AWS
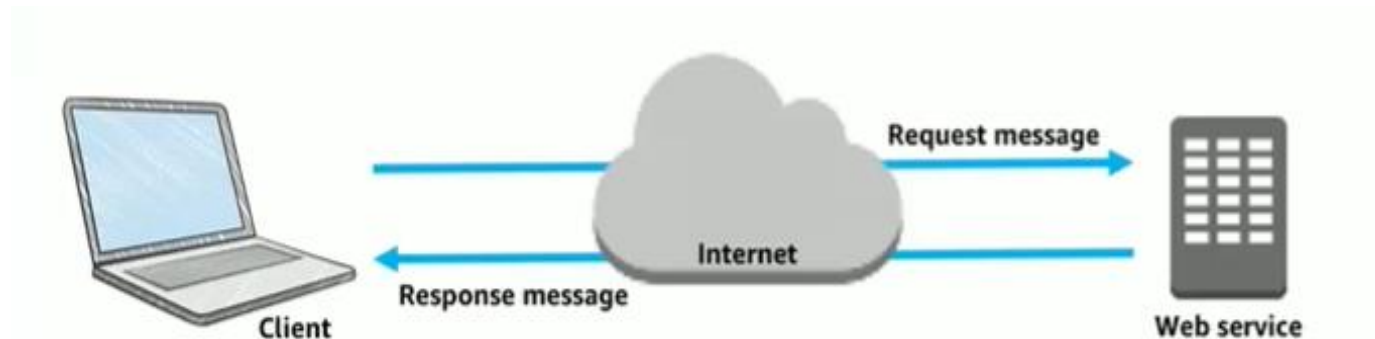
Department of Computer Science and Engineering

TIET

Web Service

A web service is any piece of software that makes itself available over the internet and uses a standardized format- such as XML or JSON for request and response of an application programming interface (API)
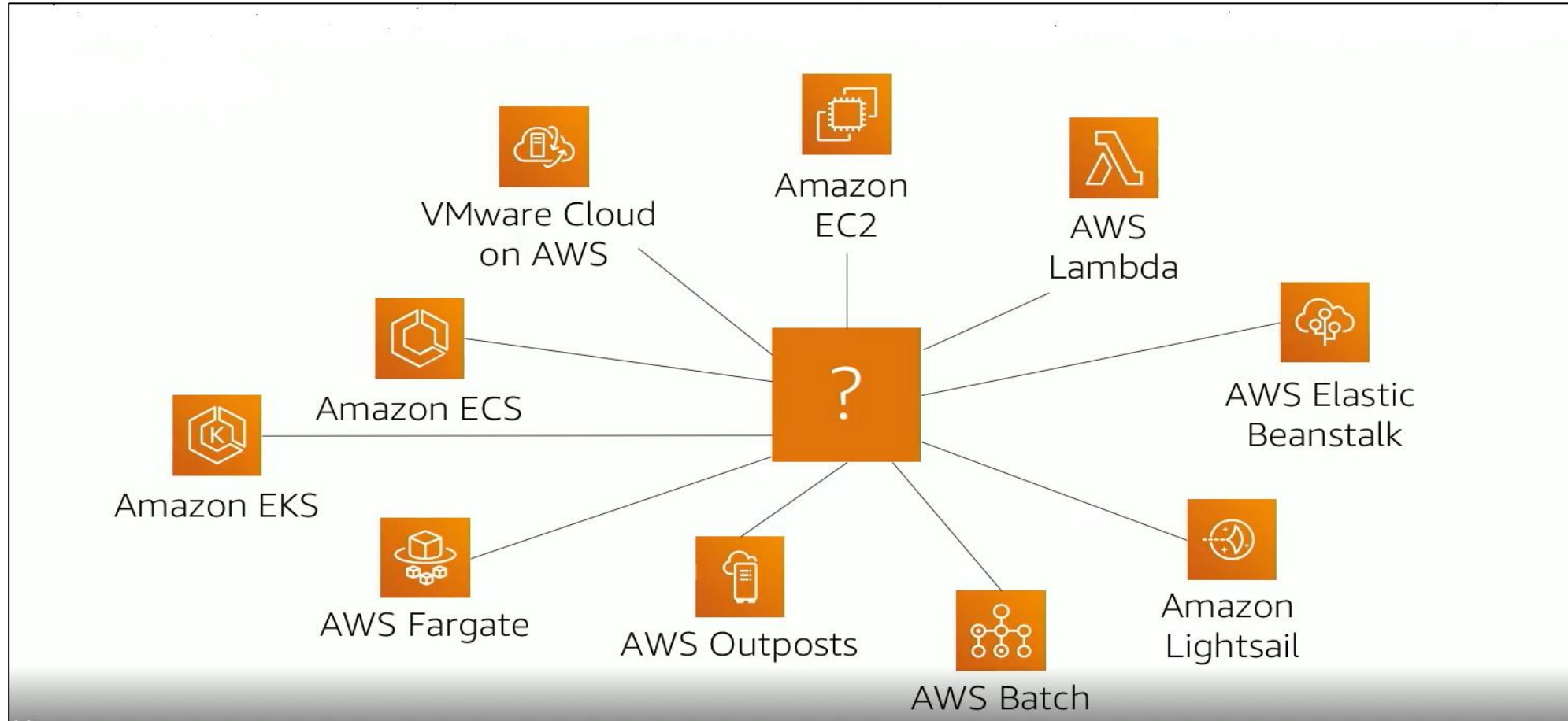
AWS

- AWS stands for Amazon Web Service.
- Secure cloud platform that offers cloud-based products.
- Provides customer on-demand access to compute, storage, network, database, and other IT resources.
- Offers flexibility.
- Services are designed to work together to support any application.

Categories of AWS services

Analytics	Application Integration	AR & VR	AWS Cost Management	Blockchain
Business Applications	Compute	Customer Engagement	Database	Developer Tools
End User Computing	Game Tech	Internet of Things	Machine Learning	Management & Governance
Media Services	Migration & Transfer	Mobile	Networking & Content Delivery	Robotics
Satellite	Security, Identity & Compliance	Storage		

Services

Access AWS

Three ways to access and create ecosystem

1. AWS management console
2. AWS command line interface (AWS CLI)
3. Software development kit (SDK)

Moving to AWS cloud

1. Three elements for successful cloud adoption:

   Technology, People, and Process

2. Technology is obtained, used, and managed.

3. Organization pay for technology

4. Cloud adoption requires fundamental changes and considered an entire organization (AWS Cloud adoption framework)

AWS cloud adoption framework (AWS CAF)

AWS CAF perspectives:

- Business
- People
- Governance
- Platform
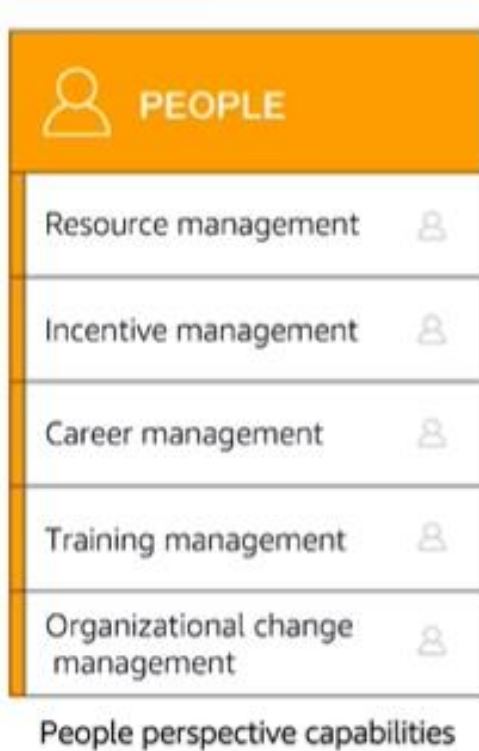- Security
- Operations
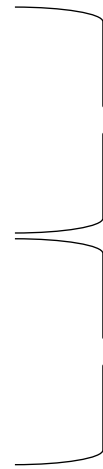
Focus on business capabilities

Focus on technical capabilities

Business perspective

Business perspective capabilities

Stakeholders: Business managers, Finance managers, Budget owners

People perspective

PEOPLE

Resource management

Incentive management

Career management

Training management

Organizational change management

People perspective capabilities

Stakeholders: Human resources, staff, people manager

Governance perspective

Governance perspective capabilities

Stakeholders: Chief information officer, Program manager, Enterprise architects, Business analysts, Portfolio manager

Platform perspectives

Platform perspective capabilities

Stakeholders: Chief technology officer, IT manager, Solution architect

Security perspectives

Security perspective capabilities

Stakeholders: Chief information security officer, IT security managers, IT security analyst

Operations perspectives

Operations perspective capabilities

Stakeholders: IT operations manager, IT support manager

Thank you