

# Caddy Reverse Proxy

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# Was ist Caddy?

Caddy ist ein moderner Webserver und Reverse Proxy.

*Features:*

- automatische SSL Zertifikate (Let's Encrypt)
- Einfache Konfiguration
- HTTP/2 & HTTP/3 Support
- Reverse Proxy funktionalität

## **In meinem Setup**

- Caddy auf Hetzner: Öffentlicher Eingang, SSL-Termination
- Caddy auf Homeserver: Lokales Routing zu Services

# Caddy auf Hetzner

## Installation:

```
ssh hetzner

apt install -y debian-keyring debian-archive-keyring apt-transport-https curl
curl -1sLf 'https://dl.cloudsmith.io/public/caddy/stable/gpg.key' | gpg --dearmor -o
/usr/share/keyrings/caddy-stable-archive-keyring.gpg
curl -1sLf 'https://dl.cloudsmith.io/public/caddy/stable/debian.deb.txt' | tee
/etc/apt/sources.list.d/caddy-stable.list
apt update
apt install -y caddy
```

## Caddyfile:

```
nano /etc/caddy/Caddyfile
```

## Inhalt:

```
enode.eu {
    basicauth {
        denode $2a$14$<BCRYPT_HASH>
    }

    root * /var/www/denode
    file_server
    encode gzip
}

nextcloud.denode.eu {
    encode gzip
    reverse_proxy 10.100.0.2:80 {
        header_up Host {host}
        header_up X-Real-IP {remote_host}
        header_up X-Forwarded-For {remote_host}
        header_up X-Forwarded-Proto {scheme}
    }
}
```

```
}

notes.denode.eu {
  basicauth {
    denode $2a$14$<BCRYPT_HASH>
  }

  encode gzip

  reverse_proxy 10.100.0.2:4567 {
    header_up Host {host}
    header_up X-Real-IP {remote_host}
    header_up X-Forwarded-For {remote_host}
    header_up X-Forwarded-Proto {scheme}
  }
}

overleaf.denode.eu {
  basicauth {
    denode $2a$14$<BCRYPT_HASH>
  }

  encode gzip

  reverse_proxy 10.100.0.2:4568 {
    header_up Host {host}
    header_up X-Real-IP {remote_host}
    header_up X-Forwarded-For {remote_host}
    header_up X-Forwarded-Proto {scheme}
  }
}
```

## Passwort hashen

```
caddy hash-password
```

## Caddy reload

```
systemctl reload caddy
systemctl status caddy
```

# Caddy auf Homeserver

## Caddyfile

```
sudo nano /etc/caddy/Caddyfile
```

## Inhalt:

```
enode.eu {
    basicauth {
        denode $2a$14$<BCRYPT_HASH>
    }

    root * /var/www/denode
    file_server
    encode gzip
}

nextcloud.denode.eu {
    encode gzip
    reverse_proxy 10.100.0.2:80 {
        header_up Host {host}
        header_up X-Real-IP {remote_host}
        header_up X-Forwarded-For {remote_host}
        header_up X-Forwarded-Proto {scheme}
    }
}

notes.denode.eu {
    basicauth {
        denode $2a$14$<BCRYPT_HASH>
    }

    encode gzip
    reverse_proxy 10.100.0.2:4567 {
        header_up Host {host}
        header_up X-Real-IP {remote_host}
    }
}
```

```
        header_up X-Forwarded-For {remote_host}
        header_up X-Forwarded-Proto {scheme}
    }
}

overleaf.denode.eu {
    basicauth {
        denode $2a$14$<BCRYPT_HASH>
    }

    encode gzip
    reverse_proxy 10.100.0.2:4568 {
        header_up Host {host}
        header_up X-Real-IP {remote_host}
        header_up X-Forwarded-For {remote_host}
        header_up X-Forwarded-Proto {scheme}
    }
}
```

## Caddy reload

```
sudo systemctl reload caddy
sudo systemctl status caddy
```

# Wichtige Caddy-Befehle

## Config testen

```
caddy validate --config /etc/caddy/Caddyfile
```

## Caddy neuladen

```
systemctl reload caddy
```

## Status prüfen

```
systemctl status caddy
```

## Logs ansehen

```
journalctl -u caddy -f
```

## Config Pfad:

- Hetzner: `/etc/caddy/Caddyfile`
- Homesever: `/etc/caddy/Caddyfile`