

How to Install Webmin on Ubuntu 22.04

Learn how to install Webmin on Ubuntu 22.04 with our step-by-step guide. Simplify server management with this powerful web-based administration tool.

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Introduction

Webmin is an open-source server management tool that provides a web-based GUI for system administration on Linux. It offers core functionalities and supports additional modules to manage system tasks like user accounts, disk quotas, networking, and applications.

In this article, you are to install Webmin on an Ubuntu 22.04 server, providing a web-based control panel to manage and monitor system functionalities.

Prerequisites

Before you begin:

- Have an [Ubuntu 22.04 server](#).
- Create a new [subdomain](#) DNS record pointing to your server IP address. For example, `webmin.example.com`.
- Access the server using SSH as a non-root user with sudo privileges.
- [Update the server](#).

Install Webmin

Webmin is not available in the default Ubuntu 22.04 APT repositories. Follow the steps below to download the latest Webmin repository information and install the application on your server.

1. Download the latest Webmin repository script.

CONSOLE

```
$ curl -o setup-repos.sh https://raw.githubusercontent.com/webmin/webmin/master/setup-repos.sh
```

2. Run the script using Bash.

CONSOLE

```
$ sudo bash setup-repos.sh
```

3. Install Webmin with all recommended packages.

CONSOLE

```
$ sudo apt install --install-recommends webmin -y
```

4. View the Webmin system service and verify that it's running.

CONSOLE

```
$ sudo systemctl status webmin
```

Output:

```
● webmin.service - Webmin server daemon
   Loaded: loaded (/usr/lib/systemd/system/webmin.service; enabled; preset:
   enabled)
   Active: active (running) since Thu 2024-06-06 04:53:54 UTC; 43s ago
   Process: 5537 ExecStart=/usr/share/webmin/miniserv.pl /etc/webmin/
   miniserv.conf (code=exited, status=0/SUCCESS)
   Main PID: 5538 (miniserv.pl)
     Tasks: 1 (limit: 2269)
    Memory: 136.3M (peak: 219.0M)
       CPU: 7.408s
    CGroup: /system.slice/webmin.service
           └─5538 /usr/bin/perl /usr/share/webmin/miniserv.pl /etc/webmin/
   miniserv.conf
```

Secure Webmin

The Webmin control panel is accessible on port `10000` by default with HTTP. To secure Webmin, change the default port if needed and encrypt all connections

with HTTPS using trusted Let's Encrypt SSL certificates. Follow the steps below to generate and apply the certificates.

1. Allow the HTTP connections through the default firewall to enable Let's Encrypt validations.

CONSOLE

```
$ sudo ufw allow 80/tcp
```

2. Install the Certbot Let's Encrypt client application.

CONSOLE

```
$ sudo apt install certbot -y
```

3. Generate a new SSL certificate using your Webmin domain. Replace `webmin.example.com` with your actual domain and `webmin@example.com` with your email address.

CONSOLE

```
$ sudo certbot certonly --standalone -d webmin.example.com -m webmin@example.com --agree-tos
```

When the certificate request is successful, your output should look like the one below:

```
Saving debug log to /var/log/letsencrypt/letsencrypt.log
.....
Successfully received certificate.
Certificate is saved at: /etc/letsencrypt/live/webmin.example.com/fullchain.pem
Key is saved at: /etc/letsencrypt/live/webmin.example.com/privkey.pem
This certificate expires on 2025-07-04.
These files will be updated when the certificate renews.
Certbot has set up a scheduled task to automatically renew this certificate in
the background.
```

Based on the above output, Certbot saved the SSL certificate and private key files to the `/etc/letsencrypt/live/webmin.example.com/` directory.

4. Run the following command to merge the SSL certificate and private key into a single `.pem` file. For example, `webmin.pem`.

CONSOLE

```
$ sudo cat /etc/letsencrypt/live/webmin.example.com/  
fullchain.pem /etc/letsencrypt/live/webmin.example.com/  
privkey.pem > webmin.pem
```

Replace `webmin.example.com` with your actual domain.

5. Move the new certificate file to the Webmin configurations directory.

CONSOLE

```
$ sudo mv webmin.pem /etc/webmin/
```

6. Open the main Webmin configuration file using a text editor such as Nano.

CONSOLE

```
$ sudo nano /etc/webmin/miniserv.conf
```

7. Find and replace the `keyfile` value with your SSL certificate file location.

INI

```
keyfile=/etc/webmin/webmin.pem
```

8. Restart Webmin to apply the new SSL configuration changes.

CONSOLE

```
$ sudo systemctl restart webmin
```

Set Up Firewall Rules

UFW is active by default on Ubuntu 22.04. Follow the steps in this section to configure the firewall to allow connections to the Webmin interface on port `10000` and enable HTTPS connections.

1. Allow the Webmin port `10000`.

CONSOLE

```
$ sudo ufw allow 10000
```

2. Allow the HTTPS network connections.

CONSOLE

```
$ sudo ufw allow https
```

3. Deny insecure HTTP connections on the server.

CONSOLE

```
$ sudo ufw deny http
```

4. Reload UFW to apply the firewall changes.

CONSOLE

```
$ sudo ufw reload
```

5. View the UFW status to verify all available connection rules.

CONSOLE

```
$ sudo ufw status
```

Your output should look like the one below.

```
Status: active

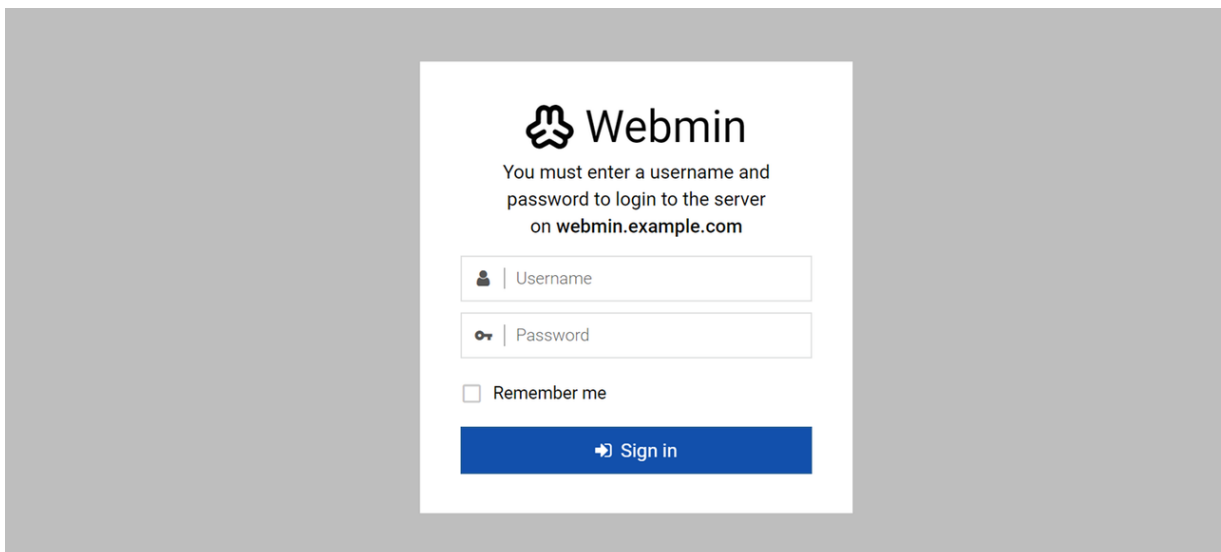
To          Action      From
--          -
22/tcp      ALLOW       Anywhere
10000       ALLOW       Anywhere
443         ALLOW       Anywhere
22/tcp (v6) ALLOW       Anywhere (v6)
10000 (v6)  ALLOW       Anywhere (v6)
443 (v6)   ALLOW       Anywhere (v6)
```

Access Webmin

1. Access your Webmin domain on port `10000` using a web browser such as Chrome.

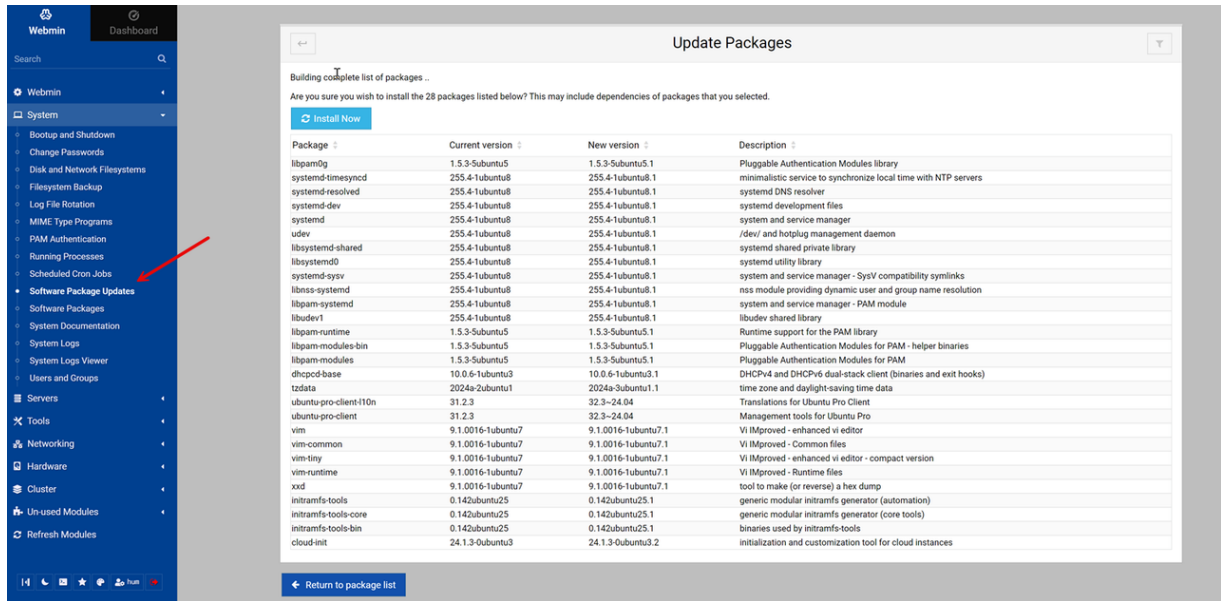
```
https://webmin.example.com:10000
```

2. Enter your sudo user account details and click **Sign In** to log in and access the Webmin control panel.

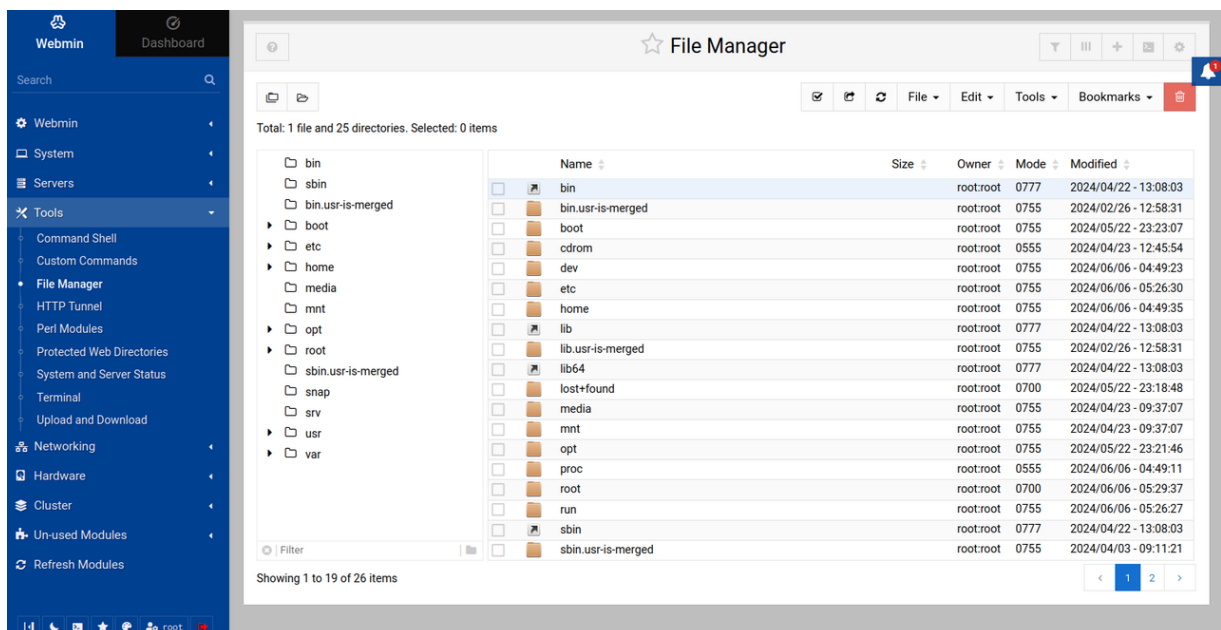


All users with login privileges can access Webmin, but only sudo users can perform administrative tasks.

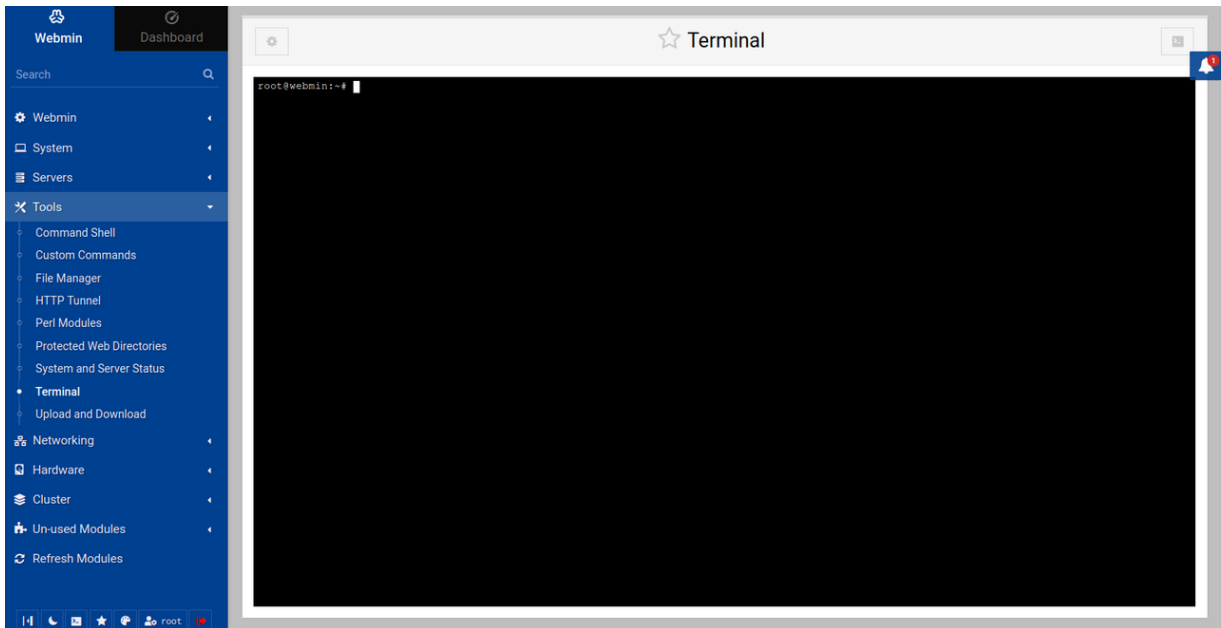
3. Verify server system info (CPU, memory, disk space, processes) in the Webmin dashboard.
4. Navigate to **System > Software Package Updates** to check for packages needing updates.
5. Review and select packages for updates, then click **Update Selected Packages**.



6. Click **Install Now** to update the selected packages on your server.
7. Click **Tools** and select **File Manager** to manage files on your server.



8. Navigate to **Tools** and select **Terminal** to open a new terminal shell on your server.



Conclusion

You have installed Webmin on your Ubuntu 22.04 server, secured the control panel with trusted SSL certificates, and accessed it to perform basic server administration tasks. The control panel allows you to keep your server packages up to date, manage the filesystem, and handle other system components such as users and processes. For more information and configuration options, please visit the [Webmin documentation](#).



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