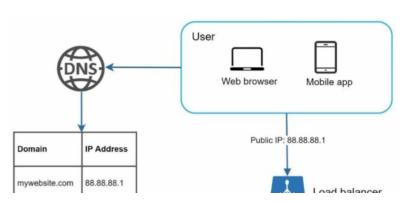
Le Cture 1 - 5th Sep 2025

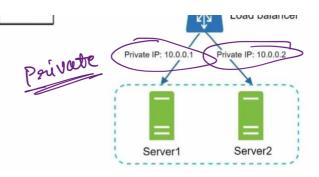
- Tayle:

- Get account on few popular clouds
 - Amazon AWS (EC2, S3)
 - Use AWS coupons if first time user
 - Build a static website using S3:
 https://docs.aws.amazon.com/AmazonS3/latest/uml
 - Create a Virtual Machine using AWS EC2
- Book: Designing Data Intensive Application - Paper: GFS.

1. It web Seurver is Bottlenech.

Scaling the backend of Webapp

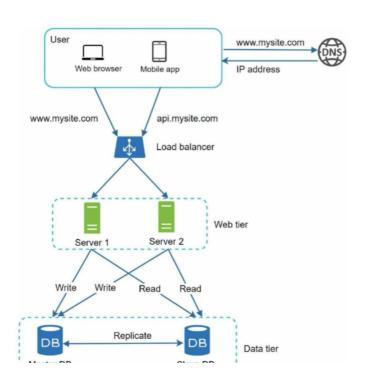




One GREAT advantage: DNS should NOT have ip for seened & only

Should have It of Load Balancen

2. If dB is Bottleneck.



- 1. It "Read" operation:
 - You can direct neg. to master DR slave DB.
- 2. If "Write" operan:
 - make the "state drange" on mæster DB.
 - Stop all ops.
 - Replicate Master & Slave DB.

ECZ Steps

- 1. AMI Amazon Machine Image.
- 2. Machine Type.

Size: micro / Nano

- 3. Get KEY (painate)
- H. Sety Finewalls. It decide which perotocols do you want to keep it open for SSH into it

5. Delete the machine

5-1 kill reselbency

S.2 kill seewer

6. Setup Notifications for Billing

V Paper → GFS: Google File System