**System Design Fundamentals**

Load Balancing & Traffic Routing Strategies Under 20 minutes!

**About this Topic**

In this TechByte, we discuss the importance of having load balancers and how to distribute incoming requests to application servers. Understand how a request is routed to application servers and the different routing strategies involved.

**Load balancing**is the efficient distribution of network or app traffic through various servers or server farms to reduce the load on one device.

We start with a very short introduction to DNS resolution. Understand how a request is routed to application servers and the different routing strategies that make this possible. You will understand why load balancers are a vital component in almost every system that you'll design. **Register Now!**

**Key Takeaways:**

https://s3.ap-south-1.amazonaws.com/scaler-production-domestic/public_assets/assets/000/000/367/original/blueicon.png?1627679876Be able to crack System Design Interviews at FAANG Companies like Facebook and Google!

https://s3.ap-south-1.amazonaws.com/scaler-production-domestic/public_assets/assets/000/000/367/original/blueicon.png?1627679876Learn about the working of and types of Load Balancers

https://s3.ap-south-1.amazonaws.com/scaler-production-domestic/public_assets/assets/000/000/367/original/blueicon.png?1627679876Understand How Traffic is Routed through a Load Balancer

https://s3.ap-south-1.amazonaws.com/scaler-production-domestic/public_assets/assets/000/000/367/original/blueicon.png?1627679876Understanding the importance of Load Balancer in every system