) ressioning can be done

. Versilons commot be deleted

· versionis can only be Suspended

83 optimization

default

· single blob of data single otream upload

then all has to be

· Single put-data

— slower speed with
single speed.

— unreliable

Multiport upload min is 10DMB Single put data is not worth.

posts can be fail 4 be restorted again

- transfer rate com
be improved

like IDM for aplead

Accelerated transfer uses 63 Edge Location default is switchoff

cannot contain period

Need to use new endpoint Received foots AWS Accelerator to get benefit of toensfer Accelerator

Encouption Approaches

Enoryption at rest

- used when only one

posty is ther

- Encouption in -toansit
 when multiple systems are
 involved
- o plaintent can be image document App.
- · Algorithm Blowfish, RC6



Different types of key

to symmetric Encouption of data

good for Local file encorption or encorption on Laptop, Local disk



Asymmetric Enoryption Both side needs public 4 private key.

- · only private key can decrypt the data.
- e pub is only is used to decorpt the data.

Mobily used for

ovate key we can

managment service.

· regional 4 public very region is isolated for create, store 4

Key Management Service (KMS)

- https://learn.cantrill.io

- Regional & Public Service
- Create, Store and Manage Keys
- Symmetric and Asymmetric Keys
- Cryptographic operations (encrypt, decrypt & ...)
- Keys never leave KMS Provides FIPS 140-2 (L2)

Keys can be imported.

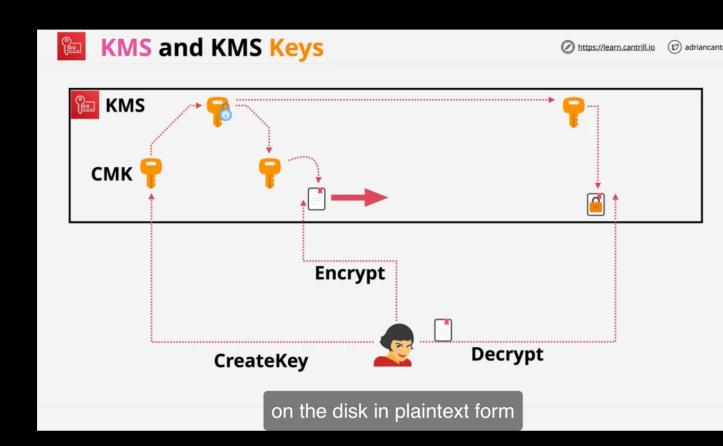
acked inside

provides FIPS 140-2 (L

Key Management Service (KMS)

- https://learn.cantrill.io

- KMS Keys
- KMS Keys are logical ID, date, policy, desc & state
- backed by physical key material
- Generated or Imported
- KMS Keys can be used for up to 4KB of data Now this might sound like a pretty serious limitation.



Dota Encryption keys (DEK)

KMS doen't do deuta Enonyption on deuta which is

Longer than 4kB

you do on the service using

kms.



Key Concepts





- KMS Keys are isolated to a region & never leave..
- ... Multi-region keys discussed (if required) in a different video
- ... AWS Owned & Customer Owned
- ... w/ Customer owned...AWS Managed or Customer Managed KEYS
- Customer managed keys are more configurable
- KMS Keys support rotation
- Backing Key (and previous backing keys)
- Aliases

You can create my app 1 in all regions

KMS Demo

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