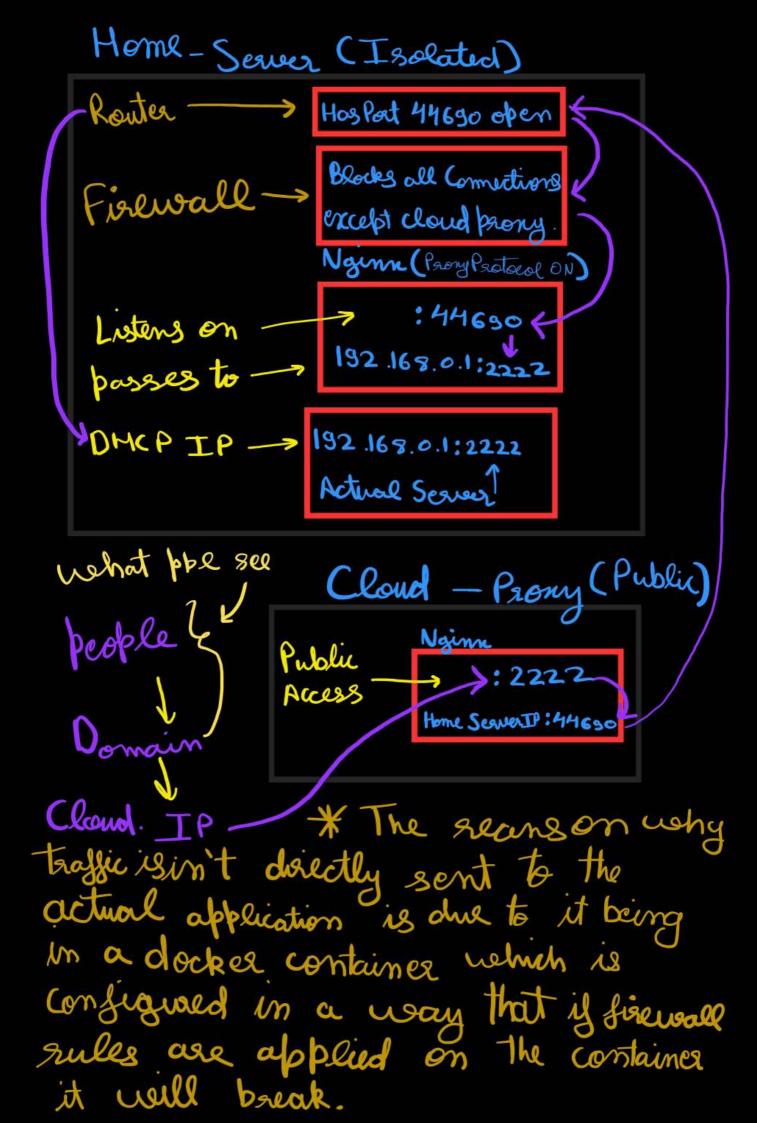
The Paroblem: -

Objuscate a public facing business Server that is located on permise that suns multiple different applications where imbound and out bound traffic is generated. Chrown 20 TB bandwith has been transferred till now.

The Solution: -

Reverse Provies! I choose NGINX as it offered Load Balancing, bestormance obtinisation and Slexibility built in.

Next there is a diagram of the setup and my thought proces !!



* If you noticed that the Business - Prony has the same post as the Home Server, it is intentional and used for objugation Now, the problem. As it is a on paemise rachine AKA hosted on abusiness location due to security seasons. The It Changed quite seignently. CStatic IP usous not possible The Solution, ANSIBLE!!, Nous if you are asking what is ansible, then in a nutshell it is a OPEN- Source automation

Tool that automates Various
IT Processes.

The Approach,

-> Set up ansible envoirment

-> Setting up SSH Keys -> The Playbook!!

Rung (Step 1: Grathers facts

Premise Step 2: Grets the current IP
Address of the machine.

Step 3: Sauces it as a fact

Kung On

Step 4: Grathes facts

Cloud

Step 5: Ensus all packages exist

Promy

Step 6: Gots the IP of On

premise-machine and saves it

Step 7-10: Updates all config files with the new IP's

Step 11: Reloads NGINX

XIf you took note of step 5. The playbook is designed with the the thought paceess that if the promy machine is changed, no exten setup is sequired excep setting up SSH Keys!

A pretty neat detail hun !!

If you have read this far,
Thank you from the bottom of
my heart for studying with
ml. I touly appricate your
being here.