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How-to: Nginx-UI on OpenWRT without Building

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Background:

So there's another nginx manager known as nginx-ui. You can check it out here: <https://nginxui.com/>. It seems to be a bit more comprehensive than Nginx Proxy Manager, especially since you can edit the nginx config files directly from the browser.

I have been wanting to setup OpenWRT as a lightweight consolidated ingress controller on proxmox, since my proxmox server has low resources (it's an old recycled laptop).

Nginx-UI does support OpenWRT, however only by building it. This is because the nginx-ui installation script relies on 4 things not available on OpenWRT by default: bash, /usr/lib/bin, the "install" command, and systemd.

However, (from the source code) that looks like those are the only 4 limitations, so not too bad. Those are easy to

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```
user root;
worker_processes auto;
pid /var/run/nginx.pid;
error_log /var/log/nginx/error.log;
include /etc/nginx/modules-enabled/*.conf;

events {
    worker_connections 768;
    # multi_accept on;
}

http {

    ##
    # Basic Settings
    ##

    sendfile on;
    tcp_nopush on;
    types_hash_max_size 2048;
    # server_tokens off;

    # server_names_hash_bucket_size 64;
    # server_name_in_redirect off;

    include /etc/nginx/mime.types;
    default_type application/octet-stream;

    ##
    # SSL Settings
    ##

    ssl_protocols TLSv1 TLSv1.1 TLSv1.2 TLSv1.3; # Dropping SSLv3, ref: P00DLE
    ssl_prefer_server_ciphers on;

    ##
    # Logging Settings
    ##

    access_log /var/log/nginx/access.log;

    ##
    # Gzip Settings
    ##

    gzip on;
```

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```
# gzip_comp_level 6;  
# gzip_buffers 16 8k;  
# gzip_http_version 1.1;  
# gzip_types text/plain text/css application/json application/javascript text/x  
  
##  
# Virtual Host Configs  
##  
  
include /etc/nginx/conf.d/*.conf;  
include /etc/nginx/sites-enabled/*;  
}
```

Make sure to create the directories `/etc/nginx/sites-available` and `/etc/nginx/sites-enabled`

Not sure yet how to change the user to `www` or `www-data`, but I suspect it has something to do with file permissions of the content of `/etc/nginx`

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