

AWS

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AWS (What is AWS)

- Amazon Web Service
- Cloud Computing Models
 - IaaS =Infrastructure as Service
 - PaaS =Platform as Service
 - SaaS = Software as Service

AWS History

- AWS launched S3 03/14/2006
- <https://www.awsgeek.com/AWS-History/>

AWS Glossary

- EC2: Instance
- VPC: Virtual Private Cloud
- Subnets
- Cloud Watch : (Logs)
- RDS (Relational Database Service)
- ALB (Amazon Load Balancing)
- AWS Lambda

AWS Alternatives

- Azure - Microsoft
- GCP - Google CCloud Platform
- Heroku - SaaS
- Salesforce-
- Netlify -Limited capabilities
- Pythonanywhere - Limited Capabilities

AWS S3 Storage

- S3 Glacier storage used for storing files in buckets
- Capable of sharing buckets
- Allow Static Website hosting

AWS EC2

- Create instances with your choice of OS
- You can login and run applications within the instance
- Allows to configure security groups
- Demo

AWS Lambda

- Functions you don't need to deploy just call
- Benefits
 - Lightweight
 - No need to deploy
 - Easy to set up
 - Reduce cost
 - API based triggering point

AWS Statistics

- <https://aws.amazon.com/10year/>

AWS Educate Sign Up

- AWS Educate Account
 - Sign up using with your uno account
 - Do remember you need to shutdown instance after using
 - Don't submit any credit card information
 - If you exhaust credits you will be asked to pay