

# Enable HTTPS LibreNMS

## Ubuntu 24.04

Create self-signed SSL certificate

```
sudo mkdir -p /etc/nginx/ssl
sudo openssl req -x509 -nodes -days 365 -newkey rsa:4096 \
  -keyout /etc/nginx/ssl/librenms.key \
  -out /etc/nginx/ssl/librenms.crt
```

Edit you exiting NGINX configuration

```
nano /etc/nginx/conf.d/librenms.conf
```

```
# Redirect all HTTP → HTTPS
server {
    listen 80;
    listen [::]:80;
    server_name librenms.domain.com;
    return 301 https://librenms.domain.com$request_uri;
}

# Main HTTPS server
server {
    listen 443 ssl http2;
    listen [::]:443 ssl http2;

    server_name librenms.domain.com;

    ssl_certificate      /etc/nginx/ssl/librenms.crt;
    ssl_certificate_key  /etc/nginx/ssl/librenms.key;

    root /opt/librenms/html;
    index index.php;

    access_log /opt/librenms/logs/access_log;
```

```
error_log /opt/librenms/logs/error_log;

charset utf-8;
gzip on;
gzip_types text/css application/javascript text/javascript application/x-javascript
image/svg+xml text/plain text/xsd text/xsl text/xml image/x-icon;

# Main app
location / {
    try_files $uri $uri/ /index.php?$query_string;
}

# API v0
location /api/v0 {
    try_files $uri $uri/ /api_v0.php?$query_string;
}

# PHP-FPM
location ~ /\.php$ {
    include fastcgi.conf;
    fastcgi_split_path_info ^(.+\.(php))(/.+)$;
    fastcgi_pass unix:/run/php-fpm-librenms.sock;

    # Force HTTPS inside PHP
    fastcgi_param HTTPS on;
    fastcgi_param HTTP_X_FORWARDED_PROTO https;
    fastcgi_param HTTP_X_FORWARDED_PORT 443;
}

# Security
location ~ /\.ht {
    deny all;
}
}
```

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## Test & reload NGINX

```
sudo nginx -t
sudo systemctl reload nginx
```

## Set LibreNMS to use HTTPS

```
sudo nano /opt/librenms/.env
```

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## Set APP\_URL with your domain name

```
APP_URL=https://librenms.domain.com
```

## Clear cache, but login as librenms user

```
su - librenms  
php artisan config:clear  
php artisan cache:clear
```

## Done, Visit LibreNMS over HTTPS

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