|) H | | Forge | | | | Search | | |
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| Tutorial sea | arch | | | | | | | |
| ne Ho | w to Install | Webmin on D | ebian 11 |) | | | | |
| Ther | e is a ne | w version o | f this tutor | ial available | for <u>Debian 1</u> | <u>2 (Bookworm)</u> . | | |
| How | r to In | istall W | /ebmi | n on De | ebian 1 ⁻ | 1 | | |
| Managing and administering Linux servers from the command line is very difficult for any beginner Linux user. In | | This tuto | rial exists fo | r these OS versior | IS | | | |
| | | • <u>Debia</u> | n 12 (Bookw | <u>vorm)</u> | | | | |
| this of the thick the | case, you anage vo | can use W ur Linux se | ebmin rver | • Deblan IT (Builseye) On this page | | | | |
| 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. | face. en- m that Using user , are and | Prere Gettir Install Mana Config How t Remo Concl | <u>quisites</u> <u>g Started</u> <u>Webmin</u> ge Webmin S gure Firewall o Use Webmin we Webmin usion | <u>Service</u> for Webmin hin | | | | |
| In thi | s article, | I will show | you how t | o install Web | omin Linux ad | dmin panel on Debia | an 11. | |
| | | | | | | | | |
| | | | | | 01° 0 | Vezi co | taloaul complet | |
| | | | | | | Răutură Donoi | 251 | |



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 -q0 - 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 | Wehmin servic | e run the | following | command. |
|-------------|---------------|-----------|-----------|----------|
| | | , iun uie | lonowing | command. |

service webmin stop

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

| | JUST \$1 A MONTH GIVES LIBRARY | ACCESS TO A STUDENT FOR | |
|--------------|--------------------------------|-------------------------|-------------|
| | AN ENTIRE | EYEAR | Was Sereck |
| VILLAGE BOOK | DONA | ITE CONTRACTOR | A REAL COME |

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 0.0.0.10000 0.0.0.0:* users:(("m iniserv.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 | | |
|----------------|--------|---------------|
| То | 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-serverip:10000. You will be redirected to the Webmin login page:

| You must enter a username and password to login to the server on 45.58.41.19 | |
|--|--|
| a root | |
| Remember me | |

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

| | 100 | ~ | - | - |
|-------------------|-----------------------|---|----------------------------|---|
| Vebmin + | / 84% | 13% | | 7% |
| ystem + | | | | |
| Servers + | | | | |
| Foots + | | CPU | REAL MEMORY | LOCAL DISK SPACE |
| Networking + | | | | |
| Hardware • | System hostname | debian11 (45.58.41.19) | Operating system | Debian Linux 11 |
| Cluster • | Webmin version | 1.981 | Authentic theme version | 19.83-2 e |
| Un-used Modules • | Time on system | Saturday, September 4, 2021 5:10 AM | Kernel and CPU | Linux 5.10.0-8-amd64 on x86_64 |
| Refresh Modules | Processor information | QEMU Virtual CPU version 2.5+, 1 cores | System uptime | 9 minutes |
| | Running processes | 69 | CPU load averages | 0.09 (1 min) 0.12 (5 mins) 0.08 (15 mins) |
| 🌜 >_ 🗶 🗣 🍰 root 🗰 | Real memory | 249.1 MiB used / 661.44 MiB cached / 1.93 GiB total | Local disk space | 3.9 GIB used / 45.24 GIB free / 49.15 GIB total |
| | Package updates | All installed packages are up to date | | |
| | · Stats History | | | |

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

| 🖏 Webmin | () Dashboard | Command Shell | 2 |
|---------------------------------|-----------------|---|----------------|
| | | | 4 |
| • Webmin | | > df -h Filesystem Size Used Avail Use's Mounted on udev 976M 0 976M 0% /dev tenf- 100M 384K 168M 1% /cm | |
| System | | /dev/sda1 590 1.86 466 4% / | |
| Servers | | Cmprs 992M 0 992M 0 992M m / / / / / / / / / / / / / / / / / / | |
| * Tools | | tmpfs 199N 0 199N 0% /run/user/0 | |
| • Command | Shell | | |
| Custom Co | mmands | Enter a shell command to execute in the text field below. The cd command may be used to change directory for subsequent commands. | |
| File Manag | er | Execute command: | Clear history |
| HTTP Tunn | ei | Execute previous command df -h • Edit previous | Clear commands |
| Perl Modul | 25 | | |
| Protected \ | Veb Directories | | |
| SSH Login | | | |
| System and | i Server Status | | |
| • Text Login | | | |
| Upload and | Download | | |
| A Networking | | | |
| G Hardware | | | |
| Cluster | | | |
| 👍 Un-used M | odules + | | |
| C Refresh Mo | dules | | |

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

Click on the Tools --> File Manager Vou should see the File Manager on the following

| | | | | in the manage | | | | | 10 10 10-1 m |
|--|---------------|-----------------------|-------------------|---------------|-------|--------|-----------|---------|----------------------|
| | ۹ 🕞 | | | | ø | File • | Edit + | Tools . | Bookmarks • |
| • Webmin | Total: 5 file | s and 22 directories. | Selected: 0 items | | | | | | |
| 🗆 System | 4 Show 30 | • items | | | | | | | |
| E Servers | | oot | | Name | | Size | Owner | Mode | Modified |
| X Tools | • C e | to | | bin | | | rootroot | 0777 | 2019/07/29 - 17:24:4 |
| Command Shall | C h | ome | | boot | | | root.root | 0755 | 2021/08/28 - 00:08:1 |
| • Command Snell | • 🗅 🗉 | nedia | | dev | | | rootroot | 0755 | 2021/09/04 - 05:00:4 |
| Custom Commands | C) m | nnt | | etc | | | root.root | 0755 | 2021/09/04 - 05:06:1 |
| File Manager | 0.0 | pt | | home | | | rootroot | 0755 | 2019/07/29 - 17:42:2 |
| HTTP Tunnel | • D K | Joot | | lib | | | rootroot | 0777 | 2019/07/29 - 17:24: |
| Perl Modules | Dis | nv. | | 1b32 | | | rootroot | 0777 | 2019/07/29 - 17:24:4 |
| Protected Web Directories | • D u | sr | | lib64 | | | rootroot | 0777 | 2019/07/29 - 17:24:4 |
| | • 🗅 v | ar | | libx32 | | | rootroot | 0777 | 2019/07/29 - 17:24:4 |
| Control Control Control | | | | lost+found | | | rootroot | 0700 | 2019/07/29 - 17:24:3 |
| System and Server Status | | | | media | | | rootroot | 0755 | 2019/07/29 - 17:24:3 |
| Text Login | | | | mot | | | root.root | 0755 | 2019/07/29 - 17:24:4 |
| Upload and Download | | | | opt | | | rootroot | 0755 | 2019/07/29 - 17:24:4 |
| Networking | 1 A. | | | proc | | | rootroot | 0555 | 2021/09/04 - 05:00:4 |
| | | | | root | | | rootroot | 0700 | 2021/09/04 - 05:12:4 |
| a Hardware | | | | run | | | restroot | 0755 | 2021/09/04 - 05:08:3 |
| Cluster | 1.0 | | | sbin | | | root:root | 0777 | 2019/07/29 - 17:24:4 |
| | | | | srv. | | | rootroot | 0755 | 2019/07/29 - 17:24:4 |
| B+ Un-used Modules | | | | sys | | | rootroot | 0555 | 2021/09/04 - 05:00:4 |
| C Refresh Modules | | | | tmp | | | rootroot | 1777 | 2021/09/04 - 05:08:5 |

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:

| යු Webmin | Ø Døshboard | | 🖕 Upload and Download | | |
|-------------------------------------|----------------|--|--|-------------------|----------------------------|
| Search | <u>م</u> بر | Download from web Upload to server This form allows you to download files or web page | Download from server es from HTTP or FTP URLs to the system running Webmin. The downlo | ad can be done im | mediately, or scheduled fo |
| 🖽 System | κ. | some time in the future. | | | |
| E Servers | | | Download files to server from URLs | | |
| * Tools | | URLs to download | | | |
| Command Shell | | | | | |
| Custom Comman | xls | Download to file or directory | 1 | 2 | |
| File Manager | | | Create directory if needed? | | |
| HTTP Tunnel | | Owned by user | root & Owned | by group * Defa | uit 🗋 |
| Perl Modules | | Download mode | a tempedately and show reserves | | 28 |
| Protected Web D | rectories | Download mode | Intractatery, and show progress In background at date 4 Sep ▼ 2021 | 05 : 13 | |
| SSH Login | | Sand amail when downloads are done? | The Vector address | | |
| System and Serv | er Status | Jund enter When cowinouss are coner | • NU res, to audress | | |
| Ining and Daws | head | 📥 Download URLs | | | |
| Alaboration | | | | | |
| as iverworking | | | | | |
| Hardware | | | | | |
| Cluster | | | | | |
| 🖦 Un-used Module | a) (4 | | | | |
| C Refresh Modules | | | | | |

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:

| ැ Webmin | Ø Døshboard | 0 0 | 습 Linux IPTables Firewall | TQ |
|-------------|----------------|-----|--|----|
| Search | à | | IPv4 Firewall, rules file /etc/iptables.up.rules | |

| a Alabaration | Jump to chain ufw-before-logging-input | Always | 4 1 | t |
|--|---|--|---|---------------|
| A networking - | Jump to chain ufw-before-input | Always | 2 7 1 | t |
| Bandwidth Monitoring | Jump to chain ufw-after-input | Always | 273 | t |
| Linux Firewall | Jump to chain ufw-after-logging-input | Always | ± 7 1 | t |
| Linux IPv6 Firewall | Jump to chain ufw-reject-input | Always | 27.3 | t |
| Network Configuration | Jump to chain ufw-track-input | Always | Ŧ 1 | t |
| NIS Client and Server | 🗟 Select all 🖄 Invert selection | | | |
| TCP Wrappers | Set Default Action To: Drop • | O Delete Selected Move Selected | O Add | Rule. |
| | | | | |
| Hardware | | | _ | |
| © Hardware • € Cluster • | Forwarded packets (FORWARD) - Only applies to pack | kets passed through this host | | |
| Hardware Cluster Hardware | Forwarded packets (FORWARD) - Only applies to pack B Select all B Invert selection | kets passed through this host | | |
| Hardware Hardware Cluster Hun-used Modules Cluster | Forwarded packets (FORWARD) - Only applies to pack Select all E Invert selection Action | kets passed through this host | ⊜ Move ⊜ / | Add |
| Hardware Hardware Cruster Housed Modules Refresh Modules | Forwarded packets (FORWARD) - Only applies to pack B Select all B Invert selection Action Jump to chain ufw before-logging-forward | kets passed through this host Condition Always | e Move 🔰 | Add t |
| Hardware Hardware Instein Un-used Modules Refresh Modules | Forwarded packets (FORWARD) - Only applies to pack P Select all 121 Intert selection Action Jump to chain ufw-before-logging-forward Jump to chain ufw-before-forward | kets passed through this host Condition Always Always | () Move () / ± 3 ± ∓ 3 | Add t |
| Hardware Hardware Cluster Hun-used Modules Refresh Modules | Forwarded packets (FORWARD) - Only applies to pack Select all I I Invest selection Action Jump to chain ufw-before-forgging-forward Jump to chain ufw-before-forward Jump to chain ufw-after-forward | kets passed through this host Condition Always Always Always | € Move ↓ 1 ≜ ∓ 1 ≜ ∓ 1 | Add t t |
| Hardware Hardware Iun-used Modules Refresh Modules | Forwarded packets (FORWARD) - Only applies to pack Select all II Invert selection Action Jump to chain ufw-before-logging-forward Jump to chain ufw-sfter-forward Jump to chain ufw-sfter-forward | kets passed through this host Condition Always Always Always Always | Move ↓ 1 ± 1 ± 7 1 ± 7 1 ± 7 1 ± 7 1 | Add t t |

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:

| 4 | | |
|------------------|-------------|---|
| Webmin | | Network Configuration |
| Search | | Network config type: Debian Linux |
| Webmin | | |
| 🖾 System | | |
| Servers | | Network Routing and Hostname and Interfaces Gateways DNS Client Host Addresses |
| * Tools | | |
| & Networking | | |
| Bandwidth Mon | itoring | Apply Configuration Click this button to activate the current boot-time interface and routing settings, as they normally would be after a reboot. Warning - this may make your system inaccessible via the network, and cut off access to Webmin. |
| Network Config | uration | |
| NIS Client and S | erver | |
| TCP Wrappers | | |
| Hardware | | |
| Cluster | 3 | |
| 📩 Un-used Module | es (| |
| 2 Refresh Module | | |
| H & 5. # | e Lo root 😐 | |

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:

| (A) Webmin | Ø Dashboard | 0 | | | 🚖 Edit Disk Partitions | | | | | T |
|---------------|----------------|-----------------|--------------------------------|-----------------------|--|-----------|-------|------|---------|---|
| Search | à, | | | | SCSI device A | | | | | |
| Ø Webmin | | Disk size: 392. | 21 GiB, Make a ry partition | nd model: QEMU QEMU H | IARDDISK , Cylinders: 51200, Partition table forma | et: DOS. | | | | |
| System | * | Number | Type | Extent | | Size | Start | End | Used by | |
| E Servers | 2. | 1 | Linux | _ | | 49.99 GIB | 1 | 6527 | 7 | |
| * Tools | ж. Эк. | Add prima | ry partition | | | | | | | |



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