

Module 9

AWS Cloud Adoption Framework [AWS CAF]

SIX core perspectives

- Business Perspective
- People Perspective
- Governance Perspective
- Platform Perspective
- Security Perspective
- Operations Perspective

6 strategies for migration

- Rehosting
- Replatforming
- Refactoring
- Repurchasing
- Retaining
- Retiring

Rehosting "lift and shift" moving applications without changes.

Replatforming "lift, tinker and shift", making a few cloud optimizations to realize a tangible benefit.

Refactoring Refactoring (also known as re-architecture) involves reimagining how an application is architected and developed by using cloud-native features.

Repurchasing

involves moving from a traditional license to a s/w as a service (SaaS) model

Retaining

Retaining consists of keeping applications that are critical for the business in the source environment.

Retiring

Retiring is the process of removing applications that are no longer needed.

AWS Snow Family

- AWS Snowcone,
- AWS Snowball,
- AWS Snowmobile,

Snowcone

⇒ small, rugged and secure edge computing and data transfer device.

→ It features 2 CPUs, 4TB of memory and 8TB of usable storage.

Snowball

→ Snowball Edge storage optimized.

→ Snowball Edge compute optimized.

AWS Snow mobile

It is an exabyte-scale data transfer service used to move large amount of data to AWS.

You can transfer upto 100 petabytes of data per snowmobile, 45-foot long refrigerated shipping container, pulled by a semi-trailer truck.

Innovation with AWS

① Serverless Application

You no need to maintain, provision.

Examples : AWS Lambda.

② Artificial Intelligence

Services powered by AI

⇒ Convert speech to text with Amazon Transcribe

⇒ Discover patterns in text with Amazon Comprehend

⇒ Build voice and text chatbots with Amazon Lex

③ machine learning

AWS offers Amazon SageMaker to remove the difficult work from the process and empower you to build, train and deploy ML models.