



AWS Event Driven Architecture *(mostly)*



Simple Storage Service (S3)

Object storage offered by AWS

- Bucket and object
- Versioning
- Lifecycle rules
- Storage classes
- Permissions



Lambda

Serverless Compute offering from AWS. Supports multiple runtimes and follows a pay as you go pricing model.

- Testing
- Monitoring and logging
- VPC network attachment
- AWS IAM integration



Lambda

- Environment variables
- Concurrency
 - Memory
 - Timeouts
 - Cold vs warm start
- Event driven triggers



API Gateway

Managed API service that supports multiple common connections, automatic scaling and integrates with other AWS services.

- Integrations (Lambda, VPC, etc.)
- Connections
 - HTTP
 - REST
 - Websocket



Simple Queue Service (SQS)

Fully managed message queuing for microservices, distributed systems, and serverless applications

- Standard Queues vs. FIFO Queues
- Message Ordering
- Visibility and timeouts



Simple Notification Service (SNS)

Facilitates communication between services (HTTP/S, Email, SMS, Lambda, SQS, etc.)

- Pub/Sub messaging
- Topics and subscriptions
- Supported delivery protocols



EventBridge

Serverless event bus that can connect different services together

- Rules
- Targets
- Triggers
 - Cron
 - AWS Events



Questions