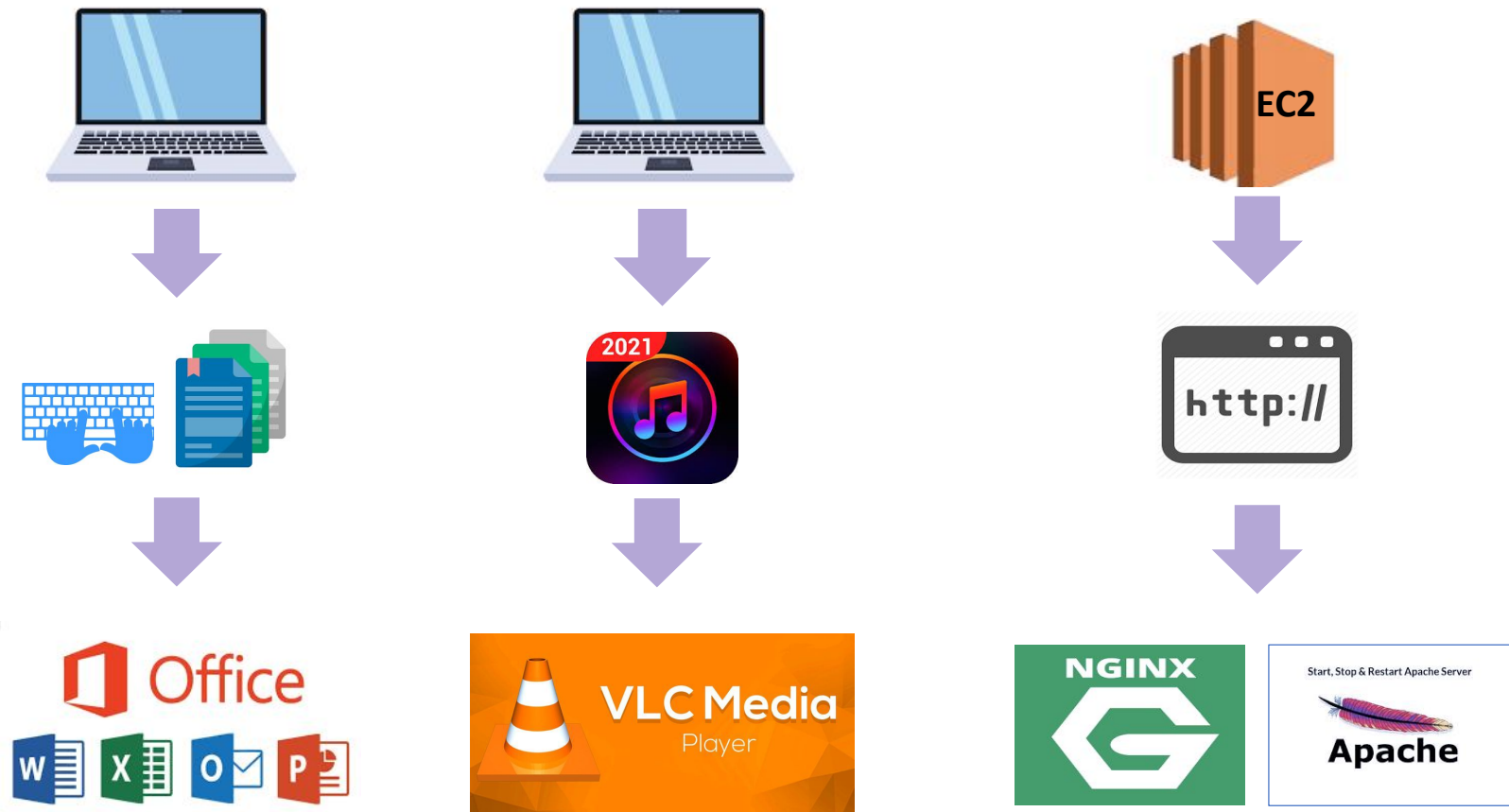


EC2 NGINX AND LAUNCH TEMPLATE

10 17 2024

OSMAN



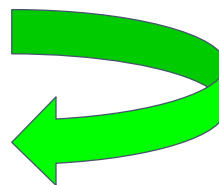
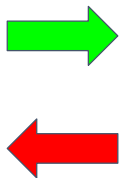
NGINX is open source software for **web serving**, reverse proxying, caching, load balancing, media streaming, and more. It started out as a web server designed for maximum performance and stability. In addition to its HTTP server capabilities, NGINX can also function as a proxy server for email (IMAP,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

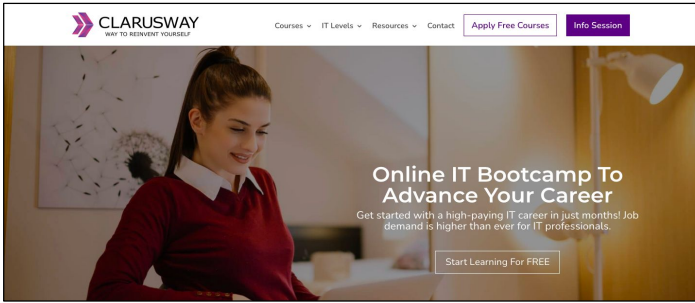
----- (NOTHING)

+ ----- Index.html

/etc/httpd/conf.d/

/usr/share/httpd/noindex

CUSTOMIZED PAGE

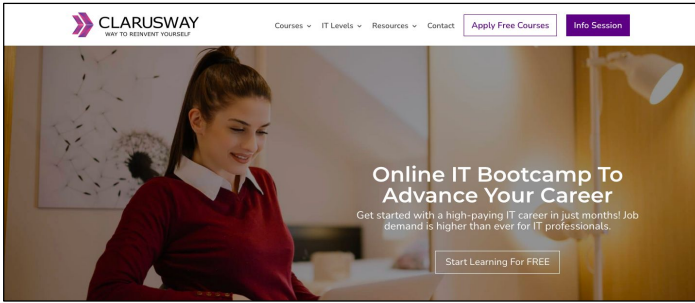


/usr/share/nginx/html

----- default (index.html)

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

CUSTOMIZED PAGE







Welcome to nginx!

Default

ou see this page, the nginx web server is successfully installed and
king. Further configuration is required.

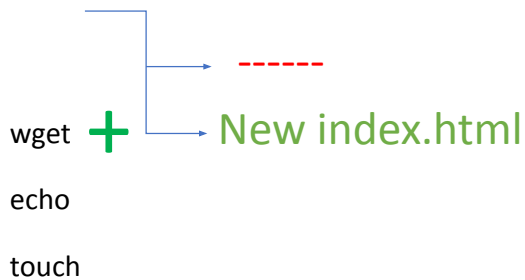
online documentation and support please refer to nginx.org.
nmercial support is available at nginx.com.

ank you for using nginx.

It works !

/var/www/html

/usr/share/nginx/html



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



www.e-commerce...

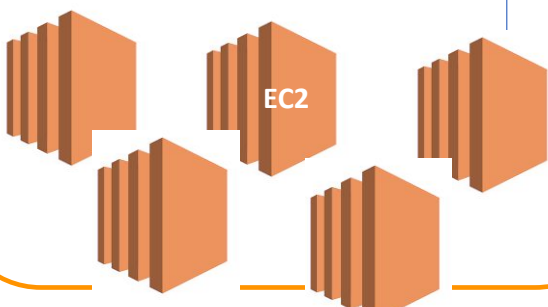


DNS

Load balancer



Auto Scaling



Option 1



Launch Template

Option 2- Later



snapshot



Amazon Machine Image (AMI)

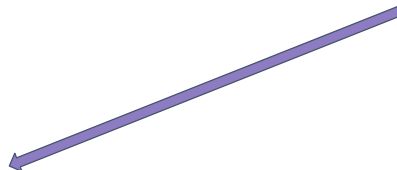
Deprecated



Launch Configuration



Version 1

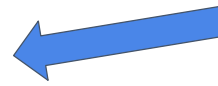


Version 2

Version 3 = Version 2
user data



Launch
Template



Orijin Version



Version 1



Version 2