

Nginx and Jenkins integration: *

In some DevOps projects, you may wonder why to use NGINX with Jenkins?

Simply, NGINX can be configured as reverse proxy, so it sits in front of our Jenkins web application.

NGINX will receive requests and pass it through. Jenkins will process the request and send the response back to NGINX which deliver it to the client.



This back and forth process will offer:

- 1- App server security. Allow only port 80 in security group so request to app server comes to web server first.
- 2- End user logs give more accurate info where logs come from.
- 3- SSL termination using NGINX can be set easily so no need to dive in Jenkins configuration.

Reverse proxy configuration:

Copy this code in **etc/nginx/conf.d/Jenkins.conf**

Test configuration with **nginx -t** command

Reload nginx using **systemctl reload nginx**

```
upstream jenkins {
    server 127.0.0.1:8080;
}

server {
    listen 80 default_server;
    listen [::]:80 default_server;

    location / {
        proxy_pass http://jenkins;
        proxy_set_header Host $host;
        proxy_set_header X-Real-IP $remote_addr;
    }
}
```

Reference: Michael Jenkins, Senior system Engineer