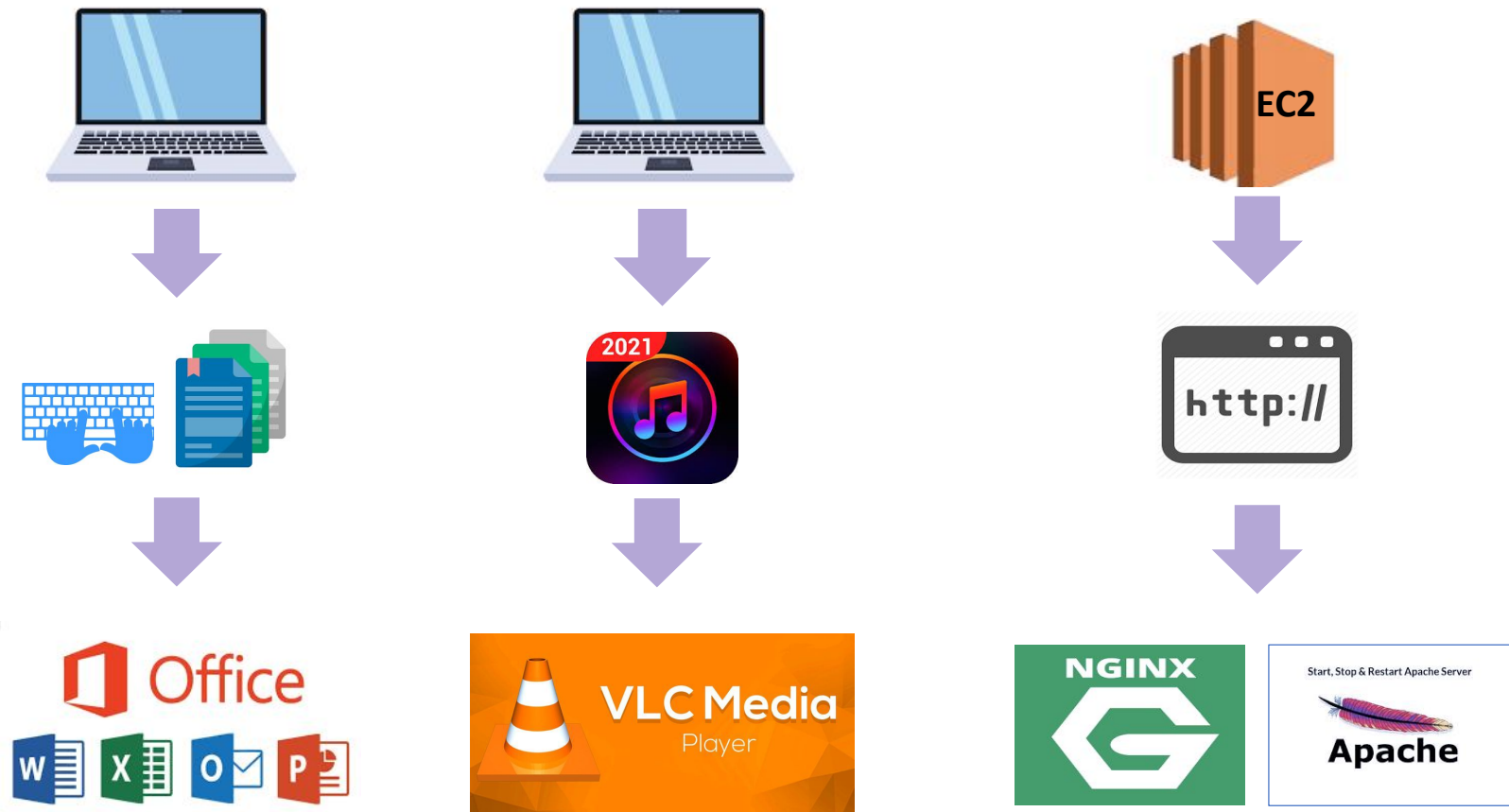


EC2 NGINX AND LAUNCH TEMPLATE

23 Ađustos 2023

OSVALDO



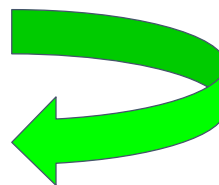
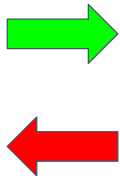
NGINX is open source software for **web serving**, reverse proxying, caching, load balancing, media streaming, and more. It started out as a web server designed for maximum performance and stability. In addition to its HTTP server capabilities, NGINX can also function as a proxy server for email (IMAP, POP3, and SMTP) and a reverse proxy and **load balancer for HTTP, TCP, and UDP servers**.

What Can NGINX Do for You?

NGINX are the best-in-class web server and application delivery solutions used by high-traffic websites such as **Dropbox, Netflix, and Zynga**. More than **350 million websites** worldwide rely on NGINX Plus and NGINX Open Source to deliver their content quickly, reliably, and securely.

Challenge of Webserver:

Parallel execution, maintaining connections to thousands of users at the same time (concurrency).



Maintains the **communication** channel between the **server** and **client**

Web-server **invokes** framework and the web-framework **figures** out what to return to the client.

Frameworks- Flask, Django...



Challenge of Framework: To ease of development, complete access to the request object, the ability to maintain some state if required and most importantly, to have a way to write all the business-level logic.



cd /var/www/html

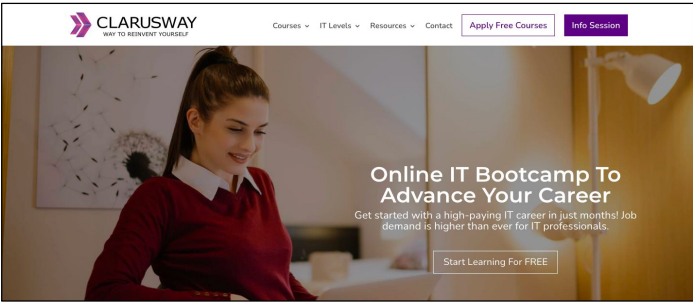
----- (NOTHING)

+ ----- Index.html

/etc/httpd/conf.d/

/usr/share/httpd/noindex

CUSTOMIZED PAGE

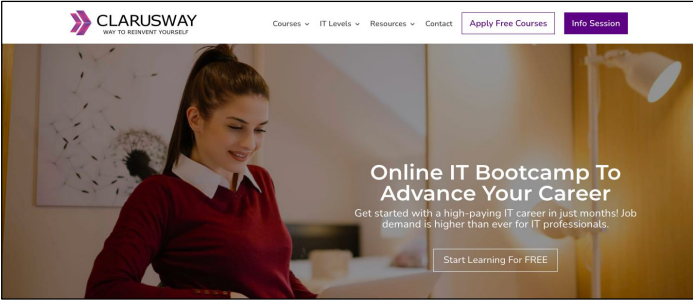


/usr/share/nginx/html

----- default (index.html)

+ ----- (new)index.html

CUSTOMIZED PAGE





It works !

/var/www/html

wget +
echo
touch

New index.html



Default Page

/usr/share/nginx/html

1. rm Default index.html
 2. wget
or echo
or touch
- + New index.html



www.e-commerce...



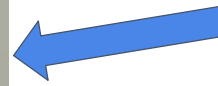
Publishing the website



Option 1



Launch
Template



Option 2- Later



snapshot



Amazon Machine
Image (AMI)

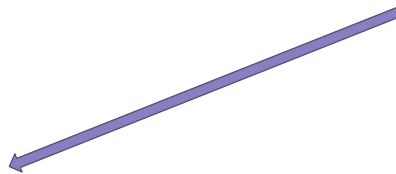
Option 3 -Later



Launch Configuration



Orijin Version

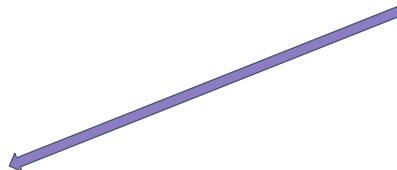


Version 1



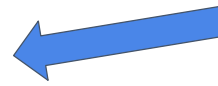
Version 2

Version 3 = Version 2
user data





Launch
Template



Orijin Version



Version 1



Version 2