to run with private APN to connect to IOS OD, vManage, or DNA-C.

Configuration Notes

The following are limitations to the Day 0 feature:

- The WebUI is not supported on the GigabitEthernet 0/0/0 port. It is only supported on the LAN ports GigabitEthernet0/1/0 through GigabitEthernet0/1/3.
- Plug and Play (PNP) cannot be used if router is being used to configure using Day 0 WebUI as PNP will be aborted once the configuration is applied through Day 0 WebUI.

Configuring Your Computer to Connect to the Router

The following section provides guidance for configuring your computer to properly interface with the IR1800.

You can access the application from a client web browser. Ensure that the following web client requirements are met:

- Hardware—A Mac (OS version 10.9.5) or Windows (OS version 10) laptop or desktop compatible with one of the following tested and supported browsers:
 - Google Chrome 59 or later
 - Mozilla Firefox 54 or later
 - Apple Safari 10 or later
 - Microsoft Edge browser
- Display resolution—We recommend that you set the screen resolution to 1280 x 800 or higher.

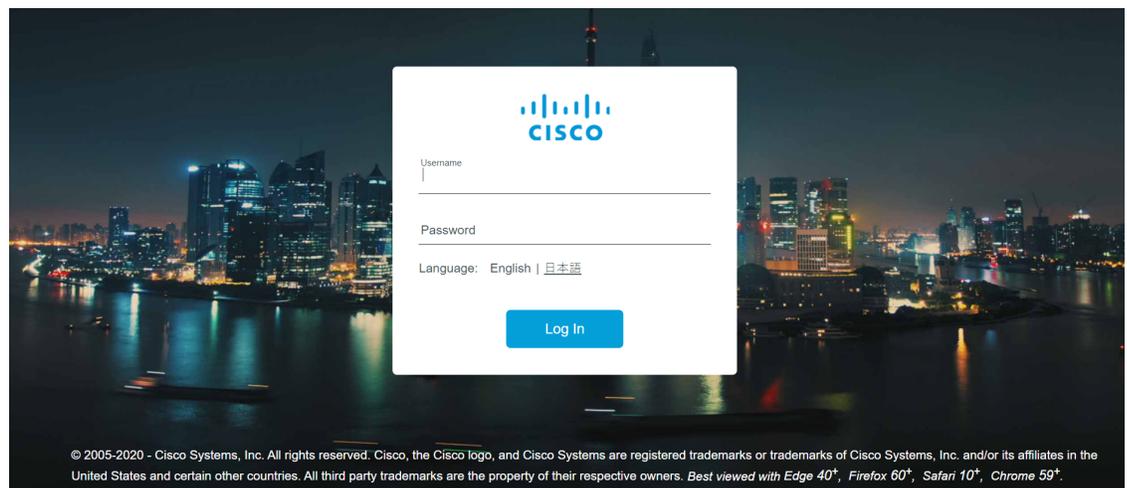
Configuring the WebUI through the Browser

The following steps guide you through the process of using the browser on your PC/laptop to configure the WebUI.

Procedure

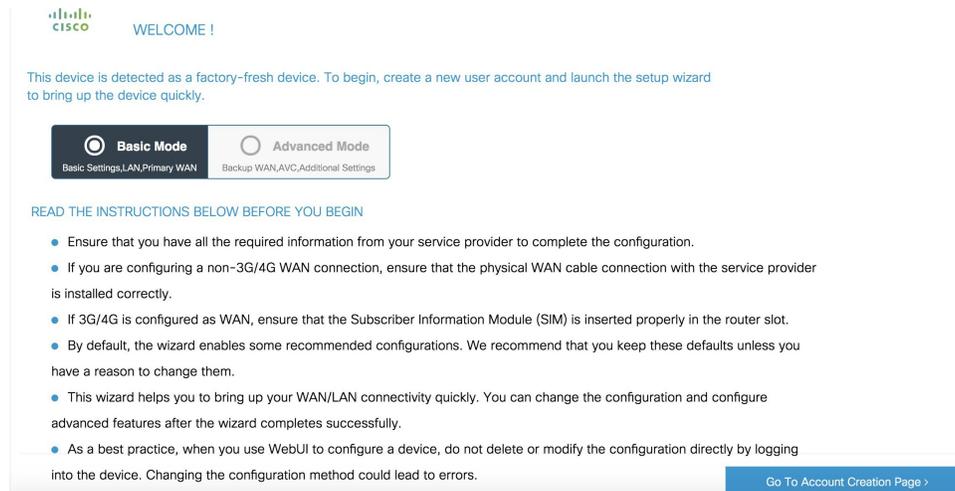
- Step 1** Open your browser and enter 192.168.1.1 in the address bar. The Login Screen appears. Enter the Username **webui** and the Password **cisco**. Then click **Log In**.

Figure 1: Login Screen



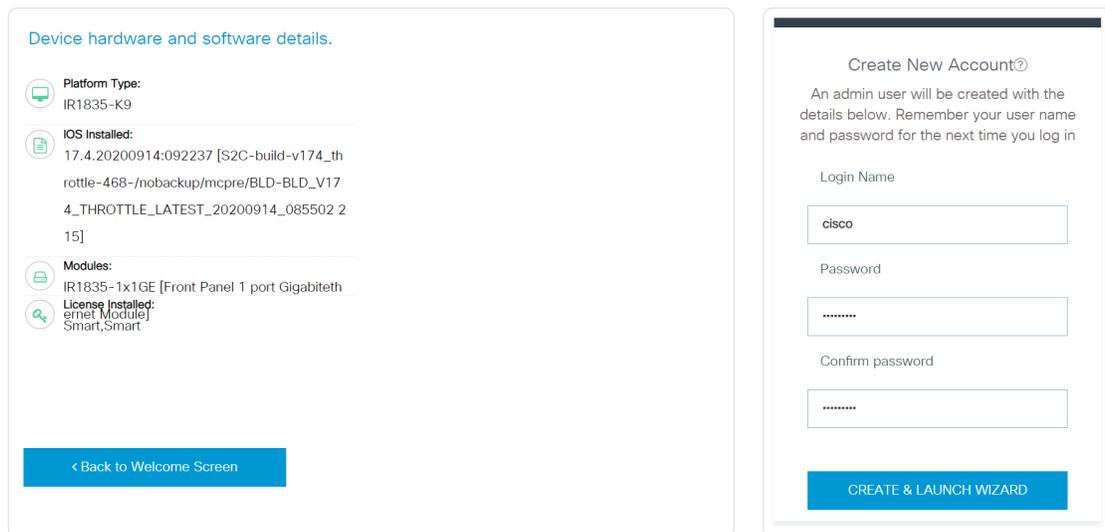
- Step 2** The Welcome Screen appears. Select Advanced Mode or Basic Mode. Basic Mode allows for configuring Basic settings, LAN, and a Primary WAN. Advanced Mode allows you to configure an additional Backup WAN, AVC, as well as additional settings. For the purposes of this guide, Basic Mode is used. Select **Basic Mode**, then click **Go To Account Creation Page**.

Figure 2: Welcome Screen

**Step 3**

The Create New Account Screen appears. Create a new Login Name and Password to access the WebUI. Click **Create and Launch Wizard**.

Figure 3: Create New Account Screen

**Step 4**

The Basic Settings Screen appears. Provide a Router Name (hostname), Domain Name, Time Zone and Date & Time Mode. Click **LAN SETTINGS**.

Figure 4: Basic Settings Screen

Step 5 The LAN Configuration Screen appears. Enter the webui_dhcp Pool Name, VLAN interface IP address, and select the interface that is connected to your laptop from the list of available interfaces. Click **PRIMARY WAN SETTINGS**.

Figure 5: LAN Configuration Screen

Step 6 The PRIMARY WAN SETTINGS Screen appears. Configure the WAN interface by selecting the WAN Type and Interface from the available options. Next enter your DNS IP address information and select Enable/Disable NAT. Click **Day 0 Config Summary**.

Figure 6: Primary WAN Interface Screen

WAN Configuration

WAN Type *

Interface *

Connection and Authentication

PPPoE

DNS / IP Address

Get IP automatically from ISP

Get DNS Server info directly from ISP

NAT

HELP AND TIPS

Select the type of WAN Connection.

Select the Ethernet interface for configuring Ethernet WAN.

Select the appropriate IP address configuration information based on whether you are configuring an IPv4 or IPv6 address. Specify the details for the IP address depending on whether the IP address is dynamically or statically assigned.

It is recommended to enable NAT for WAN interfaces.

Username and password are to be obtained from service provider if PPPoE option is enabled and PAP or CHAP is preferred as authentication mechanism.

< LAN SETTINGS

Day 0 Config Summary >

Step 7

The Review Summary Screen appears. Verify your entries before applying the configuration.

Figure 7: Summary Screen

Configuration Setup Wizard

SUMMARY

This screen provides the summary of all the steps configured as a part of the day zero configuration. Please click Submit to configure the device.

Basic	✓ Router Name: IR1800, ✓ Domain Name: cisco.com, ✓ Time Zone: -7.00, ✓ Date & Time Mode: NTP Time
LAN	✓ Pool Name: webui_int, ✓ Network: 10.0.0.2 (255.255.255.0), ✗ Management Interface Configured: No
Primary WAN	✓ WAN Interface: GigabitEthernet0/0/0, ✓ IP Address: NTP Time, ✓ DNS: NTP Time, ✓ NAT: Enabled, ✗ PPPoE: Disabled

CLI Preview

Step 8

(Optional) You can click on **CLI Preview** to see the Configuration that is being applied to the router. Close the CLI Preview and if you are ready, Click **Submit**.

Figure 8: CLI Preview Screen

Config Exec

```

ip domain name cisco.com
clock timezone GMT -7 00

username cisco privilege 15 secret 0 Q21zY28xMjNA

hostname "IR1800"

interface vlan 1
ip address 10.0.0.1 255.255.255.0
no shutdown
vlan 1
interface GigabitEthernet0/1/1
switchport access vlan 1
switchport trunk native vlan 1
switchport mode access
no shutdown
ip dhcp pool webui_int
dns-server 10.0.0.1
network 10.0.0.2 255.255.255.0
import all
default-router 10.0.0.1
lease 0 2

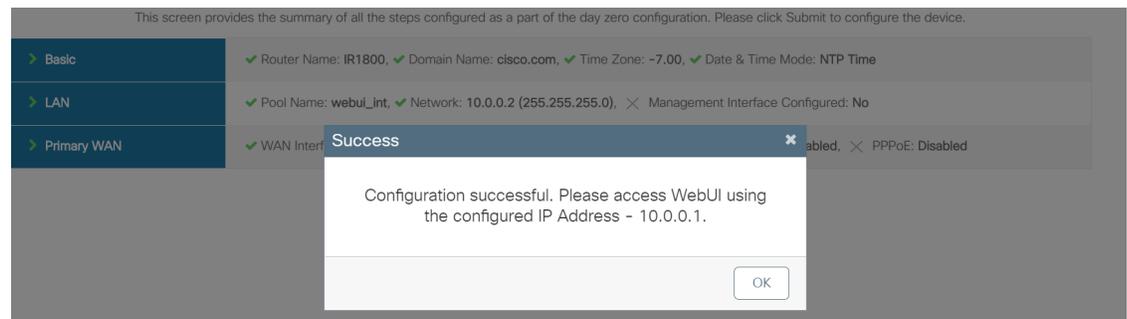
ip dhcp excluded-address 10.0.0.1

ip dns server

```

Step 9 After clicking on Submit, a dialog box will appear which informs you that the configuration has been applied successfully. The new WebUI ip address is also presented.

Figure 9: Submit Dialog Box



Step 10 If you have web connectivity, the device will try to connect. It is recommended that you close the browser session and move to the newly configured WebUI ip address.

Figure 10: Test VLAN Connection Screen

TEST WAN CONNECTION

