**Web Login and Management**

Student Version



Huawei Technologies Co., Ltd.

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# Web Login and Management

## Background

In addition to the command line interface (CLI), devices provide a graphical user interface (GUI) that is more intuitive and easy to understand for operation and maintenance (O&M). This facilitates device maintenance and use. Most network devices have a built-in web server. Terminals that can communicate with devices at Layer 3 can access the web server through a web browser. By default, the HTTP and HTTPS service are enabled on devices. For security purposes, you are advised to disable the HTTP service. This exercise describes how to log in to network devices through HTTPS and manage the devices.

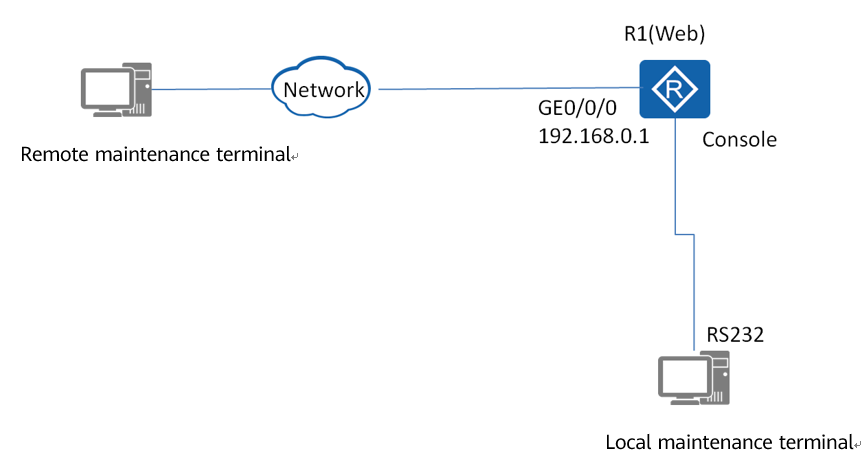
## Objectives

Upon completion of this exercise, you will be able to:

* Understand HTTP and HTTPS.
* Log in to the web system through HTTPS to manage devices.

## Topology

Lab Topology



Topology description:

1. In an exercise, the local and remote maintenance terminals can be the same PC.
2. For simplicity purposes, the device to be maintained and the remote maintenance terminal can be in the same network segment. In actual O&M, you can remotely log in to the device from the remote maintenance terminal through the Internet when the terminal can communicate with the device at Layer 3.

## Implementation

### Roadmap

1. Use the terminal emulation software to log in to the device through the console port of the device.
2. Configure the device name and an IPv4 address.
3. Create a user for web login in the AAA view.
4. Enable the web login service and set web login parameters.
5. Log in to the device through the client.

### Procedure

Use the terminal emulation software to log in to the device through the console port. For details, see "Console Login and Management".

Set the device name to **R1** and configure an IP address for GE0/0/0.

Create a user name **huawei** and password **huawei123** for web login, and set the user privilege level to **level 3**, and service type to **http**.

Enable the web server and set related parameters.

#Enable the HTTPS server.



When you enable the HTTPS server, the system may display a message indicating that no SSL policy is configured and the HTTPS service cannot be enabled. In this case, create an SSL policy and bind it to the HTTPS server, as shown in the following figure. Then, enable the HTTPS server again.

#Change the HTTPS server port number to 8443 (443 by default) and the HTTP port number to 8080 (80 by default).

#Configure the interface used to access the web system and set the timeout period to 15 minutes (10 minutes by default).

#Run the **display http server** command to check the HTTPS server status.

On the remote maintenance terminal, enter https://192.168.0.1:8443 in the address box of the browser. The web management platform is displayed, as shown in the following figure.

Web system login page



Enter the correct user name and password to log in to the web system, as shown in Figure 1-3. Run the **display http user** command on R1 to check information about online users who have logged in to the web system.

Home page after a successful login to the web platform

