

Amazon Simple Queue Service

Amazon Simple Queue Service (SQS) is a managed message queuing service that enables you to decouple and scale microservices, distributed systems, and serverless applications. SQS reduces the complexity of managing and operating message-oriented middleware. SQS is designed so that you can send, store, and receive messages between software components at any volume, without losing messages or requiring other services to be available.

Benefits

Reduce administrative overhead

AWS manages ongoing operations and underlying infrastructure needed to provide an available and scalable message queuing service. With SQS, there is no need to acquire, install, and configure messaging software, and no build-out and maintenance of supporting infrastructure. SQS queues are designed to scale automatically so you can build and grow applications.

Deliver messages

Amazon SQS is designed to transmit any volume of data, at any level of throughput, without losing messages or requiring other services to be available. SQS lets you decouple application components so that they run and fail independently, increasing the overall fault tolerance of the system. Multiple copies of messages are stored redundantly across multiple availability zones so that they are available whenever needed.

Designed to help you secure data

You can use Amazon SQS to exchange sensitive data between applications using server-side encryption (SSE) to encrypt each message body. Amazon SQS SSE integration with AWS Key Management Service (KMS) allows you to manage the keys that protect SQS messages along with keys that protect your other AWS resources. AWS KMS logs use of your encryption keys to AWS CloudTrail.

Scale

Amazon SQS leverages the AWS cloud to scale based on demand. SQS is designed to scale with your application.

Additional Information

For additional information about service controls, security features and functionalities, including, as applicable, information about storing, retrieving, modifying, restricting, and deleting data, please see <https://docs.aws.amazon.com/index.html>. This additional information does not form part of the Documentation for purposes of the AWS Customer Agreement available at <http://aws.amazon.com/agreement>, or other agreement between you and AWS governing your use of AWS's services.