Google Cloud

https://cloud.google.com/

Why Cloud?

- Back in time, on premise.
- Big companies, they could buy millions computers.
- More services are now provided in addition to just renting out servers. A suite of services on top of infrastructure. This is what is called as Cloud.
- They provide services to run code, deploy web application, DBS, file storage. Data migration. Networking, Monitoring, Build API, Build security into your platform, ML platform like: tensorflow, Kubernetes, etc
- Well know companies that use google cloud: Coca-cola, Spotify

Web Development

- Like discussed, spin VMs, setup infrastructure for web development
- There are different tech stacks we are aware of:
    - MEAN: Mongo, Express, Angular, Node
    - MERN: Mongo, Express, React, Node
    - LAMP: Linux, Apache, MySQL, PHP
- LAMP in this lecture

LAMP

- Linux, Apache, MySQL, PHP
- LAMP has been foundations for many well known websites: FB, Wikipedia, and Slack
- https://tedium.co/2021/09/01/lamp-stack-php-mysql-apache-history/

Demo

- https://github.com/paarthlakhani/google_cloud_demo