

Virtual Personal Network (VPN)

- OpenVPN
- OPNsense
 - Update and/or upgrade of OPNsense in GCP

OpenVPN

OPNsense

Update and/or upgrade of OPNsense in GCP

Considerations:

Time: from v24 to v25 it took around two-three hours to complete upgrades.

Prepare

Console

```
gcloud config set disable_usage_reporting false
gcloud config set accessibility/screen_reader false

gcloud auth login
? gcloud auth login --no-browser
gcloud auth list
gcloud config set account (account)

gcloud projects list
gcloud config set project (project)
gcloud config list project

gcloud compute regions list
gcloud config set compute/region europe-north1

gcloud compute zones list
gcloud config set compute/zone europe-north1-c
```

Backup

Take a snapshot

```
gcloud compute disks list
? gcloud compute disks list --filter="users:instance='gcp1fw1'" --zone=europe-north1-c
# no dots allowed in the name
gcloud compute snapshots create gcp1fw1-2025-05-03-1256 --source-disk='gcp1fw1'
gcloud compute snapshots list
```

Perform update

This can be performed over WebUI or CLI:

WebUI

screenshots here

CLI

Connect to OPNsense console (in my case, I do it from jumphost within GCP)

```
ssh root@10.166.0.x
```

Choose 8) Shell

```
# Unlock to permit updates
opnsense-update -U

uname -a
opnsense-version
# seelct and update base
opnsense-update -b
opnsense-update -B
# select and update kernel
opnsense-update -k
```

```
opnsense-update -K

? pkg clean -a
? pkg update -f
pkg upgrade -n
pkg upgrade
opnsense-shell reboot
? reboot

pkg info

# Lock to avoid updates
opnsense-update -L
```

```
opnsense-update -L
```

Clean

for archive

| Reddit: <https://reddit.com/r/opnsense> | @@@@

to

Last login: Sat May 3 14:05:23 2025 from 10.166.0.x

```
-----
| Hello, this is OPNsense 25.1 | .....
|                               | .....
| Website: https://opnsense.org/ | ::  ::
| Handbook: https://docs.opnsense.org/ | ::  ::
| Forums: https://forum.opnsense.org/ | ::  ::
| Code: https://github.com/opnsense | `.....
| Reddit: https://reddit.com/r/opnsense | `.....
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```