KMS and CloudHSM module

KMS Key Management Service – regional

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- Stores symetric keys
- Stores CMK (Customer Managed Keys)
- Can decrypt upto 4kb of data
- CMK never leaves KMS module unencrypted
- Data keys are used to encrypt data
    - Call KMS to create datakey
    - KMS return key and encrypted key with CMK
```

CloudHSM

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- Hardware Module
- Tamper resistant
- Low latency and High Performance
- Should be deployed in redunant pair
- Should ahve offsite backup.
```