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How to Install Webmin on Debian 11

There is a new version of this tutorial available for [Debian 12 \(Bookworm\)](#).

How to Install Webmin on Debian 11

Managing and administering Linux servers from the command line is very difficult for any beginner Linux user. In this case, you can use Webmin to manage your Linux server from the web-based interface. Webmin is a free and open-source application platform that provides a graphical user interface to manage and control the Linux server. Using Webmin, you can create user accounts, set up Apache, DNS, and FTP server, share files, configure firewalls, and more.

In this article, I will show you how to install Webmin Linux admin panel on Debian 11.

This tutorial exists for these OS versions

- [Debian 12 \(Bookworm\)](#)
- **Debian 11 (Bullseye)**

On this page

- [Prerequisites](#)
- [Getting Started](#)
- [Install Webmin](#)
- [Manage Webmin Service](#)
- [Configure Firewall for Webmin](#)
- [How to Use Webmin](#)
- [Remove Webmin](#)
- [Conclusion](#)



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Prerequisites

- A server running Debian 11.
- A root password is configured on the server.

Getting Started

Before starting, it is recommended to update your system's package cache to the latest version. You can update it using the following command:

```
apt-get update -y
```

After updating the package cache, install other required dependencies using the following command:

```
apt-get install gnupg2 curl -y
```

Once all the required dependencies are installed, you can proceed to the next step.

Install Webmin

By default, the Webmin package is not included in the Debian 11 default repository. So you will need to add the Webmin repository to the APT.

First, download and add the GPG key with the following command:

```
wget -qO - http://www.webmin.com/jcameron-key.asc | gpg --dearmor >
```

Next, add the Webmin repository to the APT using the following command:

```
sh -c 'echo "deb http://download.webmin.com/download/repository sarg  
e contrib" > /etc/apt/sources.list.d/webmin.list'
```

Once the repository is added, update the repository and install the Webmin with the following command:

```
apt-get update -y  
apt-get install webmin -y
```

Once the Webmin is installed, you can proceed to the next step.



Manage Webmin Service

You can start, stop, restart and check the status of the Webmin easily from the init service.

To start the Webmin service, run the following command:

```
service webmin start
```

To restart the Webmin service, run the following command:

To stop the Webmin service, run the following command:

```
service webmin stop
```

To check the status of the Webmin service, run the following command:



```
service webmin status
```

By default, Webmin listens on port 100000. You can check it using the following command:

```
ss -antpl | grep 10000
```

You should see the following output:

```
LISTEN 0      4096      0.0.0.0:10000  0.0.0.0:*    users:(("miniserv.pl",pid=4073,fd=5))
```

Configure Firewall for Webmin

It is also recommended to secure your server with a UFW firewall. To do so, install the UFW firewall with the following command:

Once the UFW firewall is installed, allow ports **22** and **10000** with the following command:

```
ufw allow 22
ufw allow 10000
```

Next, enable the UFW firewall using the command below:

```
ufw enable
```

Next, verify the firewall with the following command:

```
ufw status
```

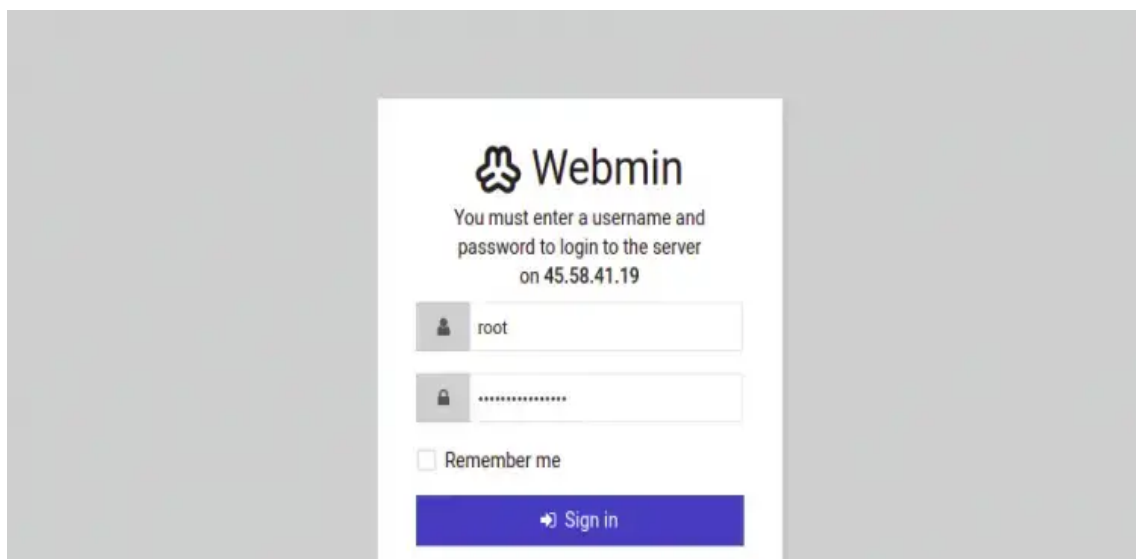
You should get the following output:

```
Status: active
```

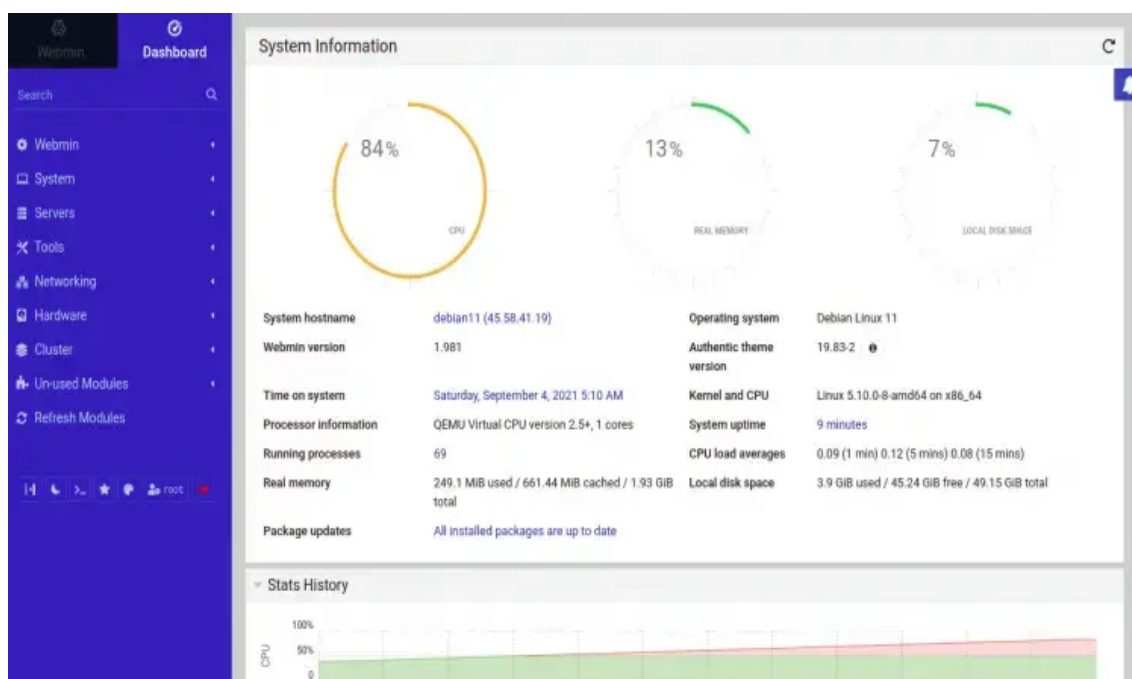
To	Action	From
--	-----	----
22	ALLOW	Anywhere
10000	ALLOW	Anywhere
22 (v6)	ALLOW	Anywhere (v6)
10000 (v6)	ALLOW	Anywhere (v6)

How to Use Webmin

At this point, Webmin is installed. You can now access it using the URL **http://your-server-ip:10000**. You will be redirected to the Webmin login page:



Provide your root username, password and click on the **Sign in** button. You should see the Webmin dashboard on the following page:



In the left pane, click on the **Tools => Command Shell**. You should see the Linux terminal on the following page:

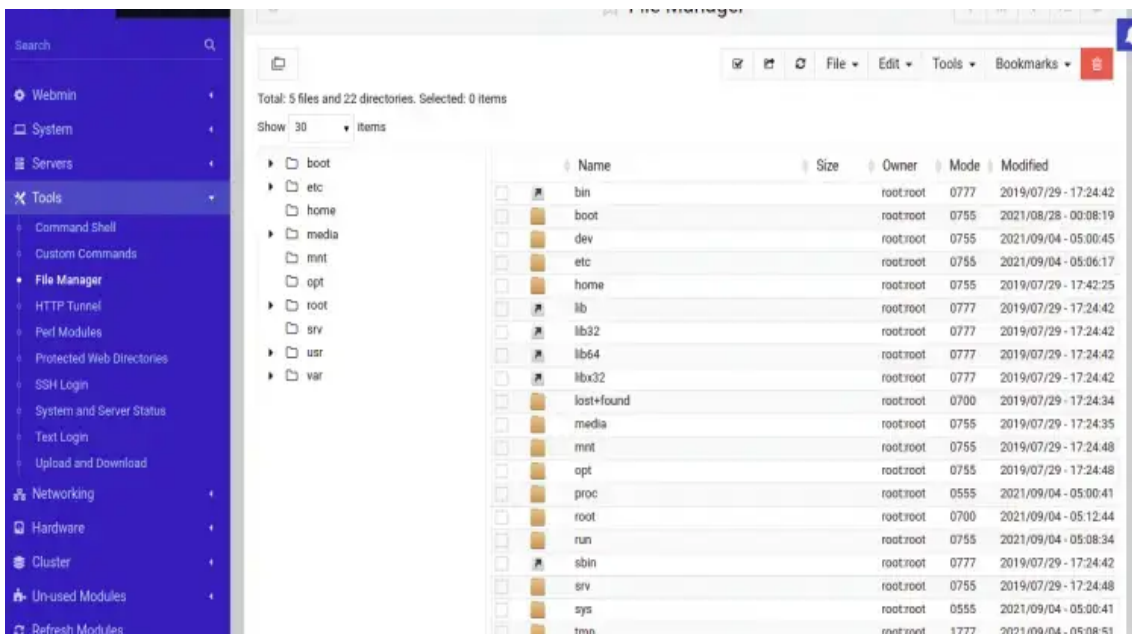
The screenshot shows the Webmin Command Shell interface. The left sidebar is expanded to show 'Tools' and 'Command Shell'. The main area displays a terminal window with the following output of the 'df -h' command:

```
> df -h
Filesystem      Size  Used Avail Use% Mounted on
udev            976M   0 976M   0% /dev
tmpfs           199M  384K 198M   1% /run
/dev/sda1       59G   1.8G  46G   4% /
tmpfs           992M   0 992M   0% /dev/shm
tmpfs           5.0M   0  5.0M   0% /run/lock
tmpfs           199M   0  199M   0% /run/user/0
```

Below the terminal, there is a text input field for entering a shell command, an 'Execute command' button, and options to 'Execute previous command', 'df -h', and 'Edit previous'. There are also 'Clear history' and 'Clear commands' buttons.

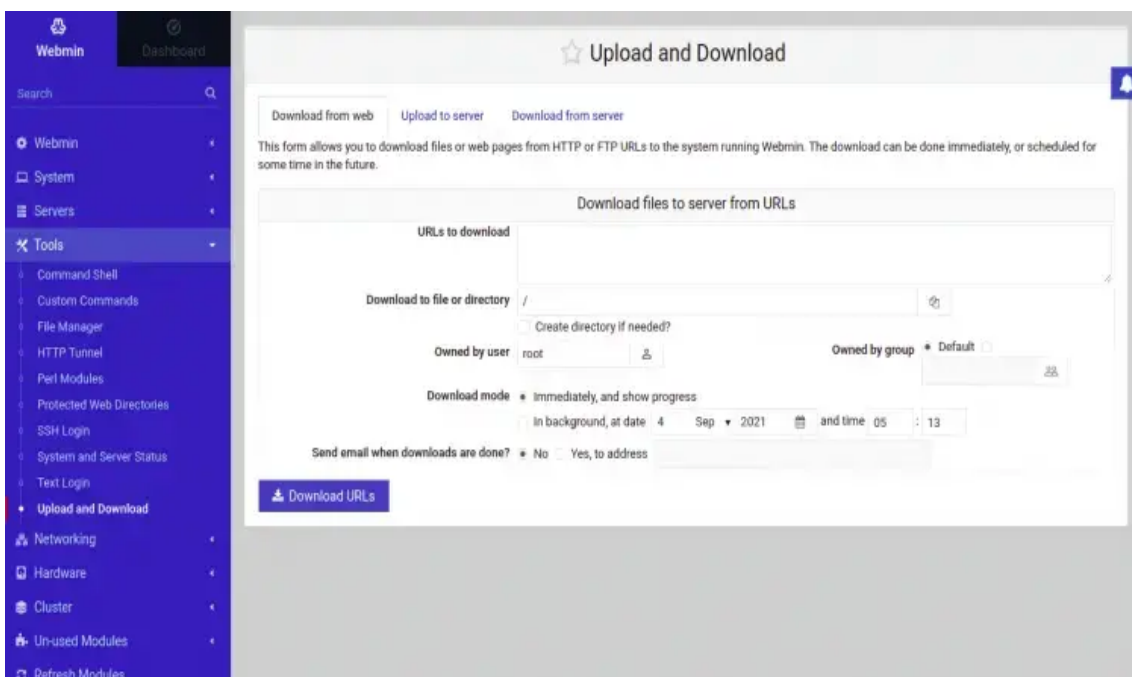
From here, you can run any command to your Linux server.

Click on the **Tools => File Manager**. You should see the File Manager on the following



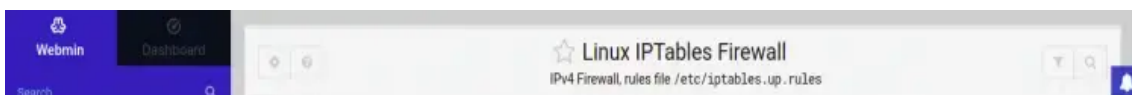
From here, you can create a file, directory, and manage the entire file system.

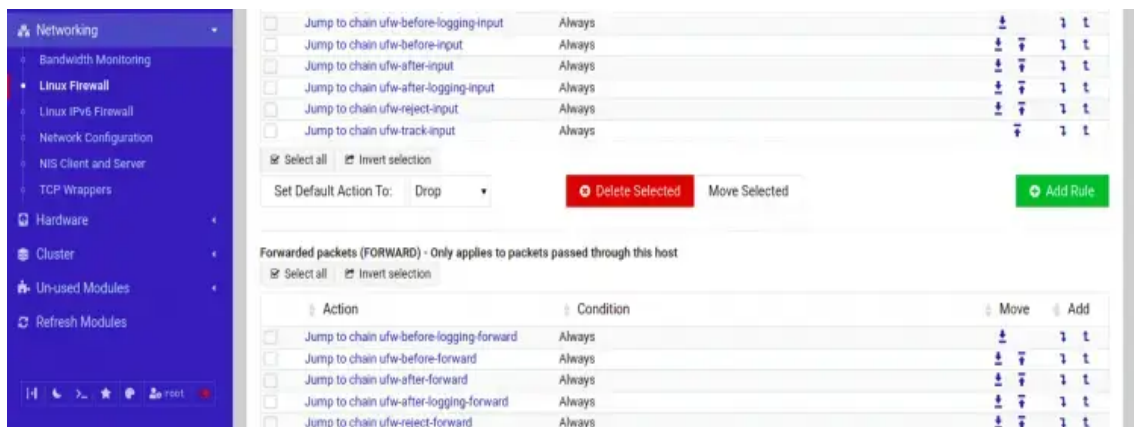
Click on the **Tools => Upload and Download**. You should see the following page:



From here, you can upload and download any file to and from the server.

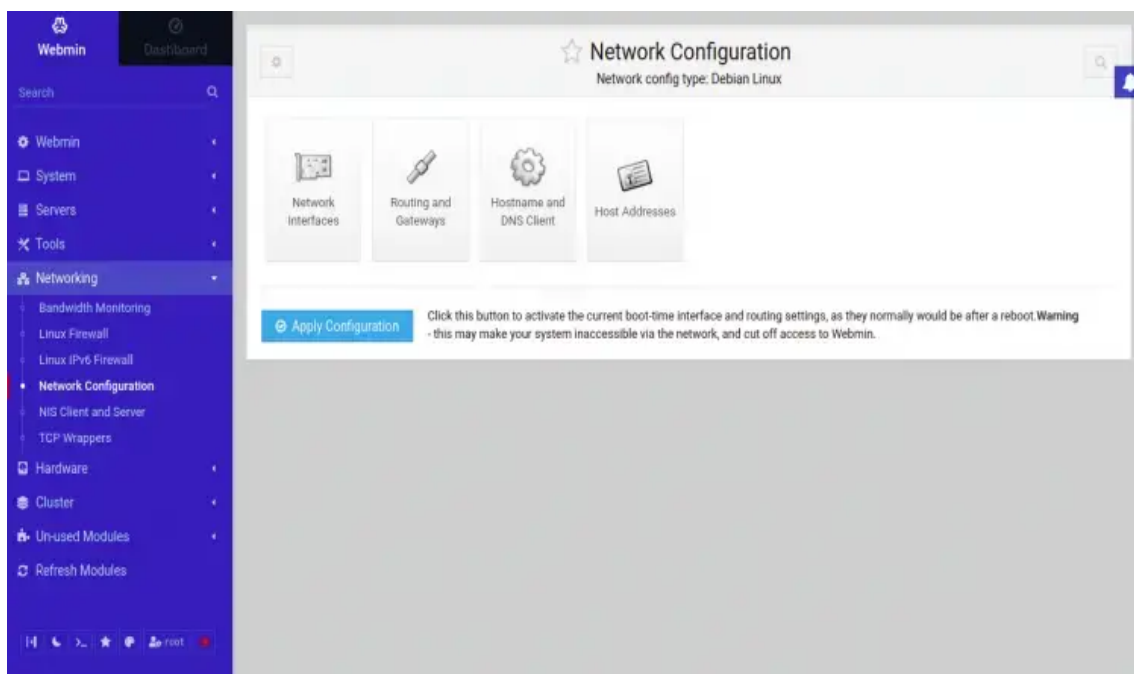
Click on the **Networking => Linux Firewall**. You should see the firewall interface on the following page:





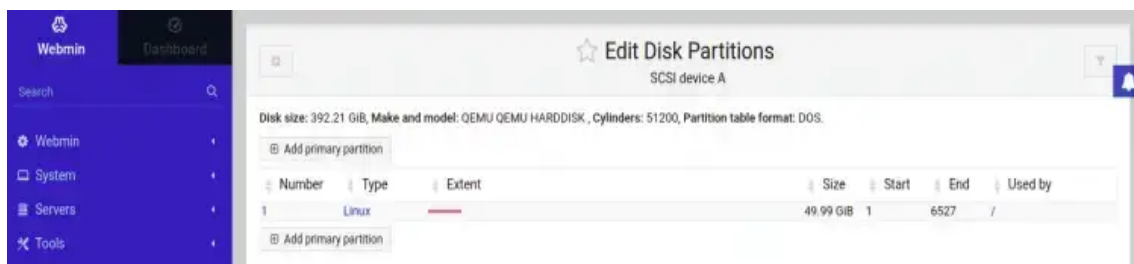
From here, you can open and close the specific ports for remote users.

Click on the **Networking** => **Network Configuration**. You should see the network configuration wizard:



From here, you can set up a static IP address, default gateway, hostname, and DNS.

Click on the **Hardware** => **Partitions** and Local Disks. You should see the Partition Manager on the following page:





From here, you can create and edit your hard disk partitions.

Remove Webmin

If you don't want Webmin then you can remove it using the following command:

```
apt-get remove webmin
```

Next, run the following command to clean the package cache and remove unwanted packages from your system.

```
apt-get autoremove -y  
apt-get clean
```

Conclusion

Congratulations! you have successfully installed Webmin on Debian 11. I hope Webmin will help you to manage and control your Linux server from the web browser. Feel free to ask me if you have any questions.



About Hitesh Jethva

Over 8 years of experience as a Linux system administrator. My skills include a depth knowledge of Redhat/Centos, Ubuntu Nginx and Apache, Mysql, Subversion, Linux, Ubuntu, web hosting, web server, Squid proxy, NFS, FTP, DNS, Samba, LDAP, OpenVPN, Haproxy, Amazon web services, WHMCS, OpenStack Cloud, Postfix Mail Server, Security etc.

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