# Nginx Guide

**STEP 1 AND 2 are mandatory, 3 is optional but it needs to be done only if you do NOT have a CDN service such as cloudflare or cloudfront, and you would like to keep the .jpg extension but server .webp images.**

## 1. Adding webp to nginx

**1.1 In your Nginx Config file, usually found in /etc/nginx/nginx.conf  you will find these lines**

# Images

```
rewrite ^/([0-9])(-[_a-zA-Z0-9-]*)?(-[0-9]+)?/.+.jpg$ /img/p/$1/$1$2$3.jpg last;

rewrite ^/([0-9])([0-9])(-[_a-zA-Z0-9-]*)?(-[0-9]+)?/.+.jpg$ /img/p/$1/$2/$1$2$3$4.jpg last;

rewrite ^/([0-9])([0-9])([0-9])(-[_a-zA-Z0-9-]*)?(-[0-9]+)?/.+.jpg$ /img/p/$1/$2/$3/$1$2$3$4$5.jpg last;

rewrite ^/([0-9])([0-9])([0-9])([0-9])(-[_a-zA-Z0-9-]*)?(-[0-9]+)?/.+.jpg$ /img/p/$1/$2/$3/$4/$1$2$3$4$5$6.jpg last;

rewrite ^/([0-9])([0-9])([0-9])([0-9])([0-9])(-[_a-zA-Z0-9-]*)?(-[0-9]+)?/.+.jpg$ /img/p/$1/$2/$3/$4/$5/$1$2$3$4$5$6$7.jpg last;

rewrite ^/([0-9])([0-9])([0-9])([0-9])([0-9])([0-9])(-[_a-zA-Z0-9-]*)?(-[0-9]+)?/.+.jpg$ /img/p/$1/$2/$3/$4/$5/$6/$1$2$3$4$5$6$7$8.jpg last;

rewrite ^/([0-9])([0-9])([0-9])([0-9])([0-9])([0-9])([0-9])(-[_a-zA-Z0-9-]*)?(-[0-9]+)?/.+.jpg$ /img/p/$1/$2/$3/$4/$5/$6/$7/$1$2$3$4$5$6$7$8$9.jpg last;

rewrite ^/([0-9])([0-9])([0-9])([0-9])([0-9])([0-9])([0-9])([0-9])(-[_a-zA-Z0-9-]*)?(-[0-9]+)?/.+.jpg$ /img/p/$1/$2/$3/$4/$5/$6/$7/$8/$1$2$3$4$5$6$7$8$9$10.jpg last;

rewrite ^/c/([0-9]+)(-[.*_a-zA-Z0-9-]*)(-[0-9]+)?/.+.jpg$ /img/c/$1$2$3.jpg last;

rewrite ^/c/([a-zA-Z_-]+)(-[0-9]+)?/.+.jpg$ /img/c/$1$2.jpg last;
```

**1.2 Under the above lines, add the following lines, just copy paste them and your Nginx server will know how to handle the images.**

# Images WebP

```
rewrite ^/([0-9])(-[_a-zA-Z0-9-]*)?(-[0-9]+)?/.+.webp$ /img/p/$1/$1$2$3.webp last;

rewrite ^/([0-9])([0-9])(-[_a-zA-Z0-9-]*)?(-[0-9]+)?/.+.webp$ /img/p/$1/$2/$1$2$3$4.webp last;

rewrite ^/([0-9])([0-9])([0-9])(-[_a-zA-Z0-9-]*)?(-[0-9]+)?/.+.webp$ /img/p/$1/$2/$3/$1$2$3$4$5.webp last;

rewrite ^/([0-9])([0-9])([0-9])([0-9])(-[_a-zA-Z0-9-]*)?(-[0-9]+)?/.+.webp$ /img/p/$1/$2/$3/$4/$1$2$3$4$5$6.webp last;

rewrite ^/([0-9])([0-9])([0-9])([0-9])([0-9])(-[_a-zA-Z0-9-]*)?(-[0-9]+)?/.+.webp$ /img/p/$1/$2/$3/$4/$5/$1$2$3$4$5$6$7.webp last;

rewrite ^/([0-9])([0-9])([0-9])([0-9])([0-9])([0-9])(-[_a-zA-Z0-9-]*)?(-[0-9]+)?/.+.webp$ /img/p/$1/$2/$3/$4/$5/$6/$1$2$3$4$5$6$7$8.webp last;

rewrite ^/([0-9])([0-9])([0-9])([0-9])([0-9])([0-9])([0-9])(-[_a-zA-Z0-9-]*)?(-[0-9]+)?/.+.webp$ /img/p/$1/$2/$3/$4/$5/$6/$7/$1$2$3$4$5$6$7$8$9.webp last;

rewrite ^/([0-9])([0-9])([0-9])([0-9])([0-9])([0-9])([0-9])([0-9])(-[_a-zA-Z0-9-]*)?(-[0-9]+)?/.+.webp$ /img/p/$1/$2/$3/$4/$5/$6/$7/$8/$1$2$3$4$5$6$7$8$9$10.webp last;

rewrite ^/c/([0-9]+)(-[.*_a-zA-Z0-9-]*)(-[0-9]+)?/.+.webp$ /img/c/$1$2$3.webp last;

rewrite ^/c/([a-zA-Z_-]+)(-[0-9]+)?/.+.webp$ /img/c/$1$2.webp last;
```

## 2. Adding mime type to Nginx

**2.1 Ensure that your /etc/nginx/mime.types file contains the following line, the location may change depending on your server settings, if the config mime type is not there and you do not know where to find it, ask your hosting for help.**

image/webp webp;

## 3. Adding mime type to Nginx

**3.1 We need to change http section, usually, you can find it in the /etc/nginx/nginx.conf file, add the following config there (this may not work on all Nginx servers, if that is the case your should ask your hosting for help, basically we want to keep .jpg/.png images ):**

```
# serve png, jpg, jpeg as webp if available
location ~* ^.+\.(png|jpe?g)$ {
    add_header Vary Accept;
    try_files $uri$webp_suffix $uri =404;
}

map $http_accept $webp_suffix {
    default "";
    "~*webp" ".webp";
}
```