

AWS Application Integration Services

- The AWS application integration services are a family of services that enable decoupled communication between applications.

Amazon Simple Notification Service

- Amazon Simple Notification Service (Amazon SNS) is a web service that makes it easy to set up, operate, and send notifications from the cloud.
- Amazon SNS is used for building and integrating loosely-coupled, distributed applications.
- SNS provides instantaneous, push-based delivery (no polling).

Amazon Simple Queue Service (Amazon SQS)

- Amazon Simple Queue Service (SQS) is a distributed queue system.
- Amazon SQS enables you to send, store, and receive messages between software components.
- An Amazon SQS queue is a temporary repository for messages that are awaiting processing.
- The SQS queue acts as a buffer between the component producing and saving data, and the component receiving the data for processing.

Amazon Simple Workflow Service (Amazon SWF)

- Amazon Simple Workflow Service (SWF) is a web service that makes it easy to coordinate work across distributed application components.
- Amazon SWF is used for processing background jobs that have parallel or sequential steps.
- You can think of Amazon SWF as a fully managed state tracker and task coordinator.
- Use Amazon SWF if your app's steps take more than 500 milliseconds to complete, you need to track the state of processing, or you need to recover or retry if a task fails.

Amazon MQ

- Amazon MQ is a managed message broker service for ActiveMQ.
- Amazon MQ supports industry-standard APIs and protocols so you can migrate messaging and applications without rewriting code.
- Amazon MQ provides cost-efficient and flexible messaging capacity.

AWS Step Functions

- AWS Step Functions can be used to coordinate the components of distributed applications as a series of steps in a visual workflow.
- You can quickly build and run state machines to execute the steps of your application in a reliable and scalable fashion.