

How to Install Webmin on Debian 12

Managing and administering Linux servers from the command line is difficult for beginner Linux users. 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 with a graphical user interface to manage and control the Linux server. Using Webmin, you can create user accounts, set up Apache, DNS, and FTP servers, share files, configure firewalls, and more.

In this article, I will show you how to install the Webmin Linux admin panel on Debian 12.

This tutorial exists for these OS versions

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

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Prerequisites

- A server running Debian 12.
- A root password is configured on the server.

Getting Started

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

```
apt update -y
```

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

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

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

Install Webmin

The Webmin package is not included in the Debian 12 default repository by default. So, you will need to add the Webmin repository to the APT.

First, download and add the GPG key and add the Webmin repository with the following commands:

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

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

```
apt update -y
apt install webmin --install-recommends -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:

```
service webmin restart
```

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 10000. 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: (("mi  
niserv.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:

```
apt install ufw -y
```

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
```

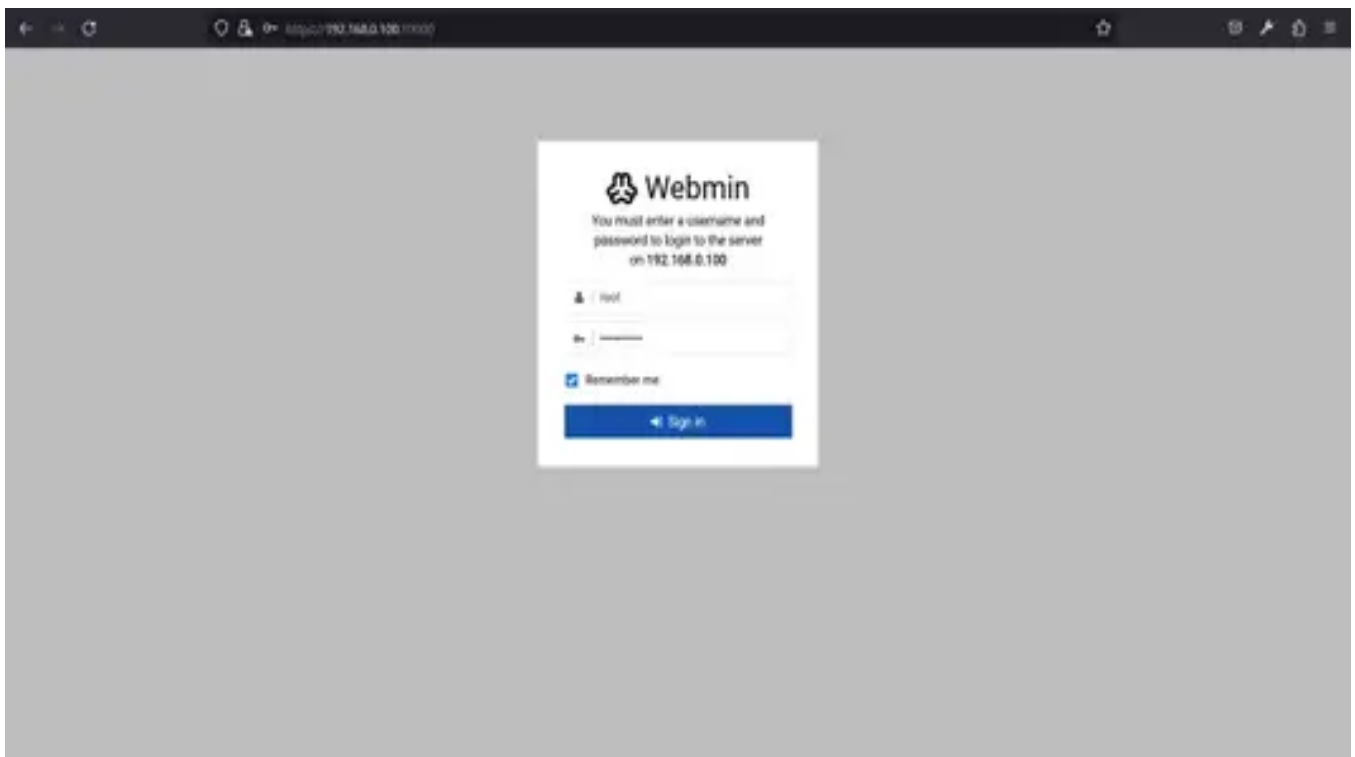
You should get the following output:

```
Status: active
```

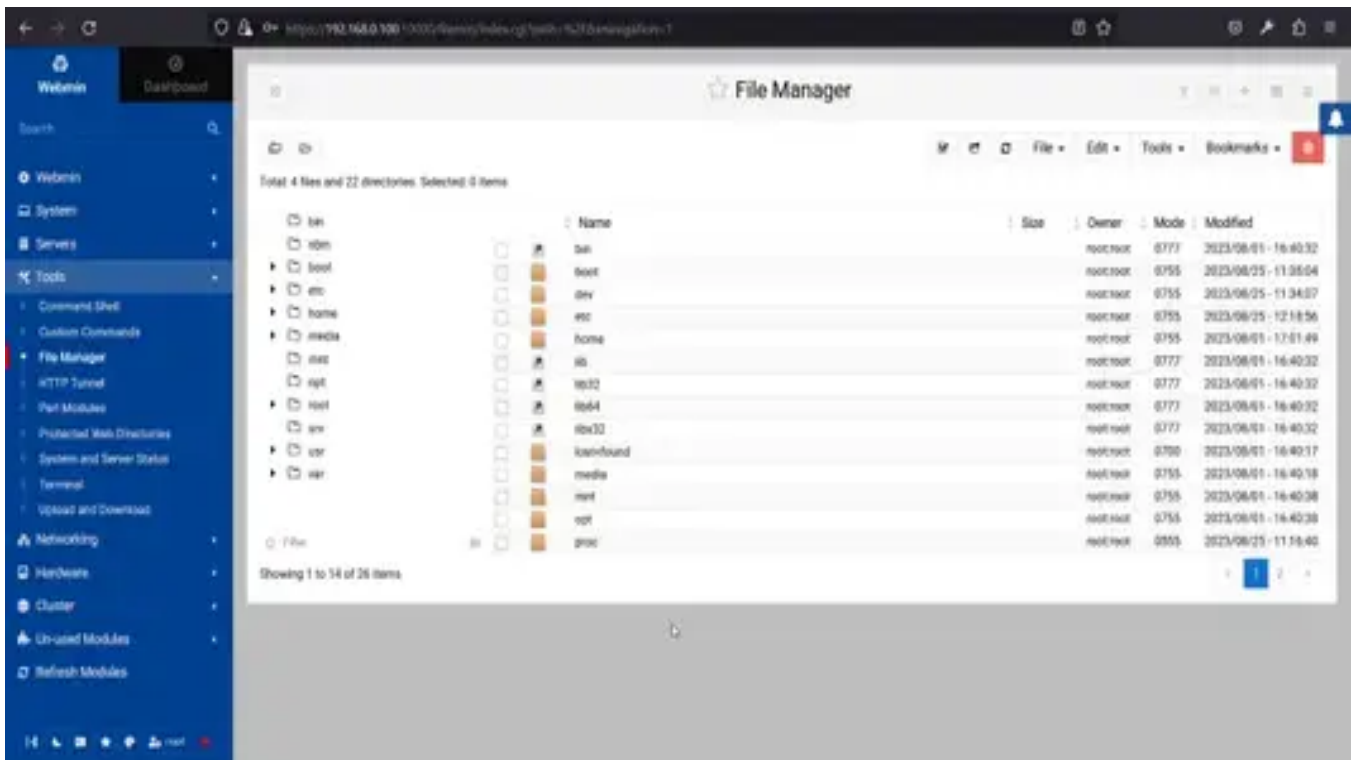
To	Action	From
--	-----	----
22	ALLOW	Anywhere
10000	ALLOW	Anywhere
22 (v6)	ALLOW	Anywhere (v6)
10000 (v6)	ALLOW	Anywhere (v6)

How to Use Webmin

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

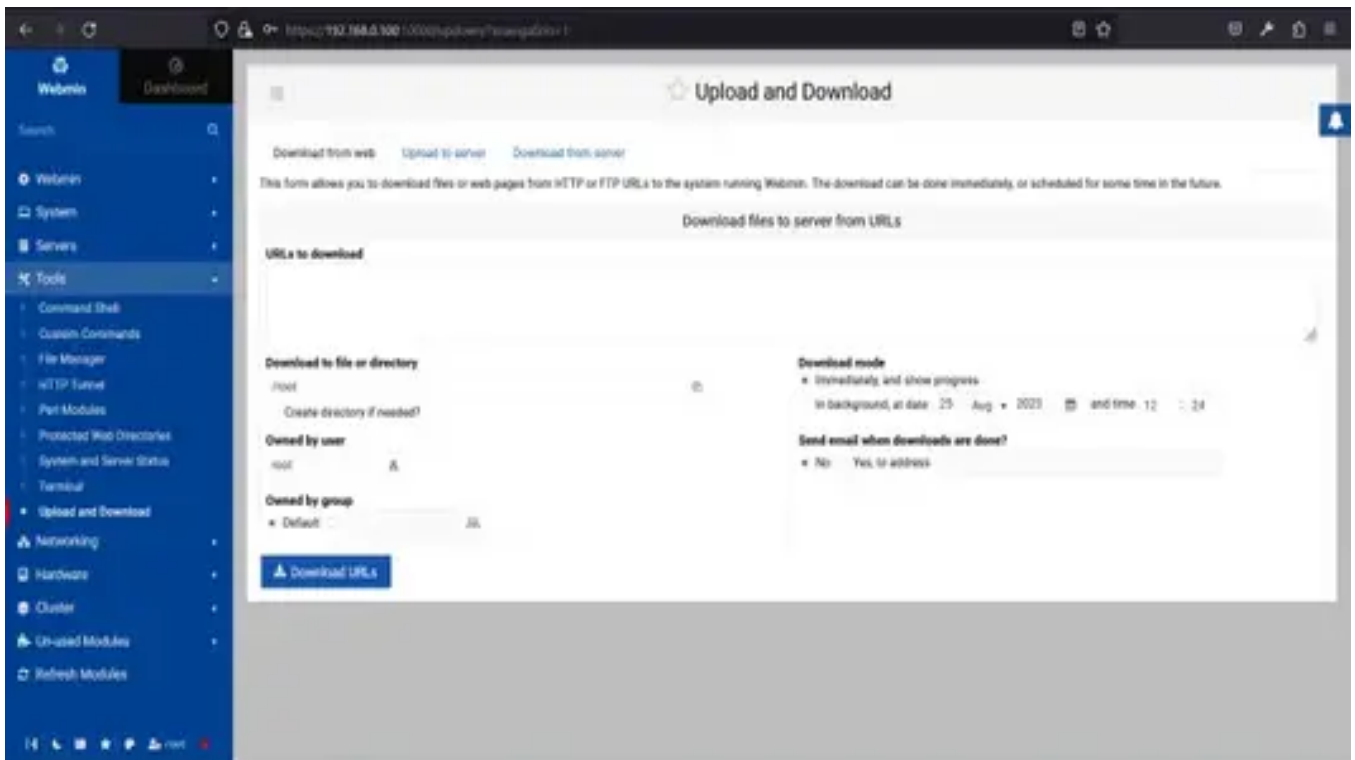


Provide your root username, password and click on the **Sign in** button. You should see the Webmin dashboard on the following page:



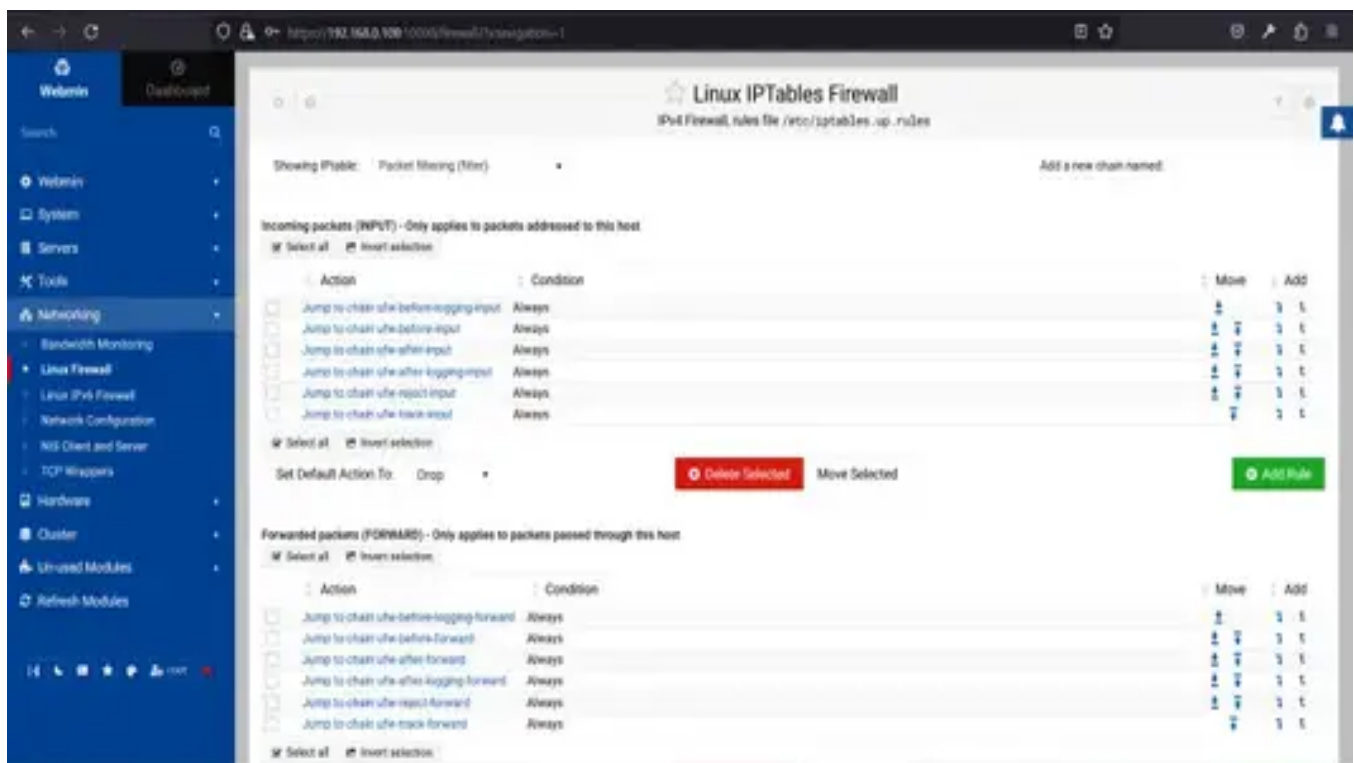
From here, you can create a file, directory, and manage the entire file system.

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



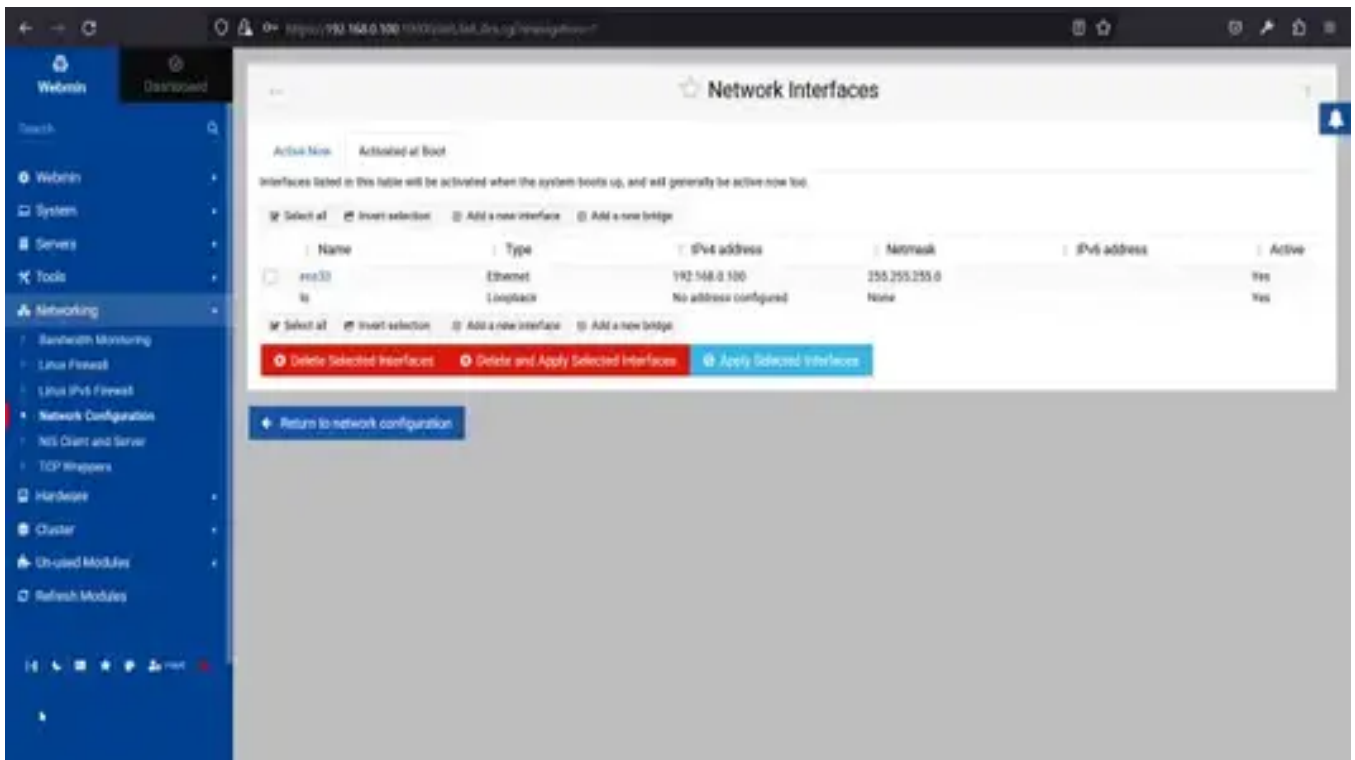
From here, you can upload and download any file to and from the server.

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



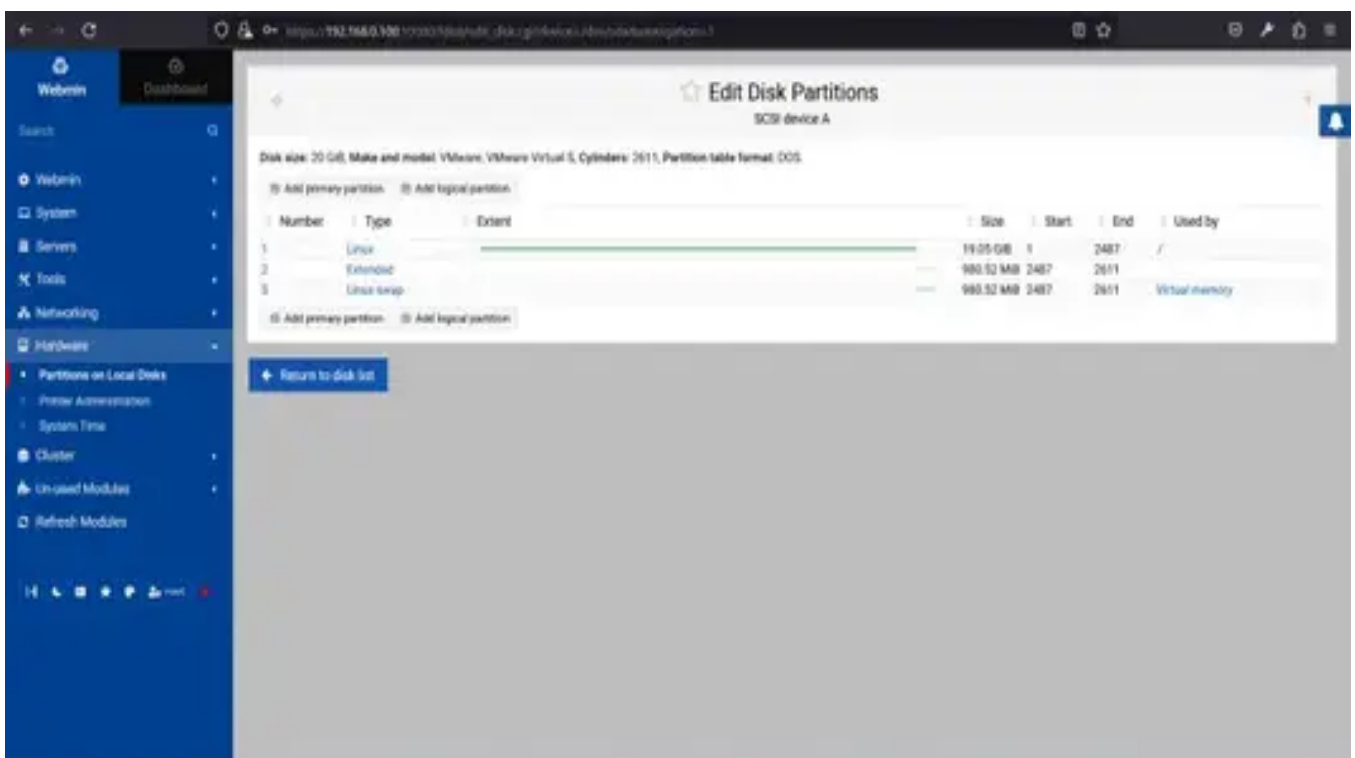
From here, you can open and close the specific ports for remote users.

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



You can set up a static IP address, default gateway, hostname, and DNS from here.

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 remove webmin
```

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

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

Virtual Machine Image Download of this Tutorial

This tutorial is available as ready to-use virtual machine image in ovf/ova format that is compatible with VMWare and Virtualbox. The virtual machine image uses the following login details:

SSH / Shell Login

Username: administrator
Password: howtoforge

Username: root
Password: howtoforge

Webmin Login

Username: root
Password: howtoforge

The IP of the VM is 192.168.0.100. It can be changed in the file /etc/network/interfaces. Please change all the above passwords to secure the virtual machine.

Conclusion

Congratulations! you have successfully installed Webmin on Debian 12. 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.

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