

Hello, AWS!

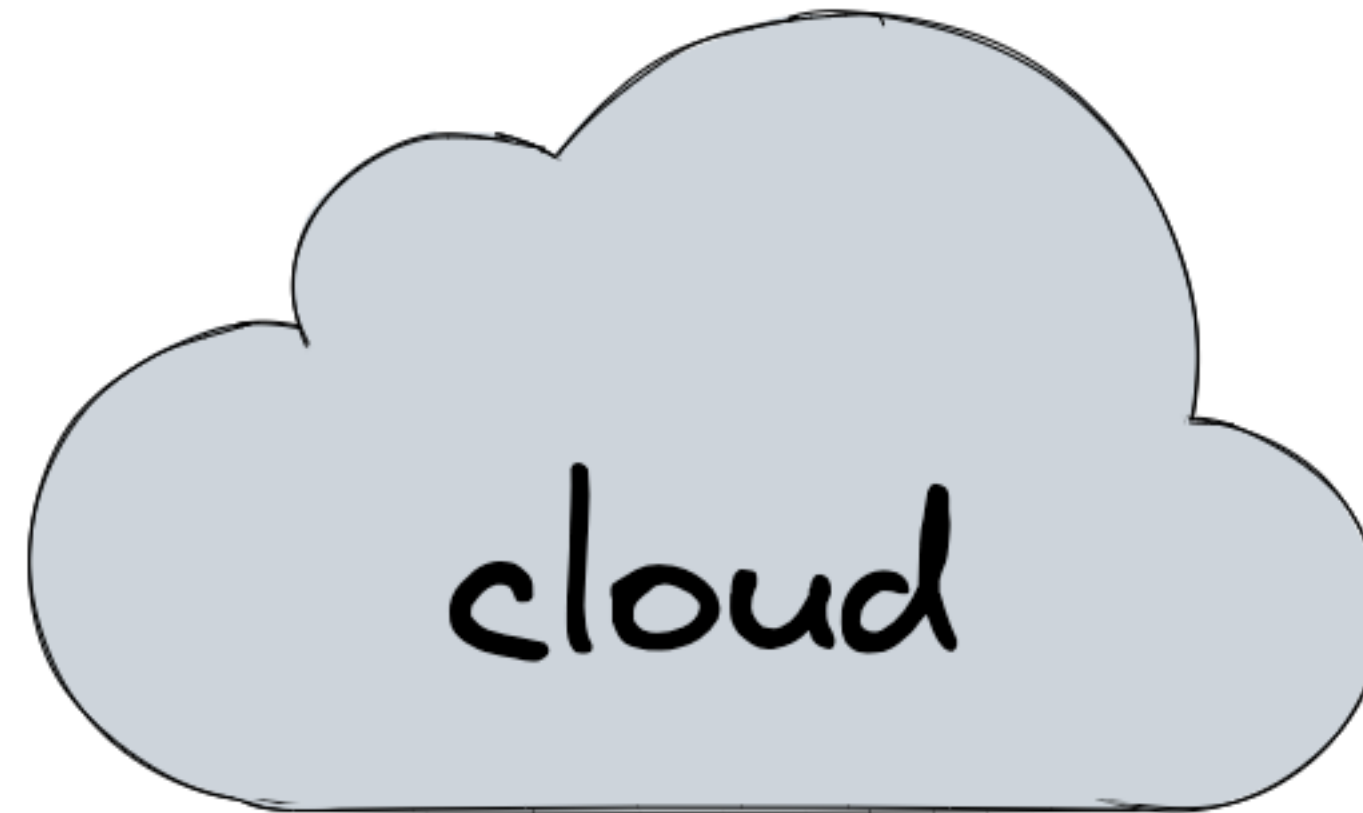
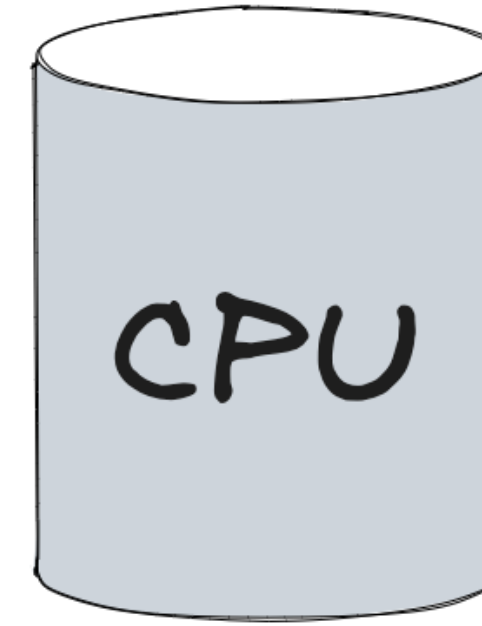
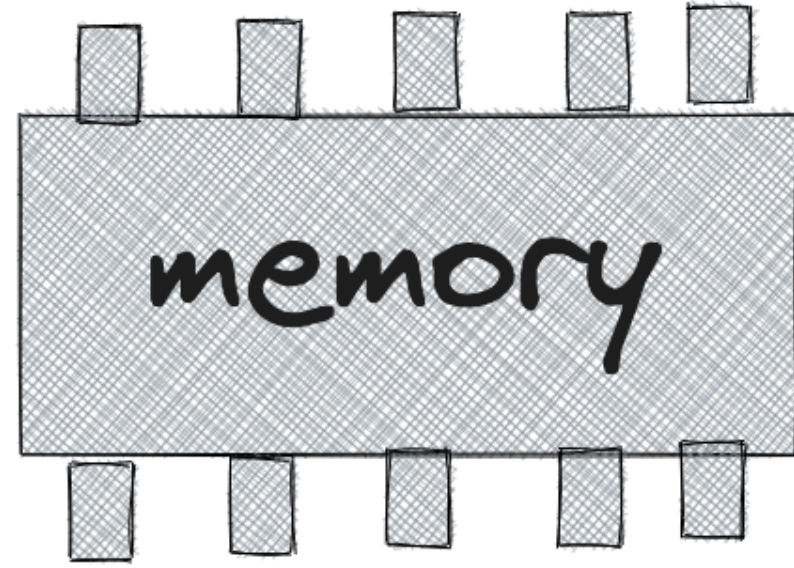
클라우드 컴퓨팅과 AWS의 주요 기능

DDWU Cloud Study

김유빈

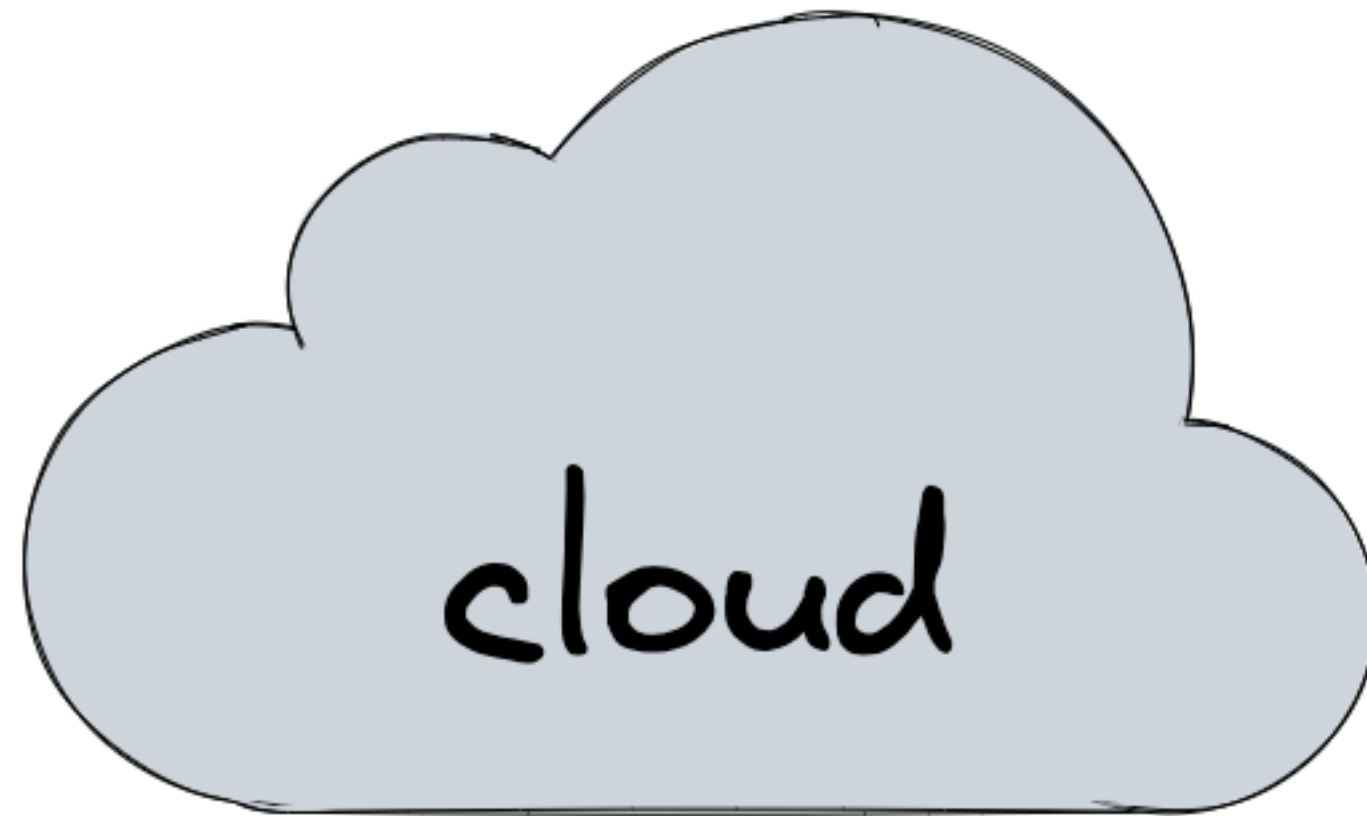
Cloud

클라우드



Cloud

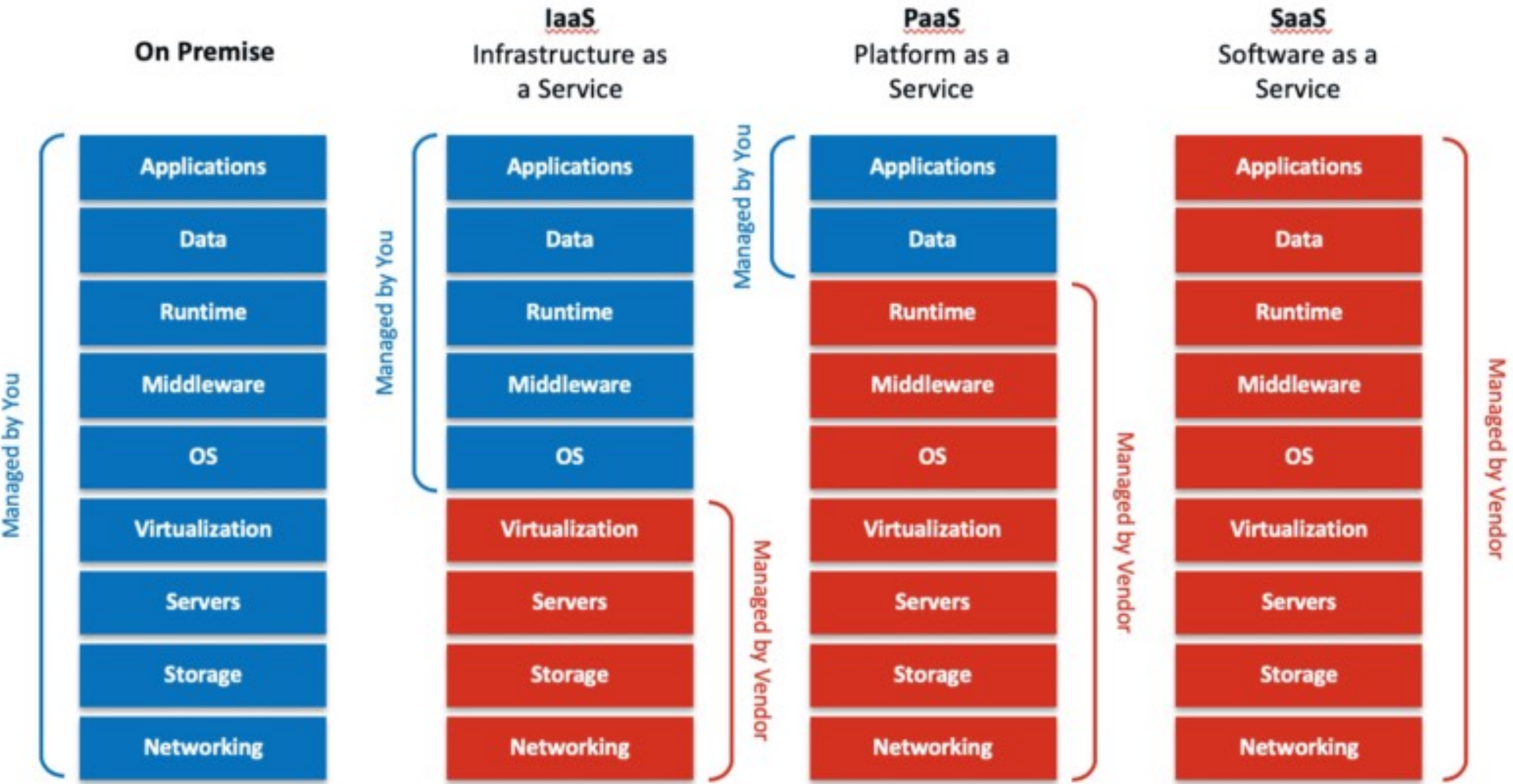
클라우드



- 전력, 위치, 추가 확장성 등을 고민 X
- 준비되어 있는 서버를 간단한 설정만으로 사용 가능
- 기존 온프레미스 환경보다 효율이 뛰어남

Cloud Computing

클라우드 컴퓨팅



<https://hazelcast.com/glossary/infrastructure-as-a-service-iaas/>

Cloud Computing

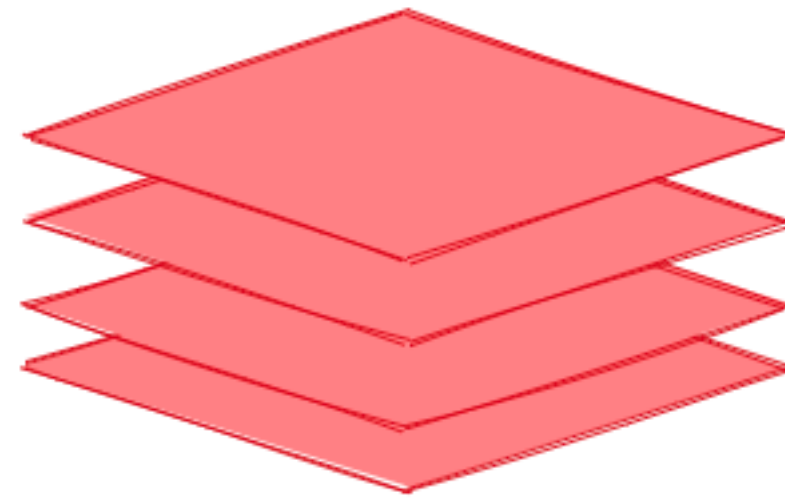
클라우드 컴퓨팅



- 저렴한 비용
- 빠른 속도
- 타 클라우드에 비해 많은 자료
- 데이터센터가 서울에 있어 빠른 속도

Cloud Computing

가상화



virtualization

- 모든 클라우드의 운영 기술의 토대
- 가상 머신 여러개 호스트 가능
- 독자적 운영체제 실행

Cloud Computing

클라우드 컴퓨팅 최적화

확장성

- Auto Scaling

탄력성

- 변화하는 수요 관리

비용관리

- 사용 리소스 관리를 통한 비용 통제

AWS

AWS의 서비스 범주

컴퓨팅

네트워킹

스토리지

데이터베이스

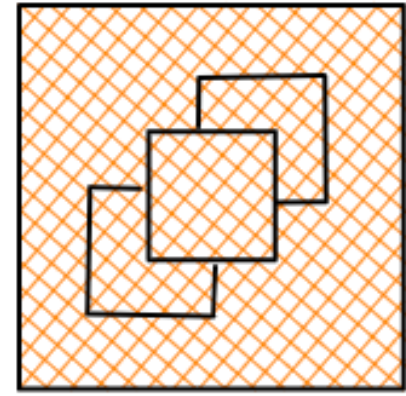
애플리케이션 관리

보안과 자격 증명

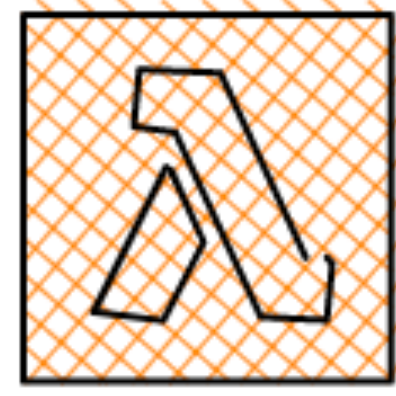
애플리케이션 통합

AWS

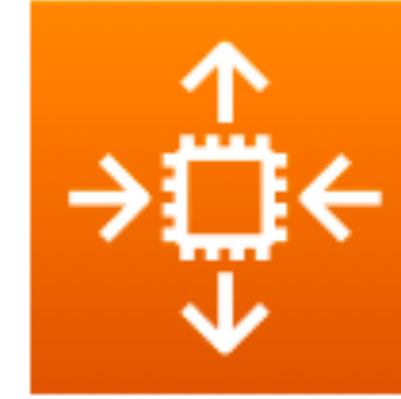
Computing



EC2



Lambda



Auto Scaling



Elastic
Load Balancing



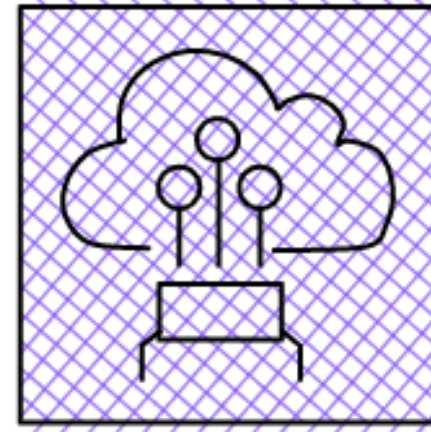
Elastic
Beanstalk

AWS

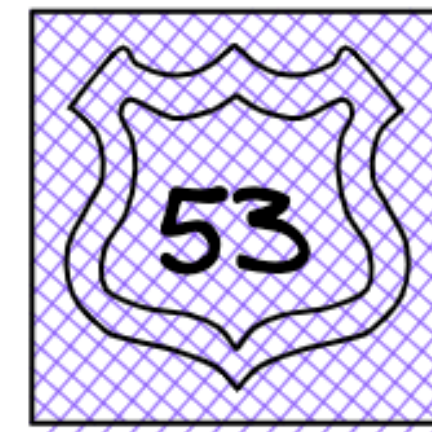
Networking



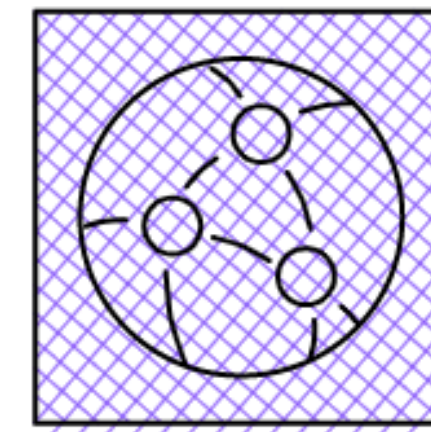
VPC



Direct Connect



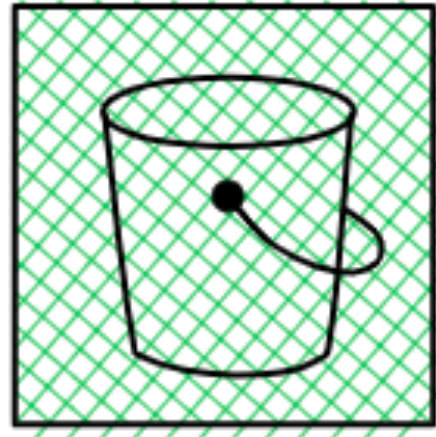
Route 53



CloudFront

AWS

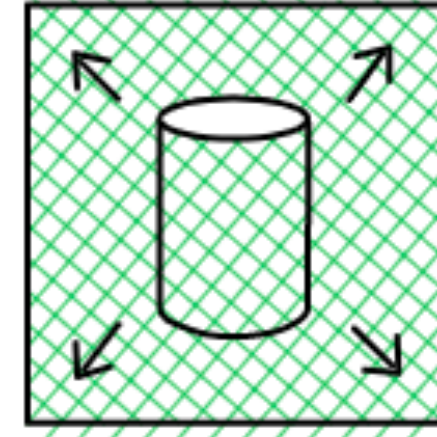
Storage



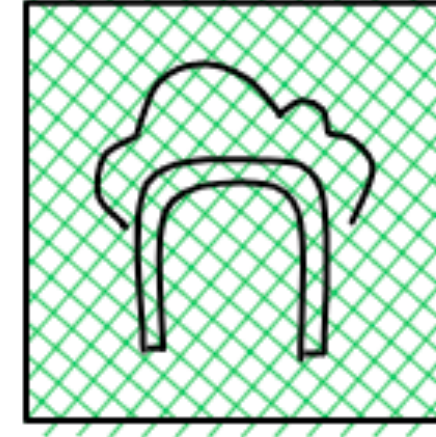
S3 Bucket



Glacier



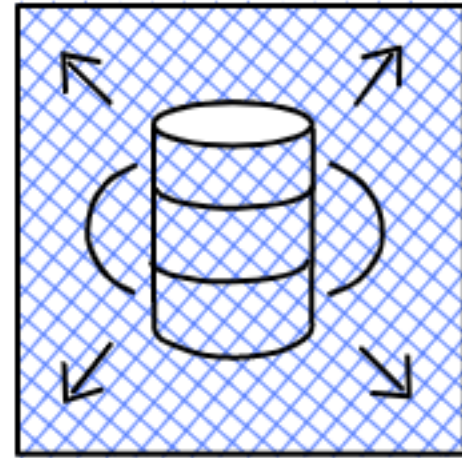
EBS



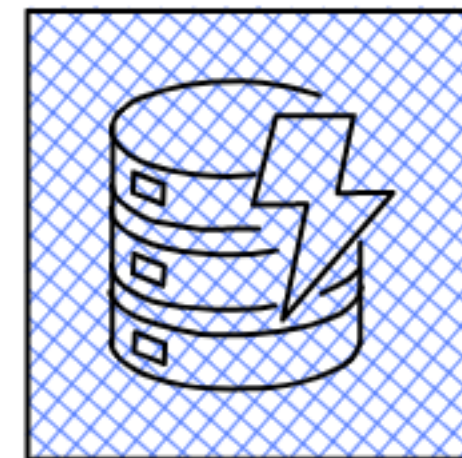
Storage
Gateway

AWS

Database



RDS



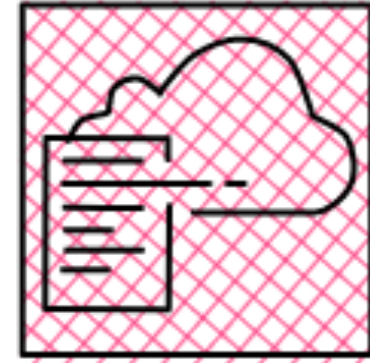
DynamoDB

AWS

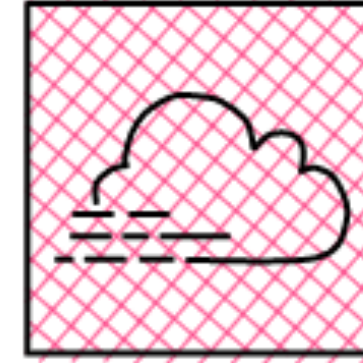
Application Management



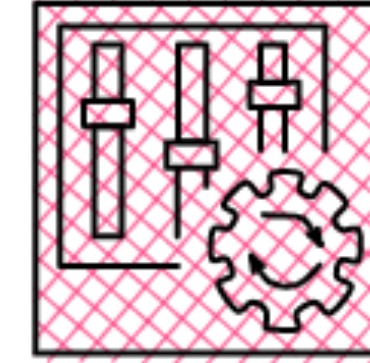
cloudWatch



cloudFormation



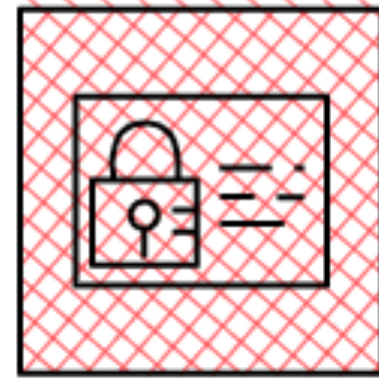
cloudTrail



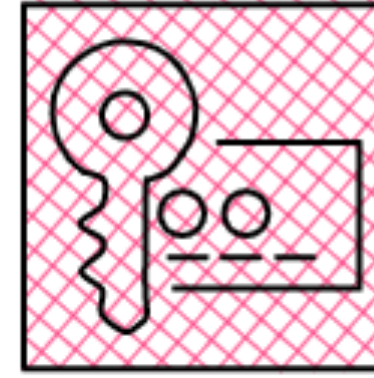
Config

AWS

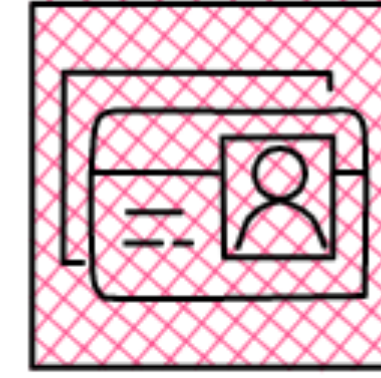
Security credentials



IAM



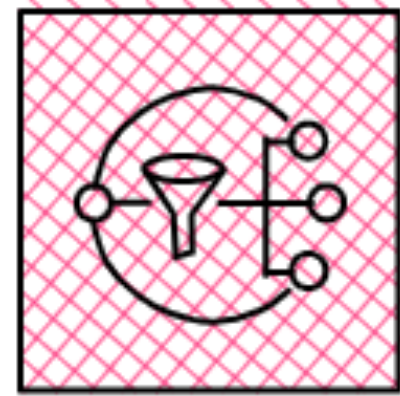
KMS



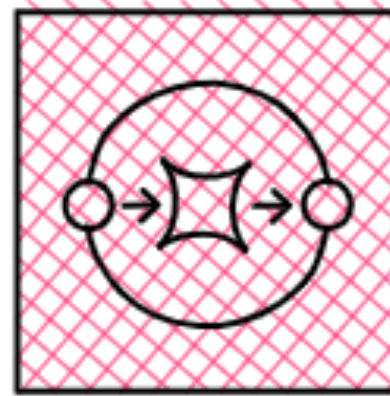
Directory
Service

AWS

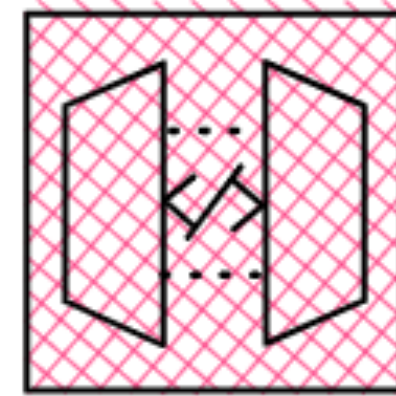
Application Integration



SNS



SQS



API Gateway



요약

- 클라우드 컴퓨팅: 물리적 리소스를 작고 유연한 가상 단위로 나누는 기술 기반
- 클라우드의 서비스 유형
- 클라우드의 효율적 배포를 위한 확장성 / 탄력성 / 비용관리 고려
- AWS 클라우드에는 다양한 서비스 범주가 존재

AWS

실습

IAM 계정 만들기 S3 사용해보기