

AWS Cloud

An Introduction

American Tamil Media
Academy



அமெரிக்கத்
தமிழ் ஊடகம்

தமிழ் எங்கள் மூச்சு



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About

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What is **Cloud Computing**?





History of AWS

2003 Chris Pinkham and Benjamin Black

2004 - SQS Launched

2006 - AWS Launched

2007 - 180,000 builders in AWS





Why AWS?

Startups, Experiments

Pay for what you use

No Long term Lock-in

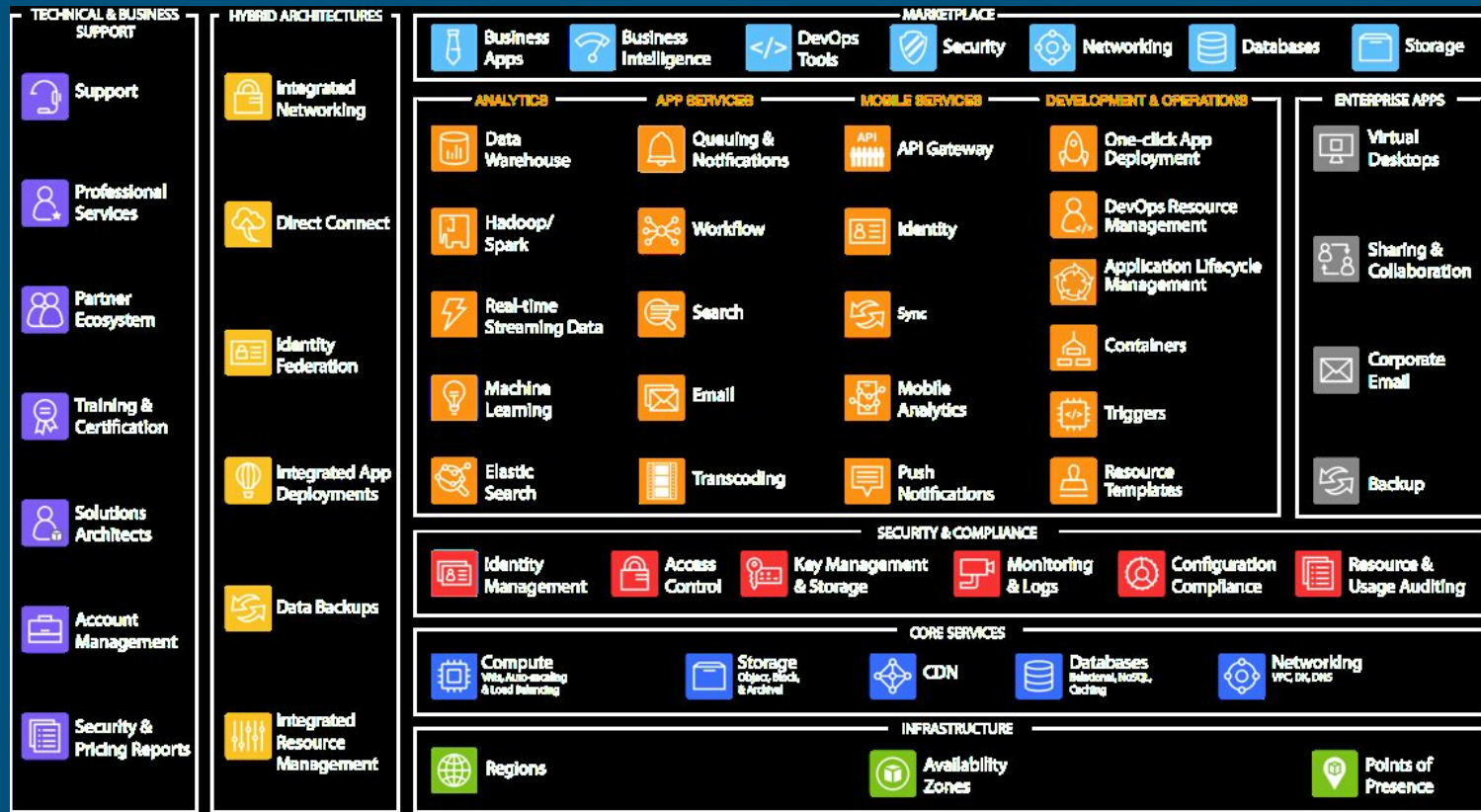


Primary reasons for moving to the cloud?

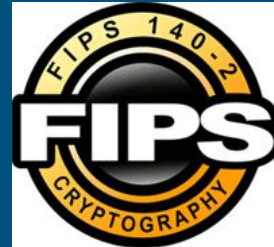
- ✔ Increased agility
- ✔ Stop guessing capacity
- ✔ Move from Capital expense to variable expense
- ✔ Breadth of services
- ✔ Go global in minutes







Certifications & Compliance programs



AWS Services

Identity & Access
Management (IAM)

Simple Storage Service (S3)

Elastic Compute Cloud (EC2)



Identity Service : IAM



User	Centralized Control
Group	Global Objects
Role	Password Policies
Policy	Multi Factor Auth



Storage Service : S3



Uniquely Identified
Object Storage
Version Control
Console / CLI / API
Security & Encryption



Compute Service : EC2



Amazon
EC2

Virtual Machine
Windows & Linux
Block Storage (EBS)
Security Groups
Virtual Private Cloud
On demand, Reserved & Spot



Networking : VPC



Isolated and Secured
Subnet

Gateway

Elastics IP

Access Control List (ACL)



Database : RDS & more

Relational Data Services, NoSQL

Oracle, MS SQL, MySQL, PostgreSQL, ...

Aurora, Redshift

DynamoDB, ElastiCache

Keyspaces, Neptune, EMR



Questions?

