AWS Payment Cryptography Pricing

AWS Payment Cryptography pricing

With AWS Payment Cryptography, you only pay for what you use. There is no upfront commitment or minimum fee. There are two components that determine your bill: charges per API call initiated and the number of active keys (secrets used for cryptographic operations).

Active keys are any keys that have been created or imported into the service with a KeyState of CREATE_COMPLETE. Active keys are billed on a pro-rated basis in one hour increments.

Region:

Europe (London)

API Calls per month	Pricing
First 20 Million requests [0 - 20,000,000]	$2.00 per 10k API calls
Next 200 Million requests [20,000,001 - 220,000,000]	$0.75 per 10k API calls
Next 300 Million requests [220,000,001 - 520,000,000]	$0.25 per 10k API calls
Additional requests [520,000,001+]	$0.10 per 10k API calls
Resource	
First 500 keys [0-500]	$1.00 per active key
Next 500 Keys [501-1000]	$0.10 per active key
Next 50 Thousand Keys [1001-51,000]	$0.01 per active key
Additional keys [51,001+]	$0.001 per active key

Pricing examples

Example 1: Using AWS Payment Cryptography for low volumes of card transactions

You have an issuer processing application in US East (N. Virginia) that uses AWS Payment Cryptography as part of transaction authorization. You process 50,000 card transactions per month and each card transaction makes 2 API calls to AWS Payment Cryptography for a total of 100,000 API calls per month. These calls are made using a total of 10 active encryption keys. We calculate your cost per month as follows:

100,000 API calls at $2.00 per 10,000 API calls = $20.00

10 active keys at $1.00 per active key = $10.00

Total monthly cost = $30.00

Example 2: Using AWS Payment Cryptography for higher volumes of card transactions

You have a payment processing application in US West (Oregon) that uses AWS Payment Cryptography as part of transaction switching and routing. You process fifteen million card transactions per month and each card transaction makes two API calls to AWS Payment Cryptography for a total of thirty million API calls per month. These calls are made using a total of 20 active encryption keys. We calculate your cost per month as follows:

20,000,000 API calls at $2.00 per 10,000 API calls = $4,000.00

10,000,000 additional API calls at $0.75 per 10,000 API calls = $750.00

20 active keys at $1.00 per active key = $20.00

Total monthly cost = $4,770.00

Example 3: Using AWS Payment Cryptography in multiple Regions

You have a payment processing application in US East (Virginia) and US West (Oregon) that uses AWS Payment Cryptography as part of transaction switching and routing. You process 100 million card transactions per month and each card transaction makes two API calls to AWS Payment Cryptography for a total of 200 million API calls per month. 20 keys are used to handle this workload. This traffic is load balanced across each Region and multi-region keys are used to ensure that both Regions can handle the traffic. We calculate your cost per month as follows:

US-EAST-1

20,000,000 API calls at $2.00 per 10,000 API calls = $4,000.00

80,000,000 additional API calls at $0.75 per 10,000 API calls = $6,000.00

20 active keys at $1.00 per active key = $20.00

US-WEST-2

20,000,000 API calls at $2.00 per 10,000 API calls = $4,000.00

80,000,000 additional API calls at $0.75 per 10,000 API calls = $6,000.00

20 active keys at $1.00 per active key = $20.00

Total monthly cost = $20,040

How to get started

Guide

Explore the AWS Payment Cryptography Developer Guide

→

Console

Start building with AWS Payment Cryptography in the AWS Management Console

→

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