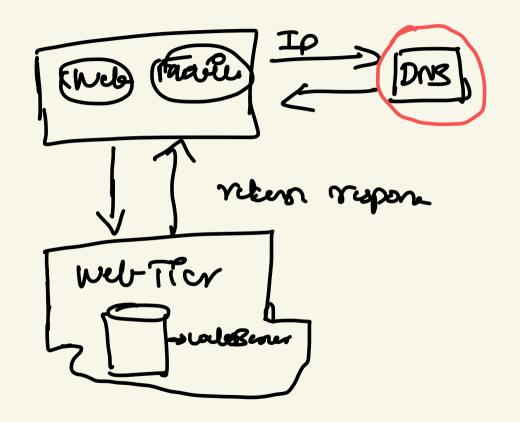
System Desibu



## Basic Stouten



Introduce a DB: For more Data and Trettic [ Pour gne ] => Pong J Barbin ) -> DB

Trirodu a Load Balance: Public Ip Is Load Bedorer E print Eg

Introduce verted saling and Horizontal Scaling > Vertical Seeling » adding more que and memory is (Seele up)

Some Server

Disadvantege: SPDF-> Single point of Failure as the Bower Guts down makes whole application ofthere

-> Honizontel 3 coling -> adoling more Server, 80 Makes

availability, reliability more as one Server Paille

coe spile hour more some

By Saling web Ter às Fêne, For Data Tuer we have to sale it by means of Data replication Data replicatés: Adding a moster-Slave Architectu Mader DB is used for updates and write openion Blace DB is used For Yeard operations. > coducategy: 1.) reduced Troffic -> as read is square and contile is square 2.) High avoilability: If some slave is Down revocats will be forwarded to other slave

Throwber OB is Down, then we can make one of the Slave DB as master or we can have multiple mater DB3
Throwberg a daute: why Carte

Introduce a d'actre: why Carte

1.) If we have more non-Frequentry updating

Data then we than Use Carte Memory

Data, then we know Use Coutre Memory
Some
2.) To retrive data in a Faster way, where Data
is colled Many Times

Couche Can be taken could or Redus or ap Reed Load Boler Data From DB It Data not availed is coche webseness response Cache store Roten Data to Cache and Store Her Coche Before Scraling to wobseness

- (autre is meisty Per State content or Less Frequency updated Content.
- 2.) Cuche Eviction: Carrie Eviten is If Cach is

  Full and DB returns the Data to update is cache

  Borne Oata might be Deleted. Removal of Data Condr

  Clone by LRV Cache -> Least Recently used Data removal

  LFV Cache -> Least Frequently used Data removal

  Fif Fo -> First in First out

CON -> Content Delivery Nebwork

1.) Kup the State Content live pics, Faurscript Pages, Videos in Location Specital National Cloud.

2.) It is mostly provided by third party, so use the Data wheir is more Frequenty gets updated

3.) Why CDN: (See Next Page)

