

# OPNsense

- Update and/or upgrade of OPNsense in GCP
- Determine the best server for OPNsense updates and upgrades

# 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 true
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

```
# 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
```



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 | `.....  
-----
```

# Determine the best server for OPNsense updates and upgrades

Wherever you are on the planet, there is a need to determine, which server out of many is accessible and which has the lowest latency.

Let's create a mirrors list

```
vi mirrors.list
```

Mirrors (this one was reverse engineered from official OPNsense page)

```
https://ftp.cc.uoc.gr/mirrors/opnsense/  
https://mirror-opnsense.serverbase.ch/  
https://mirror.aarnet.edu.au/pub/opnsense/  
https://mirror.ams1.nl.leaseweb.net/opnsense/  
https://mirror.catalyst.net.nz/opnsense/  
https://mirror.cedia.org.ec/opnsense/  
https://mirror.cloudfence.com.br/opnsense/  
https://mirror.cs.odu.edu/opnsense/  
https://mirror.distly.kr/opnsense  
https://mirror.dns-root.de/opnsense/  
https://mirror.eliv.digital/opnsense/  
https://mirror.fra10.de.leaseweb.net/opnsense/  
https://mirror.hemino.net/opnsense/  
https://mirror.init7.net/opnsense/  
https://mirror.keiminem.com/opnsense/  
https://mirror.koreapixel.kr/opnsense/  
https://mirror.krfoss.org/opnsense/  
https://mirror.leitecastro.com/opnsense/  
https://mirror.level66.network/opnsense-dist/  
https://mirror.marwan.ma/opnsense/  
https://mirror.meowsmp.net/opnsense/
```

```
https://mirror.mtl2.ca.leaseweb.net/opnsense/  
https://mirror.ntct.edu.tw/opnsense/  
https://mirror.pangkin.com/opnsense/  
https://mirror.raiolanetworks.com/opnsense/  
https://mirror.serverion.com/opnsense/  
https://mirror.sfo12.us.leaseweb.net/opnsense/  
https://mirror.techlabs.co.kr/opnsense/  
https://mirror.ueb.edu.ec/opnsense/  
https://mirror.uvensys.de/opnsense/  
https://mirror.venturasystems.tech/opnsense/  
https://mirror.verinomi.com/opnsense/  
https://mirror.vraphim.com/opnsense/  
https://mirror.wdc1.us.leaseweb.net/opnsense/  
https://mirror.winsub.kr/opnsense/  
https://mirror.zyner.org/mirror/opnsense/  
https://mirror.zzunipark.com/opnsense/  
https://mirror1.isatisidc.ir/opnsense/  
https://mirrors.dotsrc.org/opnsense/  
https://mirrors.hopbox.net/opnsense/  
https://mirrors.komogoto.com/opnsense/  
https://mirrors.nycbug.org/pub/opnsense/  
https://mirrors.ocf.berkeley.edu/opnsense/  
https://mirrors.pku.edu.cn/opnsense/  
https://opnsense-mirror.hiho.ch/  
https://opnsense.aivian.org/  
https://opnsense.c0urier.net/  
https://opnsense.org/download/  
https://pkg.opnsense.org/  
https://www.mirror-service.org/sites/opnsense.org/
```

Once that done, let's create a script to ping all of them

```
vi url-speed-rank.sh
```

bash code

```
#!/usr/bin/env bash  
# url-speed-rank.sh  
# Combines:  
# - ICMP RTT average per host (ping)
```

```
# - HTTP(S) total time per URL (curl)
# Outputs a sorted table + summary with the fastest N URLs (default 3).

set -o pipefail

VERBOSE=0
TOPN=3

# Ping knobs
PING_COUNT=3
PING_TIMEOUT=1 # seconds (best-effort portable)

# Curl knobs
CURL_TIMEOUT=5 # seconds

usage() {
    cat >&2 <<EOF
Usage: $0 [-v] [-n TOPN] [-c PING_COUNT] [-p PING_TIMEOUT] [-t CURL_TIMEOUT] <urls_file>

-v          verbose progress (stderr)
-n TOPN     how many fastest URLs to summarize (default: ${TOPN})
-c PING_COUNT ping packets per host (default: ${PING_COUNT})
-p PING_TIMEOUT ping timeout per packet, seconds (default: ${PING_TIMEOUT})
-t CURL_TIMEOUT curl max time per URL, seconds (default: ${CURL_TIMEOUT})

Input file:
- one URL/host per line
- empty lines and lines starting with # are ignored
- if scheme missing, https:// is assumed
EOF
    exit 1
}

log() { [[ "$VERBOSE" -eq 1 ]] && echo "$*" >&2; }

while getopts ":vn:c:p:t:" opt; do
    case "$opt" in
        v) VERBOSE=1 ;;
        n) TOPN="$OPTARG" ;;
        c) PING_COUNT="$OPTARG" ;;
    esac
done
```

```

p) PING_TIMEOUT="$OPTARG" ;;
t) CURL_TIMEOUT="$OPTARG" ;;
*) usage ;;
esac
done
shift $((OPTIND - 1))

INPUT="$1"
[[ -z "$INPUT" ]] && usage
[[ ! -r "$INPUT" ]] && { echo "Error: cannot read file '$INPUT'" >&2; exit 1; }

tmp_urls="$(mktemp)"
tmp_hosts="$(mktemp)"
tmp_ping="$(mktemp)"
tmp_results="$(mktemp)"

cleanup() { rm -f "$tmp_urls" "$tmp_hosts" "$tmp_ping" "$tmp_results"; }
trap cleanup EXIT

# 1) Normalize input → list of URLs (deduped)
# - skip empty/comments
# - prepend https:// if missing scheme
awk '
/^[[:space:]]*$/ { next }
/^[[:space:]]*#/ { next }
{
gsub(/^[[:space:]]+|[[:space:]]+$/, "", $0)
url=$0
if (url !~ /^https?:\/\//) url="https://" url
if (!seen[url]++) print url
}
' "$INPUT" > "$tmp_urls"

TOTAL_URLS="$(wc -l < "$tmp_urls" | tr -d ' ')"
[[ "$TOTAL_URLS" -eq 0 ]] && { echo "No URLs to test (after filtering comments/empty lines)." >&2; exit 1; }

# 2) Extract unique hosts from URLs
# host = strip scheme, then cut at first /, :, ?, #
sed -E 's/^[a-zA-Z]+:\/\//; s/[/?#].*$||; s|:.*$||' "$tmp_urls" | sort -u > "$tmp_hosts"

```

```

# 3) Ping each host once → avg RTT (ms) or 999999 on failure
ping_avg_ms() {
    local host="$1"
    local out

    # Try Linux-style first, then alternate (some environments differ).
    if out="$(ping -c "$PING_COUNT" -W "$PING_TIMEOUT" "$host" 2>/dev/null)"; then
        :
    elif out="$(ping -c "$PING_COUNT" -t "$PING_TIMEOUT" "$host" 2>/dev/null)"; then
        :
    else
        echo "999999"
        return 0
    fi

    # Linux: "rtt min/avg/max/mdev = 10.1/11.2/..."
    # macOS: "round-trip min/avg/max/stddev = 10.1/11.2/..."
    awk -F'/' '/round-trip|rtt/ {print $5; found=1} END{ if(!found) print "999999" }' <<<"$out"
}

log "[*] Pinging hosts ($(wc -l < "$tmp_hosts" | tr -d ' ') unique) ..."
while IFS= read -r host; do
    [[ -z "$host" ]] && continue
    log "    ping: $host"
    avg="$(ping_avg_ms "$host")"
    printf "%s\t%s\n" "$host" "$avg" >> "$tmp_ping"
done < "$tmp_hosts"

# 4) Test each URL with curl → time_total + http_code; join ping by host
log "[*] Curling URLs (${TOTAL_URLS}) ..."
while IFS= read -r url; do
    log "    curl: $url"

    host="$(sed -E 's|^[a-zA-Z]+://|; s|[/?#].*||; s|:.*$||' <<<"$url")"
    ping_ms="$(awk -F'\t' -v h="$host" '$1==h{print $2; found=1} END{if(!found) print "999999"}' "$tmp_ping")"

    # We capture both time_total and http_code. On hard error, curl prints nothing; treat as failure.
    curl_out="$(curl \
        --silent \
        --output /dev/null \

```

```

--location \
--max-time "$CURL_TIMEOUT" \
--write-out "%{time_total}\t%{http_code}" \
"$url" 2>/dev/null || true)"

curl_time="$(awk -F\t '{print $1}' <<<"$curl_out")"
http_code="$(awk -F\t '{print $2}' <<<"$curl_out")"

if [[ -z "$curl_time" || "$curl_time" == "0.000"* ]]; then
    curl_time="999.999"
    http_code="${http_code:-000}"
    status="FAIL"
else
    # Consider 2xx/3xx as OK
    if [[ "$http_code" =~ ^2|^3 ]]; then
        status="OK"
    else
        status="HTTP_$http_code"
    fi
fi

# Sort key first (curl seconds), then printable columns
# Columns: CURL_S PING_MS HTTP STATUS URL
printf "%08.3f\t%10.2f\t%3s\t%-8s\t%s\n" \
"$curl_time" "$ping_ms" "$http_code" "$status" "$url" >> "$tmp_results"
done < "$tmp_urls"

# 5) Print ranked table
echo
echo "Ranked (fastest → slowest) by HTTP total time:"
printf "%-10s %-10s %-4s %-8s %s\n" "CURL_S" "PING_MS" "HTTP" "STATUS" "URL"
printf "%-10s %-10s %-4s %-8s %s\n" "-----" "-----" "----" "-----" "----"
sort -n "$tmp_results" | awk -F\t '{printf "%-10s %-10s %-4s %-8s %s\n", $1, $2, $3, $4, $5}'

# 6) Summary stats + fastest TOPN URLs
echo
echo "Summary:"
unique_hosts="$(wc -l < "$tmp_hosts" | tr -d ' ')"
ping_fail_hosts="$(awk -F\t '$2>=999999 {c++} END{print c+0}' "$tmp_ping)"
curl_fail_urls="$(awk -F\t '$1>=999.999 || $4=="FAIL" {c++} END{print c+0}' "$tmp_results")"

```

```

ok_urls="$(awk -F'\t' '$4=="OK" {c++} END{print c+0}' "$tmp_results")"

# Average curl time across successful URLs (status OK)
avg_ok_curl="$(awk -F'\t' '$4=="OK"{sum+=$1; n++} END{ if(n) printf "%.3f", sum/n; else print "n/a" }'
"$tmp_results")"

echo " URLs tested:      $TOTAL_URLS"
echo " Unique hosts:    $unique_hosts"
echo " OK URLs (2xx/3xx): $ok_urls"
echo " Curl failures/timeout: $curl_fail_urls"
echo " Ping failures:     $ping_fail_hosts"
echo " Avg curl time (OK):  ${avg_ok_curl}s"

echo
echo "Fastest ${TOPN} URL(s) to use for update fetching (by HTTP total time):"
sort -n "$tmp_results" | head -n "$TOPN" | awk -F'\t' '{printf " %s (curl=%ss, ping=%sms, http=%s,
%s)\n", $5, $1, $2, $3, $4}'

```

## Make executable

```
chmod +x ./url-speed-rank.sh
```

## And run it

```
./url-speed-rank.sh -v mirrors.list
```

## Results:

[!\[\]\(https://storage.googleapis.com/iau-data-dox/uploads/images/gallery/2026-04/scaled-1680-5pS8yKNK62YGtaw5z-image-1775619083551.png\)](https://storage.googleapis.com/iau-data-dox/uploads/images/gallery/2026-04/scaled-1680-5pS8yKNK62YGtaw5z-image-1775619083551.png)

Let's see result more closer

Ranked (fastest → slowest) by HTTP total time:

| CURL_S   | PING_MS   | HTTP | STATUS   | URL  |
|----------|-----------|------|----------|--|
| 0000.092 | 999999.00 | 200  | OK       | https://mirror.verinomi.com/opnsense/              |
| 0000.221 | 24.05     | 403  | HTTP_403 | https://mirror.krfoss.org/opnsense/                |
| 0000.232 | 999999.00 | 200  | OK       | https://mirror-opnsense.serverbase.ch/             |
| 0000.233 | 74.23     | 200  | OK       | https://mirror.zyner.org/mirror/opnsense/          |
| 0000.234 | 74.60     | 200  | OK       | https://mirror.uvensys.de/opnsense/                |
| 0000.242 | 77.44     | 200  | OK       | https://mirror.init7.net/opnsense/                 |
| 0000.245 | 78.98     | 200  | OK       | https://opnsense-mirror.hiho.ch/                   |
| 0000.248 | 78.39     | 200  | OK       | https://mirrors.dotsrc.org/opnsense/               |
| 0000.256 | 999999.00 | 200  | OK       | https://mirror.vraphim.com/opnsense/               |
| 0000.277 | 74.71     | 200  | OK       | https://mirror.dns-root.de/opnsense/               |
| 0000.280 | 63.05     | 200  | OK       | https://mirror.fra10.de.leaseweb.net/opnsense/     |
| 0000.281 | 67.35     | 200  | OK       | https://mirror.serverion.com/opnsense/             |
| 0000.293 | 81.80     | 200  | OK       | https://opnsense.c0urier.net/                      |
| 0000.318 | 63.73     | 200  | OK       | https://pkg.opnsense.org/                          |
| 0000.336 | 76.12     | 200  | OK       | https://mirror.ams1.nl.leaseweb.net/opnsense/      |
| 0000.339 | 99.32     | 200  | OK       | https://mirror.marwan.ma/opnsense/                 |
| 0000.369 | 28.55     | 404  | HTTP_404 | https://mirror.eliv.digital/opnsense/              |
| 0000.378 | 80.56     | 200  | OK       | https://mirror.raiolanetworks.com/opnsense/        |
| 0000.385 | 30.88     | 200  | OK       | https://mirror.techlabs.co.kr/opnsense/            |
| 0000.402 | 79.23     | 200  | OK       | https://mirrors.komogoto.com/opnsense/             |
| 0000.424 | 29.98     | 200  | OK       | https://mirror.winsub.kr/opnsense/                 |
| 0000.446 | 145.98    | 200  | OK       | https://mirrors.nycbug.org/pub/opnsense/           |
| 0000.471 | 999999.00 | 200  | OK       | https://mirror.cs.odu.edu/opnsense/                |
| 0000.497 | 64.11     | 200  | OK       | https://opnsense.org/download/                     |
| 0000.514 | 74.20     | 200  | OK       | https://mirror.venturasystems.tech/opnsense/       |
| 0000.579 | 71.70     | 200  | OK       | https://www.mirror-service.org/sites/opnsense.org/ |
| 0000.599 | 141.55    | 200  | OK       | https://mirror.mtl2.ca.leaseweb.net/opnsense/      |
| 0000.601 | 149.73    | 200  | OK       | https://mirror.wdcl.us.leaseweb.net/opnsense/      |
| 0000.632 | 272.29    | 000  | HTTP_000 | https://mirror.cloudfence.com.br/opnsense/         |
| 0000.650 | 211.07    | 200  | OK       | https://mirrors.ocf.berkeley.edu/opnsense/         |
| 0000.738 | 230.49    | 200  | OK       | https://mirrors.hopbox.net/opnsense/               |
| 0000.804 | 999999.00 | 200  | OK       | https://ftp.cc.uoc.gr/mirrors/opnsense/            |
| 0000.814 | 197.82    | 200  | OK       | https://mirror.sfo12.us.leaseweb.net/opnsense/     |
| 0000.835 | 76.97     | 200  | OK       | https://mirror.level66.network/opnsense-dist/      |
| 0000.888 | 999999.00 | 200  | OK       | https://mirror.hemino.net/opnsense/                |
| 0000.929 | 999999.00 | 200  | OK       | https://mirrors.pku.edu.cn/opnsense/               |
| 0000.952 | 305.30    | 200  | OK       | https://mirror.koreapixel.kr/opnsense/             |
| 0001.005 | 240.86    | 200  | OK       | https://mirror.ueb.edu.ec/opnsense/                |
| 0001.033 | 73.53     | 200  | OK       | https://mirror.meowamp.net/opnsense/               |
| 0001.086 | 345.24    | 200  | OK       | https://mirror.aarnet.edu.au/pub/opnsense/         |
| 0001.098 | 355.62    | 200  | OK       | https://mirror.catalyst.net.nz/opnsense/           |
| 0001.428 | 999999.00 | 200  | OK       | https://mirror.keiminem.com/opnsense/              |
| 0001.818 | 243.04    | 200  | OK       | https://mirror.cedia.org.ec/opnsense/              |
| 0001.827 | 312.75    | 200  | OK       | https://mirror.distly.kr/opnsense                  |
| 0002.420 | 333.21    | 200  | OK       | https://mirror.pangkin.com/opnsense/               |
| 0002.438 | 308.37    | 200  | OK       | https://opnsense.aivian.org/                       |
| 0004.797 | 28.68     | 200  | OK       | https://mirror.zzunipark.com/opnsense/             |
| 0005.002 | 999999.00 | 000  | HTTP_000 | https://mirror1.isatisidc.ir/opnsense/             |
| 0005.003 | 999999.00 | 000  | HTTP_000 | https://mirror.leitecastro.com/opnsense/           |
| 0005.004 | 999999.00 | 000  | HTTP_000 | https://mirror.ntct.edu.tw/opnsense/               |

Summary:

URLs tested: 50  
Unique hosts: 50  
OK URLs (2xx/3xx): 0  
Curl failures/timeout: 0  
Ping failures: 11  
Avg curl time (OK): n/as

Fastest 3 URL(s) to use for update fetching (by HTTP total time):

https://mirror.verinomi.com/opnsense/ (curl=0000.092s, ping=999999.00ms, http=200, OK )  
https://mirror.krfoss.org/opnsense/ (curl=0000.221s, ping=24.05ms, http=403, HTTP\_403)  
https://mirror-opnsense.serverbase.ch/ (curl=0000.232s, ping=999999.00ms, http=200, OK )





/opnsense/FreeBSD:14:amd64/26.1/latest/

파일 이름 ↓

파일 크기 ↓

날짜 ↓

Parent directory/

-

-

All/

-

2026년 03월 24일 20시 52분

Latest/

-

2026년 03월 24일 20시 52분

data.pkg

324.6 KiB

2026년 03월 24일 20시 26분

data.tzst

324.6 KiB

2026년 03월 24일 20시 26분

meta

179 B

2026년 03월 24일 20시 26분

meta.conf

179 B

2026년 03월 24일 20시 26분

packagesite.pkg

324.6 KiB

2026년 03월 24일 20시 26분

packagesite.tzst

324.6 KiB

2026년 03월 24일 20시 26분

후원사



ROKFOSS PROJECT

공식메일로 문의하기

분산미러 사용하기

커뮤니티에 가입하기

칼리 리눅스 한국어 문서

ROKFOSS Docs(문서)

ROKFOSS 프로젝트 뉴스룸

ROKFOSS 허니팟 공개 DB

ROKFOSS 및 참여 미러 서비스 상태



To configure selected server, navigate to System, Firmware, Settings, Mirror, choose (custom) from dropdown, type the server URL

Back to Status page will indicate that repository mirror is successfully configured

Should see dialog with fetching the packages and back to the Status, timestamp for latest update should be changed

# System: Firmware

| Status       | Settings  | Changelog | Updates | Plugins | Packages |
|--------------|---|-----------|---------|---------|----------|
| Type         | opnsense  |           |         |         |          |
| Version      | 26.1.2_5  |           |         |         |          |
| Architecture | amd64   |           |         |         |          |
| Commit       | 685ed6be1   |           |         |         |          |
| Mirror       | <a href="https://mirror.verinomi.com/opnsense//FreeBSD:14:amd64/26.1">https://mirror.verinomi.com/opnsense//FreeBSD:14:amd64/26.1</a> |           |         |         |          |
| Repositories | OPNsense (Priority: 11)   |           |         |         |          |
| Updated on   | Tue Feb 17 12:19:28 +03 2026  |           |         |         |          |
| Checked on   | Wed Apr 8 06:51:35 +03 2026   |           |         |         |          |

 Check for updates  Run an audit ▾

Once you see newer base is available and packages will be upgraded, it is a good sign

- Lobby
- Reporting
- System
- Access
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- Status
- Settings
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- Plugins
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- Services
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- Help

## System: Firmware

- Status
- Settings
- Changelog
- Updates
- Plugins
- Packages

| Package name             | Current version | New version | Required action | Repository |
|--------------------------|-----------------|-------------|-----------------|------------|
| base                     | 26.1.1          | 26.1.3      | upgrade         | OPNsense   |
| colordiff                | N/A             | 1.0.22      | new             | OPNsense   |
| dnsmasq                  | 2.92.1          | 2.92_2,1    | upgrade         | OPNsense   |
| glib                     | 2.84.4,2        | 2.84.4,2    | reinstall       | OPNsense   |
| jansson                  | 2.14.1          | 2.15.0      | upgrade         | OPNsense   |
| kea                      | 3.0.2_1         | 3.0.2_2     | upgrade         | OPNsense   |
| kernel                   | 26.1.1          | 26.1.3      | upgrade         | OPNsense   |
| libucl                   | 0.9.3           | 0.9.4       | upgrade         | OPNsense   |
| libunistring             | 1.4.1           | 1.4.2       | upgrade         | OPNsense   |
| libxml2                  | 2.15.1_1        | 2.15.2      | upgrade         | OPNsense   |
| nss                      | 3.120           | 3.121       | upgrade         | OPNsense   |
| openldap26-client        | 2.6.12          | 2.6.13      | upgrade         | OPNsense   |
| opnsense                 | 26.1.2_5        | 26.1.5      | upgrade         | OPNsense   |
| opnsense-installer       | 25.1_1          | 25.1_2      | upgrade         | OPNsense   |
| opnsense-lang            | 26.1.1          | 26.1.4      | upgrade         | OPNsense   |
| opnsense-update          | 26.1.1_1        | 26.1.3      | upgrade         | OPNsense   |
| perl5                    | 5.42.0_1        | 5.42.1      | upgrade         | OPNsense   |
| php83-phpseclib          | 3.0.49          | 3.0.50      | upgrade         | OPNsense   |
| py313-aiouic             | N/A             | 1.3.0_1     | new             | OPNsense   |
| py313-anyio              | N/A             | 4.12.1      | new             | OPNsense   |
| py313-async_generator    | N/A             | 1.10_1      | new             | OPNsense   |
| py313-attrs              | N/A             | 25.4.0      | new             | OPNsense   |
| py313-Babel              | N/A             | 2.18.0      | new             | OPNsense   |
| py313-bottleneck         | N/A             | 1.6.0       | new             | OPNsense   |
| py313-certifi            | N/A             | 2026.1.4    | new             | OPNsense   |
| py313-ffi                | N/A             | 2.0.0       | new             | OPNsense   |
| py313-charset-normalizer | N/A             | 3.4.4       | new             | OPNsense   |
| py313-cryptography       | N/A             | 46.0.5,1    | new             | OPNsense   |
| py313-dnspython          | N/A             | 2.8.0_1,1   | new             | OPNsense   |
| py313-duckdb             | N/A             | 1.5.0       | new             | OPNsense   |
| py313-h2                 | N/A             | 4.1.0_1     | new             | OPNsense   |
| py313-h11                | N/A             | 0.16.0      | new             | OPNsense   |
| py313-hpack              | N/A             | 4.0.0_1     | new             | OPNsense   |
| py313-httpcore           | N/A             | 1.0.9       | new             | OPNsense   |
| py313-httpx              | N/A             | 0.28.1_1    | new             | OPNsense   |
| py313-hyperframe         | N/A             | 6.0.0_1     | new             | OPNsense   |
| py313-idna               | N/A             | 3.11        | new             | OPNsense   |
| py313-Jinja2             | N/A             | 3.1.6       | new             | OPNsense   |
| py313-jq                 | N/A             | 1.11.0      | new             | OPNsense   |
| py313-ldap3              | N/A             | 2.9.1_1     | new             | OPNsense   |
| py313-markupsafe         | N/A             | 3.0.3       | new             | OPNsense   |
| py313-numexpr            | N/A             | 2.14.1      | new             | OPNsense   |
| py313-numpy              | N/A             | 1.26.4_12,1 | new             | OPNsense   |
| py313-outcome            | N/A             | 1.3.0_2     | new             | OPNsense   |
| py313-packaging          | N/A             | 26.0        | new             | OPNsense   |
| py313-pandas             | N/A             | 2.3.3,1     | new             | OPNsense   |
| py313-pyasn1             | N/A             | 0.6.0       | new             | OPNsense   |
| py313-pyasn1-modules     | N/A             | 0.4.1       | new             | OPNsense   |
| py313-pycparser          | N/A             | 2.23        | new             | OPNsense   |
| py313-pylsqpack          | N/A             | 0.3.23      | new             | OPNsense   |
| py313-pyopenssl          | N/A             | 25.3.0_1,1  | new             | OPNsense   |
| py313-pysocks            | N/A             | 1.7.1_1     | new             | OPNsense   |
| py313-python-dateutil    | N/A             | 2.9.0       | new             | OPNsense   |
| py313-pytz               | N/A             | 2025.2_1,1  | new             | OPNsense   |
| py313-pyyaml             | N/A             | 6.0.3       | new             | OPNsense   |
| py313-requests           | N/A             | 2.32.5      | new             | OPNsense   |
| py313-service-identity   | N/A             | 24.2.0      | new             | OPNsense   |
| py313-six                | N/A             | 1.17.0      | new             | OPNsense   |
| py313-sniffio            | N/A             | 1.3.1       | new             | OPNsense   |
| py313-socksio            | N/A             | 1.0.0_1     | new             | OPNsense   |

## Upgrade itself

### System: Firmware

Status Settings Changelog Updates Plugins Packages

```
***GOT REQUEST TO UPDATE***
Currently running OPNsense 26.1.2_5 (amd64) at Wed Apr 8 06:54:45 +03 2026
Updating OPNsense repository catalogue...
OPNsense repository is up to date.
All repositories are up to date.
Updating OPNsense repository catalogue...
OPNsense repository is up to date.
All repositories are up to date.
Checking for upgrades (117 candidates): ..... done
Processing candidates (117 candidates): .. done
The following 71 package(s) will be affected (of 0 checked):

New packages to be INSTALLED:
  colordiff: 1.0.22
  py313-Babel: 2.18.0
  py313-Jinja2: 3.1.6
  py313-aiquic: 1.3.0_1
  py313-anyio: 4.12.1
  py313-async_generator: 1.10_1
  py313-attrs: 25.4.0
```

Output shown here for diagnostic purposes. There is no general need for manual system intervention. [Click here to copy to clipboard.](#)

System config has an option to restart server, once upgraded, once that is enable, it will restart

After reboot.

The screenshot shows the OPNsense web interface. The top left features the OPNsense logo and a navigation menu with items like Lobby, Dashboard, License, Password, Logout, Reporting, System, Interfaces, Firewall, and VPN. The top right shows the user 'root@omi5fw1.in.omi.2dz.fi'. The main content area is titled 'Lobby: Dashboard' and contains a 'System Information' section with the following data:

| System Information |  |
|--------------------|--|
| Name               | omi5fw1.in.omi.2dz.fi  |
| Versions           | OPNsense 26.1.5-amd64<br>FreeBSD 14.3-RELEASE-p9<br>OpenSSL 3.0.19 |
| Updates            | <a href="#">Click to check for updates.</a>                        |

Nothing to update. Good.

- Lobby
- Reporting
- System
  - Access
  - Configuration
  - Firmware
    - Status
    - Settings
    - Changelog
    - Updates
    - Plugins
    - Packages
    - Reporter
    - Log File
  - Gateways
  - High Availability
  - Routes
  - Settings
  - Snapshots

Firmware status ✕

There are no updates available on the selected mirror.

Close

```
Updating OPNsense repository catalogue...
Fetching meta.conf: . done
Fetching data.pkg: ..... done
Processing entries: ..... done
OPNsense repository update completed. 929 packages processed.
All repositories are up to date.
Checking for upgrades (98 candidates): ..... done
Processing candidates (98 candidates): . done
Checking integrity... done (0 conflicting)
Your packages are up to date.
***DONE***
```

59:27 +03 2026

Output shown here for diagnostic purposes. There is no general need for manual system intervention. [Click here to copy to clipboard.](#)