

- Get this I paddress
- received Ip addres from DNS
- (3) Call the service by 1P address
- receive HTML Page from Web-Server

let us examine the traffic source.

In the above diagram, we have two traffic source mainly 1. Browser, 2. mobile APP.

Client 1. Client 2.

web application of web application Juse are fundamental & Server side dient/side Java, Python etc. based Appto Mobile Browser hardletto business etc. Logic. web Application Client-Server HTTP Protocol generally used for interaction Example of between client 2 server. JSON object PEST API Response is used Commonly for request and response in HTTP protocol. An Example of JSON response format +GET/USOS/12 -> Retrieve user object for id=12 "Key-value Pair" conta erphonenlumbers. [· first Name " "Atrinagh"? "99710032**" (1 Instrume 11! PiMishrage) A8075*****215" "faddress": { Postoret Address " "21 2nd street", 3 11 end of xespoonse ercity","How York", cretate";"N" 5. "postal Gde": 10021

Now, being an archect, No first highest priorily task 18 to segregale web-server and database. www mysite com Roquest Browser Pequest as REST API COLL update HOSE 9th mobile Webserver format response Web-Server Database Being An Architect This is the First step for scaling (Decouple the system) DHS So what you did in this step somia APP Service App DB Web Service Database, One Single Machine Now These two are decoupled and Gould These two are loupled Se scalled individually inone marhine so scaling is significantly without any problem. le problematic also system is tightly coupled, for ex! if DB Service croashed it might crash your complete

Being an Architect you can observe that you decoupled the detabase, but next challenge for you is to how do you scale the detabase? OR", what exactly is the Challenge you can see "OR", what exactly is the Challenge you can see

And even before, you might ask yourself, which type of database do you think you need here. And as you start sethinking about database, you might get question like, what type of data your system require to save.