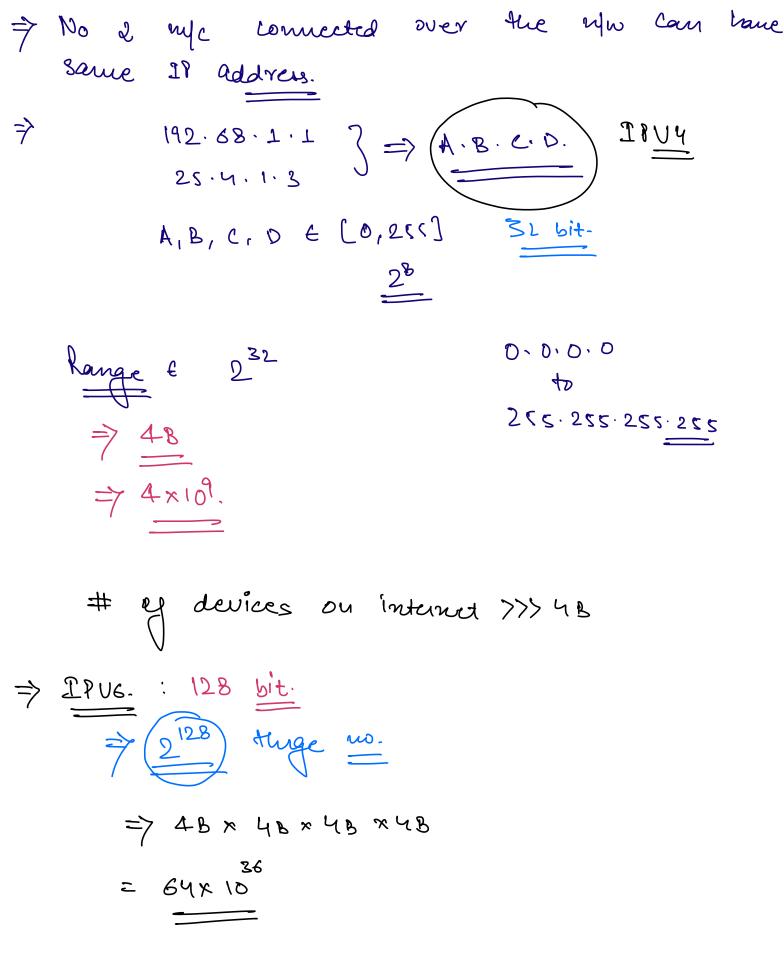
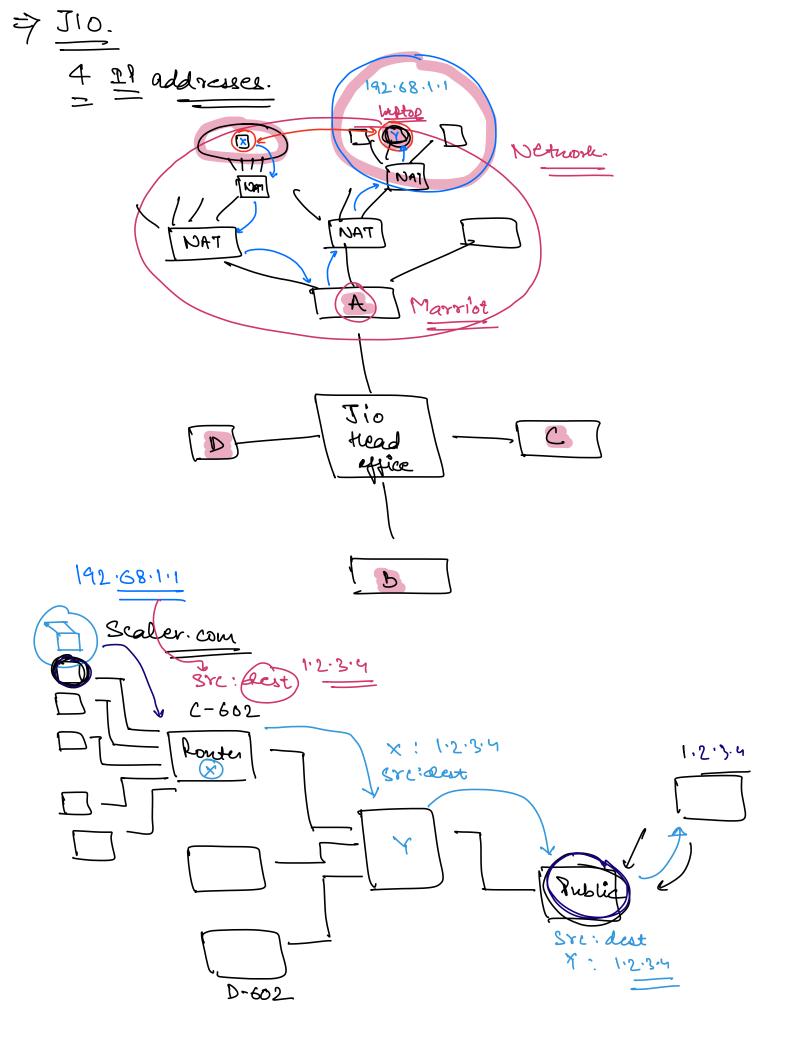
Agenda.
-> Why Cloud ?
→ Verloyment
7 IP Addresses.
Static Il's
> Public IP's
Private Il's
318V4 (2) IBV6.
7 Managed Infra
$\rightarrow \underline{\underline{EC2.}}$
Why Cloud?
Product Service > bealrost: 8080 Products L
Vserservice. boal m/c.
Til now the app" that me have created is only
accessible from our boal machine.
Public access.

=> IP Address-
C602, — Amiligon. Near Big Tree. 122101 Amiligon. This very difficult to locate this address.
Suringy zometo Numbers. Bell latitude & longitue.
Pelli Scaler court Pl Address.
Il Address es a m/c connected to the internet



TPU4.		
> Subnetting		
Mousin -		
Akshay -	_	
Scaler-com 12. Joogle-com 15	5.1.2.4 PNS	in Dame
Scaler.com		
	1	2.13.14.15
⇒ 8.8.8. free D ⇒ 1.1.1.1 Cloudely	NS Provided !	g google

Subnetting —	
Internet: Network of Network.	
Pelli Murroi Airtel Airtel	Serven
Scaler, com	US.
> Il addresses are limited > ICANN: Manager Interes.	
Anction	
Tublic \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	



=> Subvetting Leating now inside yw. => If me are sitting behind a NAT, me'll get a private Il address. 7 thow browsers min be able to connect with > (Hillie I) Buy from your ISP. > Static. ⇒ 310 ⇒ 10000 I? (6K) =>
4K => => Yublic + Static (1·2·3·4)

7 Public + Static

Product Service

Challenger.

- → Electricity
 → Network Congestion
 - -> Internet disconnected
 - -> Saling
 - Geographically diversified.

De can host om service on om ovon but it will be very difficult operationally

7 Cloud Service Providers

J. AWS J. Google Cloud Microsoft Azure

> Sharding - Backups. - Availability

Dersion upgrades => Kajka | Redis | Elastic Search - --> Cloud Providers Provides managed justa. RDS Pelational Database Service Everything me just have to Configure, and with taken lave by Cloud provider. > We can get m/c on loan from Cloud providers

Scaler.com => Aws. 99M-129m } 100 servers 4Am - 70Am } 1 6 thrsfor next 18 urs => 10 servers ? Lost optimization > x& hr. => 49B Ram 2 Core CPU. 500TB HDD. 1000 GB RAM 1000 Coves 2 GB RAM 2 Core Virtual MC 50076 10\$ /w -> Auto Scaling CPU Utilization < 30 -Remove a une

CPU Utilization > 70

- Ald a new m/c

