Load Balancer

take case your servers are not overlooded

Westical Scaling:

Increasing the capacity of already existing

Horizontal Scaling:

Lower.

Incereasing the number of sourcers

hood Balancer:

hood Bolonzeer comes into play when the seeweds see hosingontally scaled.

A load boloncer is on type of reverse perosey that distributes teraffic across seawers

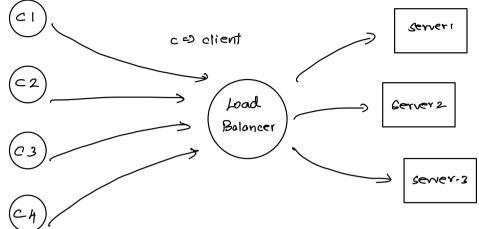
This sticleulurion is housed on sterategies weighted found folion weighted found folion such as fround-Prolum performance housed selection (choosing the secure with the hest performance metaics - like fastest presponse time on the lease amount of toroffice, based on IP addless, based on

-pottes (Eg: proveen.com / payments =) server1

proveen.com / notes => server2

Server 1 else use

Server 2



A boad balances need not only be placed between a client and or secures. it can be placed between secures & databases, at the DNS layer etc

toad Bolancer of the DNS layer - DNS Round Robin -

Sometimes a domain name con house multiple IP adobress

Terminal

>> dig hotstar.com

IP Addresses:

108.158.251.103

108.158.251.103

108.158.251.98

This is where a DNS load balancer comes into

A Dre boad balances distributes the teroffic by returning different IP addless for the same slamain name.

Based on Round-Robin Strategy

Holspots:

When distributing woodload overous or set of secures, sometimes the woodload might be speed uneverly this happens because the shoeting key or the hashing function we use might be sub-optimal. Thus some servers will receive more toroffic than the others sheating or holspol.

