



A CLOUD GURU

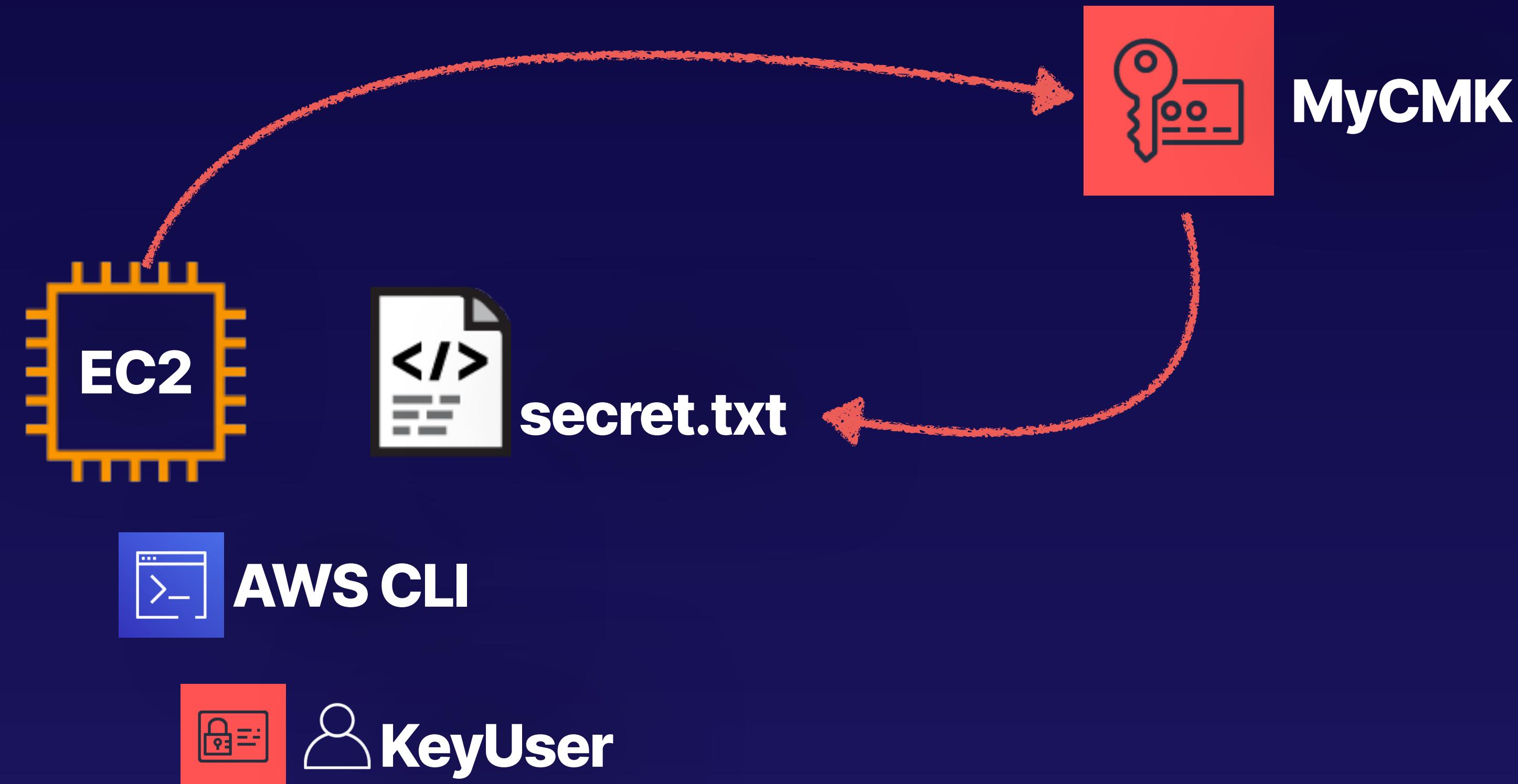
Understanding KMS API Calls - Demo



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TECHNICAL INSTRUCTOR

Architecture Overview



Exam Tips KMS API Calls



aws kms encrypt

Encrypts plaintext into ciphertext by using a customer master key.



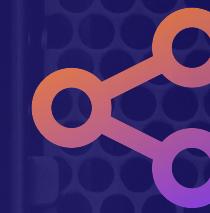
aws kms decrypt

Decrypts ciphertext that was encrypted by an AWS KMS customer master key (CMK).



aws kms re-encrypt

Decrypts ciphertext and then re-encrypts it entirely within AWS KMS (e.g. when you change the CMK or manually rotate the CMK).



aws kms enable-key-rotation

Enables automatic key rotation every 365 days.

Exam Tips KMS API Calls



aws kms generate-data-key

Uses the CMK to generate a data key to encrypt data > 4KB.