How set-up the Nginx web server ?

The Goal is to replace development domain names like streamlit.monsite.fr, grafana.monsite.fr, and chirpstack.monsite.fr with **production URLs** (e.g., dashboard.yoursite.com, monitoring.yoursite.com, etc.).  
  
1. Edit Domain Names

Open the **default.conf** fileat \*/nginx/ in in a text editor.

Replace the server\_name values in each server block with your desired production domain names. Example:

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| --- |
| limit\_req\_zone $binary\_remote\_addr zone=rate\_limit:10m rate=5r/m;  server {      listen 80;  **server\_name streamlit.monsite.fr;**      location / {          proxy\_pass http://streamlit\_app:8501/;          proxy\_set\_header Host $host;          proxy\_set\_header X-Real-IP $remote\_addr;          proxy\_http\_version 1.1;          proxy\_set\_header Upgrade $http\_upgrade;          proxy\_set\_header Connection "upgrade";      }  }  server {      listen 80;  **server\_name grafana.monsite.fr;**      location / {          proxy\_pass http://grafana:3000/;          proxy\_set\_header Host $host;          proxy\_set\_header X-Real-IP $remote\_addr;      }  }  server {      listen 80;  **server\_name chirpstack.monsite.fr;**      location / {          proxy\_pass http://chirpstack:8080/;          proxy\_set\_header Host $host;          proxy\_set\_header X-Real-IP $remote\_addr;      }  } |

1. Reload NGINX

After making changes, test the configuration and reload NGINX:

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| --- |
| sudo docker-compose -f docker-compose.web.yml restart |

1. Setup DNS

Before testing, make sure your DNS records point to the public IP of your NGINX server.

For example :

|  |  |
| --- | --- |
| Domain Name | Target |
| dashboard.yoursite.com | Your server’s IP address |
| monitoring.yoursite.com | Your server’s IP address |
| lorawan.yoursite.com | Your server’s IP address |

Update this in your DNS provider’s panel (e.g., OVH, Cloudflare…)

1. Enable HTTPS with Cerbot

To secure your URLs using SSL certificates from Let’s Encrypt. Cerbot wil :

* Generate and install certificates
* Automatically update your NGINX config
* Set up auto-renewal