

Webmin

Webmin from <https://webmin.com/>

- installed onto host system via 3rd party apt repository
- installs and auto-configured for start at boot-time
- OOB installation listens on all interfaces https://<ip>:10000
 - post install modify the /etc/webmin./miniserv.conf
 - we will only listen on internally accessible networks
 - we will disable SSL
 - we will reverse proxy via nginx proxy manager https to http:10000

```
Notable changes for /etc/webmin/miniserv.conf
```

```
port=10000
sockets=172.22.20.1:*
ssl=0
no_ssl2=1
bind=172.22.22.1
ipv6=0
no_tls1_1=1
webprefixnoredir=1
no_tls1=1
no_ssl3=1
```

Installation Steps

1. install webmin repo

```
wget -O - https://raw.githubusercontent.com/webmin/webmin/master/webmin-setup-repo.sh
| sudo bash
```

2. update repo

```
sudo apt update
```

3. install webmin package

```
sudo apt install -y webmin
```

4. start and verify service

```
sudo systemctl status webmin  
sudo netstat -anp|grep 10000 | grep LISTEN | awk '{print $4}' | awk '{print  
"https://"$1}'
```

5. access initial webmin UI and login as root

[Screenshot 2025-06-23 at 21.07.46.png](#)

Installation CLI commands copy & Paste

```
wget -O - https://raw.githubusercontent.com/webmin/webmin/master/webmin-setup-repo.sh |  
sudo bash  
sudo apt update  
sudo apt install -yq webmin  
sudo systemctl status webmin  
sudo netstat -anp|grep 10000 | grep LISTEN | awk '{print $4}' | awk '{print "http://"$1}'  
| xargs -n1 open
```

Update OOB installation

We can update via the webmin UI to change a minimal set of options to use Webmin behind a local IP which we access via https proxy through the nginx proxy

For the following configuration to be enabled, follow the setup steps below

[image.png](#)

Pre-Setup Requirements

- Docker installed on HOST
- Docker networks configured on HOST
- Nginx Proxy Manager container setup as per [The NGINX Proxy Manager Install Guide](#)
- Access from your local machine to the server Tailscale IP address via Tailscale VPN

NGINX Proxy Host Configuration

Your NGINX Docker compose file should be setup to listen on your VPN (Tailscale) Server IP Address

- 100.100.69.2:80:80
- 100.100.69.2:443:443
- 100.100.69.2:81:81

We now setup an inbound host to listen on HTTP and HTTPS, setting the Domain Name and then routing traffic to one of the internal IP addresses that Webmin is listening on

Next you want to request an SSL certificate or use the wildcard cert that should be available; ensure to **enable Force SSL** so all connections are secure; as a final check, we setup the advanced nginx config to check source IP ranges - if the address is not local or VPN, it is denied

[Screenshot 2025-06-23 at 21.57.23.png](#)

[Screenshot 2025-06-23 at 21.57.44.png](#)

[Screenshot 2025-06-23 at 21.57.51.png](#)

Post Install Configuration (WebUI)

<input type="checkbox"/> Open Console <input type="checkbox"/> Login as root	Screenshot 2025-06-23 at 21.07.46.png
Post Login Error	<p>When loading using only the proxied address (https://webmin.admin.tld.com) it may redirect to https://webmin.admin.tld.co.uk:10000 - which will cause an error (as we should have blocked access externally to 10000) - simply remove the port from the URL and hit enter to load the page</p> <p>image.png</p>
<input type="checkbox"/> Open the Webmin Config Page	Screenshot 2025-06-23 at 21.17.38.png

<input type="checkbox"/> update IPs <input type="checkbox"/> leave internal IP <input type="checkbox"/> remove external <input type="checkbox"/> modify listen ports as required (only change if there are conflicts)	Screenshot 2025-06-23 at 21.10.48.png
<input type="checkbox"/> disable SSL as the NGINX proxy will receive the SSL connection and terminate it using HTTP internally (optional but easier) <input type="checkbox"/> Setup SSL Certs if you use SSL - use your *.admin wildcard SSL cert	Screenshot 2025-06-23 at 21.10.16.png
<input type="checkbox"/> Update the approved referer DNS names	Screenshot 2025-06-23 at 21.18.04.png

Revision #5

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