

# Developing on AWS

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## Agenda

Developing on AWS		
Day 01		
01	AWS 소개	EC2, ELB, EC2 Auto Scaling
02	Developing on AWS 소개	Cloud 9, X-Ray, CloudWatch, CloudTrail
03	AWS Identity and Access Management(IAM)	IAM
04	실습 환경 소개	
LAB 01	제자리에, 준비, 시작!	IAM
05	Amazon S3로 스토리지 솔루션 개발	S3
LAB 02	Amazon S3로 스토리지 솔루션 개발	S3
Day 02		
06	Amazon DynamoDB로 유연한 NoSQL 솔루션 개발	DynamoDB
LAB 03	Amazon DynamoDB로 유연한 NoSQL 솔루션 개발	DynamoDB
07	AWS Lambda로 솔루션 개발	Lambda
08	Amazon API Gateway로 솔루션 개발	API Gateway
LAB 04	AWS Lambda로 이벤트 중심의 솔루션 개발	Lambda
Day 03		
09	AWS Step Functions로 솔루션 개발	Step Functions
10	Amazon SQS 및 Amazon SNS로 솔루션 개발	SQS, SNS
11	Amazon ElastiCache로 정보 캐싱	ElastiCache
LAB 05	Amazon SQS 및 SNS로 메시징 솔루션 개발	SQS, SNS
12	안전한 애플리케이션 개발	STS, Cognito
13	애플리케이션 배포	CodeCommit, CodeBuild, CodeDeploy, CodePipeline, Elastic Beanstalk
LAB 06	엔드투엔드 애플리케이션 빌드	Cognito, DynamoDB, Lambda, API Gateway

## 참고 사이트

- Developing on AWS - LAB Guide
  - <http://bit.ly/Devlabs> - LAB 6
- Developing on AWS - Solutions
  - <https://go.aws/2LNzhoF>
- AWS 설명서
  - [https://docs.aws.amazon.com/ko\\_kr/index.html](https://docs.aws.amazon.com/ko_kr/index.html)
- AWS Workshop
  - <https://workshops.aws/>
- AWS Youtube
  - <https://www.youtube.com/channel/UCM9urpxJaoPf-j1cV9pGszg>
- AWS Slideshare
  - <https://www.slideshare.net/awskorea>
- AWS Digital Course
  - [https://www.aws.training/LearningLibrary?query=&filters=Language%3A1&from=0&size=15&sort=\\_score](https://www.aws.training/LearningLibrary?query=&filters=Language%3A1&from=0&size=15&sort=_score)

- AWS Blogs
  - <https://aws.amazon.com/blogs/>

## Day 01

### 1. GLOBAL INFRASTRUCTURE

- Global Infrastructure
  - <https://aws.amazon.com/ko/about-aws/global-infrastructure/>
- AWS 리전 서비스 목록
  - <https://aws.amazon.com/ko/about-aws/global-infrastructure/regional-product-services/?p=ngi&loc=4>

### 2. EC2

- EC2 인스턴스 연결
  - [https://docs.aws.amazon.com/ko\\_kr/AWSEC2/latest/UserGuide/AccessingInstances.html](https://docs.aws.amazon.com/ko_kr/AWSEC2/latest/UserGuide/AccessingInstances.html)
- 인스턴스 유형
  - <https://aws.amazon.com/ko/ec2/instance-types/>
- 인스턴스 메타데이터
  - [https://docs.aws.amazon.com/ko\\_kr/AWSEC2/latest/UserGuide/configuring-instance-metadata-service.html](https://docs.aws.amazon.com/ko_kr/AWSEC2/latest/UserGuide/configuring-instance-metadata-service.html)

### 3. AWS CLI

- AWS CLI
  - <https://aws.amazon.com/ko/cli/>
- CLI References
  - <https://docs.aws.amazon.com/cli/latest/reference/>

### 4. AWS SDK

- AWS에서의 구축을 위한 도구
  - <https://aws.amazon.com/ko/tools/>
- 개발 언어 또는 플랫폼
  - <https://aws.amazon.com/ko/getting-started/tools-sdks/>

### 5. CLOUD 9

- IDE
  - [https://docs.aws.amazon.com/ko\\_kr/cloud9/latest/user-guide/ide.html](https://docs.aws.amazon.com/ko_kr/cloud9/latest/user-guide/ide.html)
- CodeCommit 사용
  - [https://docs.aws.amazon.com/ko\\_kr/cloud9/latest/user-guide/sample-codecommit.html](https://docs.aws.amazon.com/ko_kr/cloud9/latest/user-guide/sample-codecommit.html)

### 6. X-RAY

- 개념
  - [https://docs.aws.amazon.com/ko\\_kr/xray/latest/devguide/aws-xray.html](https://docs.aws.amazon.com/ko_kr/xray/latest/devguide/aws-xray.html)

- 관련 용어
  - [https://docs.aws.amazon.com/ko\\_kr/xray/latest/devguide/xray-concepts.html](https://docs.aws.amazon.com/ko_kr/xray/latest/devguide/xray-concepts.html)
- 데몬
  - [https://docs.aws.amazon.com/ko\\_kr/xray/latest/devguide/xray-daemon.html](https://docs.aws.amazon.com/ko_kr/xray/latest/devguide/xray-daemon.html)

## 7. CLOUDWATCH

- CloudWatch 개념
  - [https://docs.aws.amazon.com/ko\\_kr/AmazonCloudWatch/latest/monitoring/cloudwatch\\_concepts.html](https://docs.aws.amazon.com/ko_kr/AmazonCloudWatch/latest/monitoring/cloudwatch_concepts.html)
- CloudWatch Agent
  - [https://docs.aws.amazon.com/ko\\_kr/AmazonCloudWatch/latest/monitoring/install-CloudWatch-Agent-on-EC2-Instance.html](https://docs.aws.amazon.com/ko_kr/AmazonCloudWatch/latest/monitoring/install-CloudWatch-Agent-on-EC2-Instance.html)
- CloudWatch Logs
  - [https://docs.aws.amazon.com/ko\\_kr/AmazonCloudWatch/latest/events/WhatIsCloudWatchEvents.html](https://docs.aws.amazon.com/ko_kr/AmazonCloudWatch/latest/events/WhatIsCloudWatchEvents.html)
- CloudWatch Events
  - [https://docs.aws.amazon.com/ko\\_kr/AmazonCloudWatch/latest/events/WhatIsCloudWatchEvents.html](https://docs.aws.amazon.com/ko_kr/AmazonCloudWatch/latest/events/WhatIsCloudWatchEvents.html)

## 8. CLOUDTRAIL

- 개념
  - [https://docs.aws.amazon.com/ko\\_kr/awscloudtrail/latest/userguide/cloudtrail-concepts.html#cloudtrail-concepts-events](https://docs.aws.amazon.com/ko_kr/awscloudtrail/latest/userguide/cloudtrail-concepts.html#cloudtrail-concepts-events)
- 이벤트 기록 보기
  - [https://docs.aws.amazon.com/ko\\_kr/awscloudtrail/latest/userguide/view-cloudtrail-events.html](https://docs.aws.amazon.com/ko_kr/awscloudtrail/latest/userguide/view-cloudtrail-events.html)
- 로그 이벤트 참조 - JSON
  - [https://docs.aws.amazon.com/ko\\_kr/awscloudtrail/latest/userguide/cloudtrail-event-reference.html](https://docs.aws.amazon.com/ko_kr/awscloudtrail/latest/userguide/cloudtrail-event-reference.html)
- 추적 생성
  - [https://docs.aws.amazon.com/ko\\_kr/awscloudtrail/latest/userguide/cloudtrail-create-a-trail-using-the-console-first-time.html](https://docs.aws.amazon.com/ko_kr/awscloudtrail/latest/userguide/cloudtrail-create-a-trail-using-the-console-first-time.html)
- CloudTrail에 의해 캡처된 비 API 이벤트
  - [https://docs.aws.amazon.com/ko\\_kr/awscloudtrail/latest/userguide/cloudtrail-non-api-events.html](https://docs.aws.amazon.com/ko_kr/awscloudtrail/latest/userguide/cloudtrail-non-api-events.html)

## 9. IAM

- 작동 방식
  - [https://docs.aws.amazon.com/ko\\_kr/IAM/latest/UserGuide/intro-structure.html](https://docs.aws.amazon.com/ko_kr/IAM/latest/UserGuide/intro-structure.html)
- AWS 사용자
  - [https://docs.aws.amazon.com/ko\\_kr/IAM/latest/UserGuide/introduction\\_identity-management.html](https://docs.aws.amazon.com/ko_kr/IAM/latest/UserGuide/introduction_identity-management.html)
- AWS 권한 및 정책
  - [https://docs.aws.amazon.com/ko\\_kr/IAM/latest/UserGuide/introduction\\_access-management.html](https://docs.aws.amazon.com/ko_kr/IAM/latest/UserGuide/introduction_access-management.html)
- AWS에 로그인
  - [https://docs.aws.amazon.com/ko\\_kr/IAM/latest/UserGuide/console.html](https://docs.aws.amazon.com/ko_kr/IAM/latest/UserGuide/console.html)
- IAM 정책 및 권한
  - [https://docs.aws.amazon.com/ko\\_kr/IAM/latest/UserGuide/access\\_policies.html](https://docs.aws.amazon.com/ko_kr/IAM/latest/UserGuide/access_policies.html)

- ARN
  - [https://docs.aws.amazon.com/ko\\_kr/general/latest/gr/aws-arns-and-namespaces.html](https://docs.aws.amazon.com/ko_kr/general/latest/gr/aws-arns-and-namespaces.html)
- 조건키
  - [https://docs.aws.amazon.com/ko\\_kr/IAM/latest/UserGuide/reference\\_policies\\_condition-keys.html](https://docs.aws.amazon.com/ko_kr/IAM/latest/UserGuide/reference_policies_condition-keys.html)
- IAM 역할
  - [https://docs.aws.amazon.com/ko\\_kr/IAM/latest/UserGuide/id\\_roles.html](https://docs.aws.amazon.com/ko_kr/IAM/latest/UserGuide/id_roles.html)
- EC2 인스턴스 프로파일
  - [https://docs.aws.amazon.com/ko\\_kr/IAM/latest/UserGuide/id\\_roles\\_use\\_switch-role-ec2.html](https://docs.aws.amazon.com/ko_kr/IAM/latest/UserGuide/id_roles_use_switch-role-ec2.html)
- Security Token Service API Reference
  - [https://docs.aws.amazon.com/ko\\_kr/STS/latest/APIReference/welcome.html](https://docs.aws.amazon.com/ko_kr/STS/latest/APIReference/welcome.html)

## 10. S3

- 버킷 이름 지정 규칙
  - [https://docs.aws.amazon.com/ko\\_kr/AmazonS3/latest/userguide/bucketnamingrules.html](https://docs.aws.amazon.com/ko_kr/AmazonS3/latest/userguide/bucketnamingrules.html)
- 버전 관리
  - [https://docs.aws.amazon.com/ko\\_kr/AmazonS3/latest/userguide/Versioning.html](https://docs.aws.amazon.com/ko_kr/AmazonS3/latest/userguide/Versioning.html)
- Access Point
  - [https://docs.aws.amazon.com/ko\\_kr/AmazonS3/latest/userguide/access-points.html](https://docs.aws.amazon.com/ko_kr/AmazonS3/latest/userguide/access-points.html)
- 정적 웹 사이트 호스팅
  - [https://docs.aws.amazon.com/ko\\_kr/AmazonS3/latest/userguide/WebsiteHosting.html](https://docs.aws.amazon.com/ko_kr/AmazonS3/latest/userguide/WebsiteHosting.html)
- 멀티 파트 업로드
  - [https://docs.aws.amazon.com/ko\\_kr/AmazonS3/latest/userguide/mpuoverview.html](https://docs.aws.amazon.com/ko_kr/AmazonS3/latest/userguide/mpuoverview.html)
- Storage Class
  - [https://docs.aws.amazon.com/ko\\_kr/AmazonS3/latest/userguide/storage-class-intro.html](https://docs.aws.amazon.com/ko_kr/AmazonS3/latest/userguide/storage-class-intro.html)
- 스토리지 수명 주기 관리
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- 미리 서명된 URL
  - [https://docs.aws.amazon.com/ko\\_kr/AmazonS3/latest/userguide/using-presigned-url.html](https://docs.aws.amazon.com/ko_kr/AmazonS3/latest/userguide/using-presigned-url.html)
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  - [https://docs.aws.amazon.com/ko\\_kr/AmazonS3/latest/userguide/developing-s3.html](https://docs.aws.amazon.com/ko_kr/AmazonS3/latest/userguide/developing-s3.html)

## Day 02

### 1. DYNAMODB

- 핵심 구성 요소
  - [https://docs.aws.amazon.com/ko\\_kr/amazondynamodb/latest/developerguide/HowItWorks.CoreComponents.html](https://docs.aws.amazon.com/ko_kr/amazondynamodb/latest/developerguide/HowItWorks.CoreComponents.html)
- 파티션 키 및 정렬 키
  - [https://docs.aws.amazon.com/ko\\_kr/amazondynamodb/latest/developerguide/HowItWorks.Partitions.html](https://docs.aws.amazon.com/ko_kr/amazondynamodb/latest/developerguide/HowItWorks.Partitions.html)
- 읽기 일관성
  - [https://docs.aws.amazon.com/ko\\_kr/amazondynamodb/latest/developerguide/HowItWorks.ReadConsistency.html](https://docs.aws.amazon.com/ko_kr/amazondynamodb/latest/developerguide/HowItWorks.ReadConsistency.html)

- 읽기/쓰기 용량 모드
  - [https://docs.aws.amazon.com/ko\\_kr/amazondynamodb/latest/developerguide/HowItWorks.ReadWriteCapacityMode.html](https://docs.aws.amazon.com/ko_kr/amazondynamodb/latest/developerguide/HowItWorks.ReadWriteCapacityMode.html)
- 글로벌 테이블
  - [https://docs.aws.amazon.com/ko\\_kr/amazondynamodb/latest/developerguide/GlobalTables.html](https://docs.aws.amazon.com/ko_kr/amazondynamodb/latest/developerguide/GlobalTables.html)
- 인덱스 작업
  - [https://docs.aws.amazon.com/ko\\_kr/amazondynamodb/latest/developerguide/SecondaryIndexes.html](https://docs.aws.amazon.com/ko_kr/amazondynamodb/latest/developerguide/SecondaryIndexes.html)
- 트랜잭션 작업
  - [https://docs.aws.amazon.com/ko\\_kr/amazondynamodb/latest/developerguide/transactions.html](https://docs.aws.amazon.com/ko_kr/amazondynamodb/latest/developerguide/transactions.html)
- DynamoDB API
  - [https://docs.aws.amazon.com/ko\\_kr/amazondynamodb/latest/developerguide/DynamoDB\\_API.html](https://docs.aws.amazon.com/ko_kr/amazondynamodb/latest/developerguide/DynamoDB_API.html)
- PartiQL
  - [https://docs.aws.amazon.com/ko\\_kr/amazondynamodb/latest/developerguide/ql-reference.html](https://docs.aws.amazon.com/ko_kr/amazondynamodb/latest/developerguide/ql-reference.html)
- DynamoDB Quotas
  - [https://docs.aws.amazon.com/ko\\_kr/amazondynamodb/latest/developerguide/Limits.html](https://docs.aws.amazon.com/ko_kr/amazondynamodb/latest/developerguide/Limits.html)
- DynamoDB를 사용한 프로그래밍
  - [https://docs.aws.amazon.com/ko\\_kr/amazondynamodb/latest/developerguide/Programming.html](https://docs.aws.amazon.com/ko_kr/amazondynamodb/latest/developerguide/Programming.html)

## 2. LAMBDA

- Lambda 개념
  - [https://docs.aws.amazon.com/ko\\_kr/lambda/latest/dg/gettingstarted-concepts.html](https://docs.aws.amazon.com/ko_kr/lambda/latest/dg/gettingstarted-concepts.html)
- Lambda 기능
  - [https://docs.aws.amazon.com/ko\\_kr/lambda/latest/dg/gettingstarted-features.html](https://docs.aws.amazon.com/ko_kr/lambda/latest/dg/gettingstarted-features.html)
- Lambda 런타임
  - [https://docs.aws.amazon.com/ko\\_kr/lambda/latest/dg/lambda-runtimes.html](https://docs.aws.amazon.com/ko_kr/lambda/latest/dg/lambda-runtimes.html)
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  - [https://docs.aws.amazon.com/ko\\_kr/lambda/latest/dg/runtimes-context.html](https://docs.aws.amazon.com/ko_kr/lambda/latest/dg/runtimes-context.html)
- Lambda 격리 모델
  - [https://docs.aws.amazon.com/ko\\_kr/lambda/latest/operatorguide/execution-environment.html](https://docs.aws.amazon.com/ko_kr/lambda/latest/operatorguide/execution-environment.html)
- 함수 호출 방식
  - [https://docs.aws.amazon.com/ko\\_kr/lambda/latest/dg/lambda-invocation.html](https://docs.aws.amazon.com/ko_kr/lambda/latest/dg/lambda-invocation.html)
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  - [https://docs.aws.amazon.com/ko\\_kr/lambda/latest/dg/gettingstarted-limits.html](https://docs.aws.amazon.com/ko_kr/lambda/latest/dg/gettingstarted-limits.html)
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  - [https://docs.aws.amazon.com/ko\\_kr/lambda/latest/dg/lambda-csharp.html](https://docs.aws.amazon.com/ko_kr/lambda/latest/dg/lambda-csharp.html)
- Java를 사용한 Lambda 함수 빌드
  - [https://docs.aws.amazon.com/ko\\_kr/lambda/latest/dg/lambda-java.html](https://docs.aws.amazon.com/ko_kr/lambda/latest/dg/lambda-java.html)
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  - [https://docs.aws.amazon.com/ko\\_kr/lambda/latest/dg/lambda-python.html](https://docs.aws.amazon.com/ko_kr/lambda/latest/dg/lambda-python.html)
- SAM(Serverless Application Model)
  - [https://docs.aws.amazon.com/ko\\_kr/serverless-application-model/latest/developerguide/what-is-sam.html](https://docs.aws.amazon.com/ko_kr/serverless-application-model/latest/developerguide/what-is-sam.html)

### 3. API GATEWAY

- HTTP API
  - <https://aws.amazon.com/ko/blogs/korea/building-better-apis-http-apis-now-generally-available/>
- HTTP API vs REST API
  - [https://docs.aws.amazon.com/ko\\_kr/apigateway/latest/developerguide/http-api-vs-rest.html](https://docs.aws.amazon.com/ko_kr/apigateway/latest/developerguide/http-api-vs-rest.html)
- REST API 엔드포인트 유형
  - [https://docs.aws.amazon.com/ko\\_kr/apigateway/latest/developerguide/api-gateway-api-endpoint-types.html](https://docs.aws.amazon.com/ko_kr/apigateway/latest/developerguide/api-gateway-api-endpoint-types.html)
- REST API 액세스 제어
  - [https://docs.aws.amazon.com/ko\\_kr/apigateway/latest/developerguide/apigateway-control-access-to-api.html](https://docs.aws.amazon.com/ko_kr/apigateway/latest/developerguide/apigateway-control-access-to-api.html)
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  - [https://docs.aws.amazon.com/ko\\_kr/apigateway/latest/developerguide/how-to-cors.html](https://docs.aws.amazon.com/ko_kr/apigateway/latest/developerguide/how-to-cors.html)
- REST API 배포
  - [https://docs.aws.amazon.com/ko\\_kr/apigateway/latest/developerguide/how-to-deploy-api.html](https://docs.aws.amazon.com/ko_kr/apigateway/latest/developerguide/how-to-deploy-api.html)
- 응답성 향상을 위한 API 캐싱 활성화
  - [https://docs.aws.amazon.com/ko\\_kr/apigateway/latest/developerguide/api-gateway-caching.html](https://docs.aws.amazon.com/ko_kr/apigateway/latest/developerguide/api-gateway-caching.html)
- AWS WAF를 사용하여 API 보호
  - [https://docs.aws.amazon.com/ko\\_kr/apigateway/latest/developerguide/apigateway-control-access-aws-waf.html](https://docs.aws.amazon.com/ko_kr/apigateway/latest/developerguide/apigateway-control-access-aws-waf.html)
- 처리량 향상을 위해 API 요청 조절
  - [https://docs.aws.amazon.com/ko\\_kr/apigateway/latest/developerguide/api-gateway-request-throttling.html](https://docs.aws.amazon.com/ko_kr/apigateway/latest/developerguide/api-gateway-request-throttling.html)

## Day 03

### 1. STEP FUNCTIONS

- 사용 사례
  - [https://docs.aws.amazon.com/ko\\_kr/step-functions/latest/dg/welcome.html](https://docs.aws.amazon.com/ko_kr/step-functions/latest/dg/welcome.html)
- States
  - [https://docs.aws.amazon.com/ko\\_kr/step-functions/latest/dg/concepts-states.html](https://docs.aws.amazon.com/ko_kr/step-functions/latest/dg/concepts-states.html)
- Transitions
  - [https://docs.aws.amazon.com/ko\\_kr/step-functions/latest/dg/concepts-transitions.html](https://docs.aws.amazon.com/ko_kr/step-functions/latest/dg/concepts-transitions.html)
- ASL(Amazon State Language)
  - [https://docs.aws.amazon.com/ko\\_kr/step-functions/latest/dg/concepts-amazon-states-language.html](https://docs.aws.amazon.com/ko_kr/step-functions/latest/dg/concepts-amazon-states-language.html)
- 입출력 처리
  - [https://docs.aws.amazon.com/ko\\_kr/step-functions/latest/dg/concepts-input-output-filtering.html](https://docs.aws.amazon.com/ko_kr/step-functions/latest/dg/concepts-input-output-filtering.html)
- 샘플 프로젝트
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- AWS Step Functions Workflow Studio – 상태 머신 구축을 위한 시각적 도구 출시
  - <https://aws.amazon.com/ko/blogs/korea/new-aws-step-functions-workflow-studio-a-low-code-visual-tool-for-building-state-machines/>

### 2. SQS

- 대기열 유형
  - [https://docs.aws.amazon.com/ko\\_kr/AWSSimpleQueueService/latest/SQSDeveloperGuide/welcome.html](https://docs.aws.amazon.com/ko_kr/AWSSimpleQueueService/latest/SQSDeveloperGuide/welcome.html)
- 아키텍처
  - [https://docs.aws.amazon.com/ko\\_kr/AWSSimpleQueueService/latest/SQSDeveloperGuide/sqs-basic-architecture.html](https://docs.aws.amazon.com/ko_kr/AWSSimpleQueueService/latest/SQSDeveloperGuide/sqs-basic-architecture.html)
- 짧은 폴링과 긴 폴링
  - [https://docs.aws.amazon.com/ko\\_kr/AWSSimpleQueueService/latest/SQSDeveloperGuide/sqs-short-and-long-polling.html](https://docs.aws.amazon.com/ko_kr/AWSSimpleQueueService/latest/SQSDeveloperGuide/sqs-short-and-long-polling.html)
- 배달 못한 편지 대기열(Dead Letter Queue)
  - [https://docs.aws.amazon.com/ko\\_kr/AWSSimpleQueueService/latest/SQSDeveloperGuide/sqs-dead-letter-queues.html](https://docs.aws.amazon.com/ko_kr/AWSSimpleQueueService/latest/SQSDeveloperGuide/sqs-dead-letter-queues.html)
- 가시성 제한 시간
  - [https://docs.aws.amazon.com/ko\\_kr/AWSSimpleQueueService/latest/SQSDeveloperGuide/sqs-visibility-timeout.html](https://docs.aws.amazon.com/ko_kr/AWSSimpleQueueService/latest/SQSDeveloperGuide/sqs-visibility-timeout.html)
- SQS API 작업
  - [https://docs.aws.amazon.com/ko\\_kr/AWSSimpleQueueService/latest/SQSDeveloperGuide/sqs-working-with-apis.html](https://docs.aws.amazon.com/ko_kr/AWSSimpleQueueService/latest/SQSDeveloperGuide/sqs-working-with-apis.html)

### 3. SNS

- 개념
  - [https://docs.aws.amazon.com/ko\\_kr/sns/latest/dg/welcome.html](https://docs.aws.amazon.com/ko_kr/sns/latest/dg/welcome.html)
- 메시지 필터링
  - [https://docs.aws.amazon.com/ko\\_kr/sns/latest/dg/sns-message-filtering.html](https://docs.aws.amazon.com/ko_kr/sns/latest/dg/sns-message-filtering.html)
- 배달 못한 편지 대기열(DLQ)
  - [https://docs.aws.amazon.com/ko\\_kr/sns/latest/dg/sns-dead-letter-queues.html](https://docs.aws.amazon.com/ko_kr/sns/latest/dg/sns-dead-letter-queues.html)
- 전송 로그
  - <https://aws.amazon.com/ko/premiumsupport/knowledge-center/monitor-sns-texts-cloudwatch/>
- 코드 예제
  - [https://docs.aws.amazon.com/ko\\_kr/sns/latest/dg/service\\_code\\_examples.html](https://docs.aws.amazon.com/ko_kr/sns/latest/dg/service_code_examples.html)

### 4. ELASTICACHE

- ElastiCache for Memcached 구성요소
  - [https://docs.aws.amazon.com/ko\\_kr/AmazonElastiCache/latest/mem-ug/WhatIs.Components.html](https://docs.aws.amazon.com/ko_kr/AmazonElastiCache/latest/mem-ug/WhatIs.Components.html)
- ElastiCache for Redis 구성요소
  - [https://docs.aws.amazon.com/ko\\_kr/AmazonElastiCache/latest/red-ug/WhatIs.Components.html](https://docs.aws.amazon.com/ko_kr/AmazonElastiCache/latest/red-ug/WhatIs.Components.html)
- 캐싱 전략
  - [https://docs.aws.amazon.com/ko\\_kr/AmazonElastiCache/latest/red-ug/Strategies.html](https://docs.aws.amazon.com/ko_kr/AmazonElastiCache/latest/red-ug/Strategies.html)
- 캐싱 전략
  - [https://docs.aws.amazon.com/ko\\_kr/AmazonElastiCache/latest/mem-ug/Strategies.html](https://docs.aws.amazon.com/ko_kr/AmazonElastiCache/latest/mem-ug/Strategies.html)

### 5. ACM

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- 개념

- [https://docs.aws.amazon.com/ko\\_kr/acm/latest/userguide/acm-concepts.html](https://docs.aws.amazon.com/ko_kr/acm/latest/userguide/acm-concepts.html)

- 요금

- <https://aws.amazon.com/ko/certificate-manager/pricing/>

## 6. COGNITO

- 개념

- [https://docs.aws.amazon.com/ko\\_kr/cognito/latest/developerguide/what-is-amazon-cognito.html](https://docs.aws.amazon.com/ko_kr/cognito/latest/developerguide/what-is-amazon-cognito.html)

- 사용자풀

- [https://docs.aws.amazon.com/ko\\_kr/cognito/latest/developerguide/cognito-user-identity-pools.html](https://docs.aws.amazon.com/ko_kr/cognito/latest/developerguide/cognito-user-identity-pools.html)

- Lambda 트리거

- [https://docs.aws.amazon.com/ko\\_kr/cognito/latest/developerguide/cognito-user-identity-pools-working-with-aws-lambda-triggers.html](https://docs.aws.amazon.com/ko_kr/cognito/latest/developerguide/cognito-user-identity-pools-working-with-aws-lambda-triggers.html)

- 자격증명 풀

- [https://docs.aws.amazon.com/ko\\_kr/cognito/latest/developerguide/cognito-identity.html](https://docs.aws.amazon.com/ko_kr/cognito/latest/developerguide/cognito-identity.html)

## 7. CODECOMMIT

- 개념

- [https://docs.aws.amazon.com/ko\\_kr/codecommit/latest/userguide/welcome.html](https://docs.aws.amazon.com/ko_kr/codecommit/latest/userguide/welcome.html)

- CodeCommit 인증 방법

- [https://docs.aws.amazon.com/ko\\_kr/codecommit/latest/userguide/setting-up.html](https://docs.aws.amazon.com/ko_kr/codecommit/latest/userguide/setting-up.html)

## 8. CODEBUILD

- 빌드 환경

- [https://docs.aws.amazon.com/ko\\_kr/codebuild/latest/userguide/build-env-ref.html](https://docs.aws.amazon.com/ko_kr/codebuild/latest/userguide/build-env-ref.html)

- buildspec

- [https://docs.aws.amazon.com/ko\\_kr/codebuild/latest/userguide/build-spec-ref.html](https://docs.aws.amazon.com/ko_kr/codebuild/latest/userguide/build-spec-ref.html)

- 테스트 보고서

- [https://docs.aws.amazon.com/ko\\_kr/codebuild/latest/userguide/test-reporting.html](https://docs.aws.amazon.com/ko_kr/codebuild/latest/userguide/test-reporting.html)

## 9. CODEDEPLOY

- 컴퓨팅 플랫폼

- [https://docs.aws.amazon.com/ko\\_kr/codedeploy/latest/userguide/welcome.html#compute-platform](https://docs.aws.amazon.com/ko_kr/codedeploy/latest/userguide/welcome.html#compute-platform)

- Agent 설치

- [https://docs.aws.amazon.com/ko\\_kr/codedeploy/latest/userguide/codedeploy-agent-operations-install.html](https://docs.aws.amazon.com/ko_kr/codedeploy/latest/userguide/codedeploy-agent-operations-install.html)

- AppSpec 파일

- [https://docs.aws.amazon.com/ko\\_kr/codedeploy/latest/userguide/application-revisions-appspec-file.html](https://docs.aws.amazon.com/ko_kr/codedeploy/latest/userguide/application-revisions-appspec-file.html)

## 10. CODEPIPELINE

- 작업 유형 및 공급자

- [https://docs.aws.amazon.com/ko\\_kr/codepipeline/latest/userguide/reference-pipeline-structure.html](https://docs.aws.amazon.com/ko_kr/codepipeline/latest/userguide/reference-pipeline-structure.html)



## 참고 동영상

- AWS IAM과 친해지기 (레벨 200) – 조이정:: AWS Builders Online Series
  - [https://www.youtube.com/watch?v=zIZ6\\_tYujts](https://www.youtube.com/watch?v=zIZ6_tYujts)
- IAM 정책을 잘 알아야 AWS 보안도 쉬워진다. 이것은 꼭 알고 가자! - 신은수 솔루션즈 아키텍트(AWS)
  - <https://www.youtube.com/watch?v=iPKaylieTV8>
- S3, 넌 이것까지 할 수있네 (Amazon S3 신규 기능 소개) - 김세준, AWS 솔루션즈 아키텍트:: AWS Summit Online Korea 2020
  - <https://www.youtube.com/watch?v=U3vSKefs75c>.
- DynamoDB를 게임에서 사용하기 – 김성수, 박경표, AWS 솔루션즈 아키텍트:: AWS Summit Online Korea 2020
  - [https://www.youtube.com/watch?v=AIDhGn\\_-OCE](https://www.youtube.com/watch?v=AIDhGn_-OCE)
- AWS Lambda 컨테이너 이미지 서비스 활용하기 – 김태수:: AWS Builders Online Series
  - <https://www.youtube.com/watch?v=tTg9Lp7Sqok>
- AWS Lambda 내부 동작 방식 및 활용 방법 자세히 살펴보기- 김일호 솔루션즈 아키텍트 매니저(AWS)
  - <https://www.youtube.com/watch?v=0PRjqEQ2J3g>
- AWS Step Functions을 통한 마이크로서비스 오케스트레이션 - 강세용:: AWS 현대적 애플리케이션 개발
  - <https://www.youtube.com/watch?v=sRXvADi4hmw>
- Serverless 개발에서의 인증 완벽 가이드 - 박선용 솔루션즈 아키텍트(AWS)
  - <https://www.youtube.com/watch?v=E9ilZ65cRug>
- AWS Innovate 2018 | 다양한 배포 기법과 AWS에서 구축하는 CI/CD 파이프라인 | 안효빈 솔루션즈 아키텍트, AWS
  - <https://www.youtube.com/watch?v=T5SylGKZ0x4>
- 옵저버빌리티(Observability) 확보로 서버리스 마이크로서비스 들여다보기-김형일, 솔루션즈 아키텍트, AWS::AWS Summit Online Korea 2021
  - <https://www.youtube.com/watch?v=8Sa5dMMQu0k&list=PLORxAVAC5fUW7yw8e0olxfj11Qv010Jz-&index=42>

## Workshop

- **AWS GENERAL IMMERSION DAY**
  - <https://kr-id-general.workshop.aws/ko/>
- **AWS CLOUDFORMATION WORKSHOP**
  - <https://cfn101.workshop.aws/>
- **IAM Workshop**
  - <https://whchoi98.gitbook.io/aws-iam/>
- **AMAZON DYNAMODB LABS**
  - <https://amazon-dynamodb-labs.com/index.html>
- **Observability Workshop**
  - <https://observability.workshop.aws/en/>
- **CodeGuru Workshop**
  - <https://codequality.workshop.aws/en/>
- **AWS CI/CD WORKSHOP**

- <https://aws-ci-cd.workshop.aws/>
- **CI/CD WORKSHOP FOR AMAZON ECS**
  - <https://cicd-for-ecs.workshop.aws/en/1-introduction.html>