

2014

MTWTFSS MTWTFSS MTWTFSS MTWTFSS MTWTFSS
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

Wednesday 15
015 136

Module 9:

(Migration and Innovation)

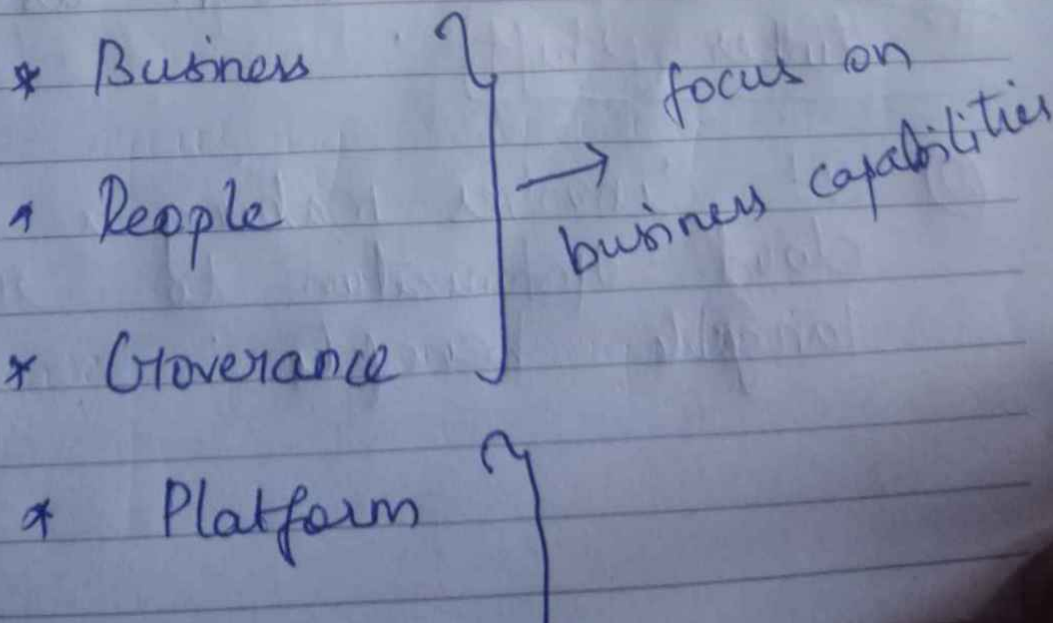
(AWS CAF) → Cloud Adoption Framework

Six core perspectives of the Cloud Adoption Framework

(X) AWS CAF focuses on six areas of guidance called "Perspectives"

Thursday 16
016 349

→ Each perspective addresses distinct responsibilities.



January

17 Friday
017-388

- * Security
 - * Operations
- } focus on technical capabilities

Migration strategies:

- ① Rehosting - lift and shift (mainly used to moving applications without changes)

18 Saturday
018-347

② Replatforming

- ① It is also known as lift tinker shift.

- ② It involves making a few cloud optimization to realize a tangible benefits.

⑤ Here the optimization is achieved without changing the core architecture of the application.

③ Refactoring

→ It is also known as re-architecting.

→ It involves re-imagining that how an application is architected and developed by using cloud-native features

④ Repurchasing

→ It is nothing but moving from a traditional license to a software-as-a-service model.

January

2018

21 Tuesday

5. Retaining

① Retaining consists of keeping applications that are critical for the business in the source environment.

② This might include applications that require major refactoring before they can be migrated.

22 Wednesday

022-343

6. Retiring

① Retiring is the process of removing applications that are no longer needed.

MTWTFSS MTWTFSS MTWTFSS MTWTFSS
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

AWS snow family:

Thursday 23
exabyte \rightarrow one billion
gigabytes

AWS snow family members:

\rightarrow It is a collection of physical device that helps to physically transport upto to exabyte of data into and out of AWS.

AWS snow family:

Friday 24
024-341

* AWS Snowcone

* AWS Snowball

* AWS Snowmobile

January

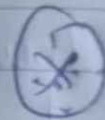
25 Saturday

AWS Snowcone :-

→ It is a small, rugged and secure edge computing and data transfer device.

Features :

2 CPUs,
4GB of memory,
8TB inline storage



26 Sunday

AWS Snowball :-

① Snowball Edge storage optimized :-

Storage :

80 TB of (HDD) Hard disk drive

6

Monday 27
 027-338

Compute :

① 40 vCPUs

② 80 GiB of memory

③ Snowball Edge Compute optimized

Storage : ~~40~~ 42TB usable HDD capacity
 (Hard disk drive)

Tuesday 28
 028-337

Compute :

① 52 vCPUs

② 208 GiB of memory.

Jan/Feb

2019

29 Wednesday
029-336

AWS Snowmobile:

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

→ Per Snowmobile → [Can transfer upto 100 petabyte of data]

30 Thursday
030-335

→ It is a 45-foot long ruggedized shipping container, pulled by a semi-trailer truck.

Innovate with AWS services

Friday 31

To do innovation in cloud you should be clearly aware of the following conditions.

* Current state

* Desired state

* The problems you are trying to solve.

Saturday 1

Serverless applications :-

With AWS,

Serverless mainly refers to applications that don't require you to provision, maintain or administer servers.

February

2 Sunday



By going to serverless, the above things are handled by AWS itself.

AWS LAMBDA

→ It is a serverless application



Building your architecture with serverless applications,

3 Monday
034-331

↓
The developers can focus on core products instead of managing and then operating the servers.



Artificial Intelligence :-

AWS offers variety of services by Artificial Intelligence.



① Convert speech to text ⇒ Amazon Transcribe

② Discover patterns in text ⇒ Amazon Comprehend

③ I identify potentially fraudulent online activities ⇒ Amazon Fraud detector

④ Build voice & text chatbots ⇒ Amazon Lex

February

6 Thursday
037-328

Machine Learning:

→ Traditional machine learning development is complex, expensive, time consuming, and error prone.

→ To overcome this AWS offers

7 Friday
038-327

Amazon
Sagemaker



It helps to build, train & deploy ML models quickly.

Saturday 8
031 320

→ You can mainly use ML,

① You can analyze data

② You can solve complex problems

③ You can predict outcomes before they happen.

Sunday 9
040 325