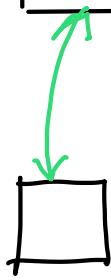
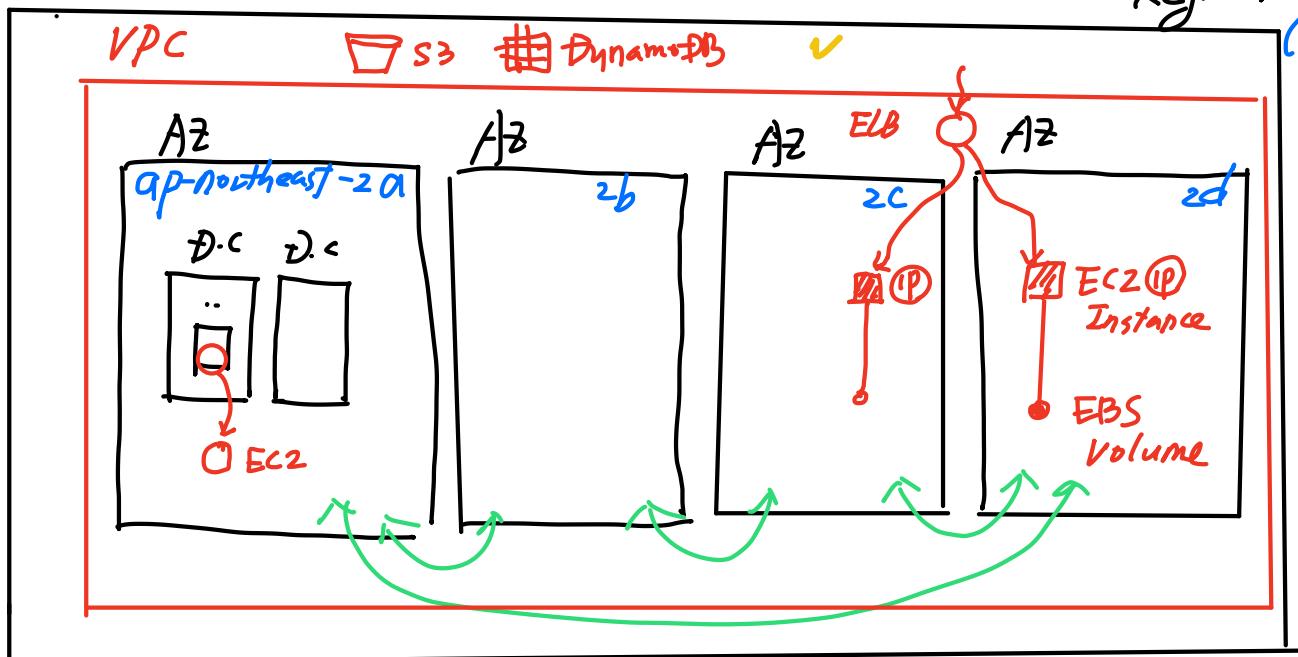


Global Infrastructure

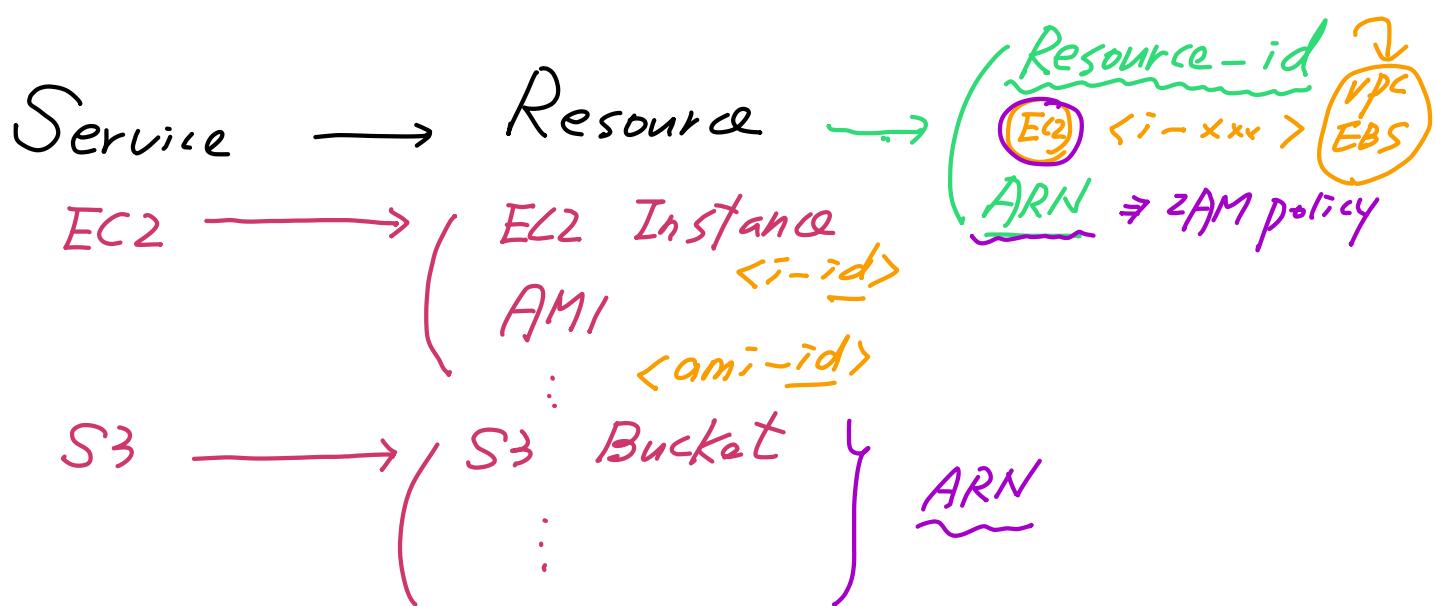
- ① Region
- ② AZ
- ③ Edge Location

Region Seoul
(ap-northeast-2)



- Edge Location
- ① CloudFront (CDN)
 - ② Route 53 (DNS)
 - ③ Shield
 - ④ WAF (DDoS)
- + a

AWS Service.

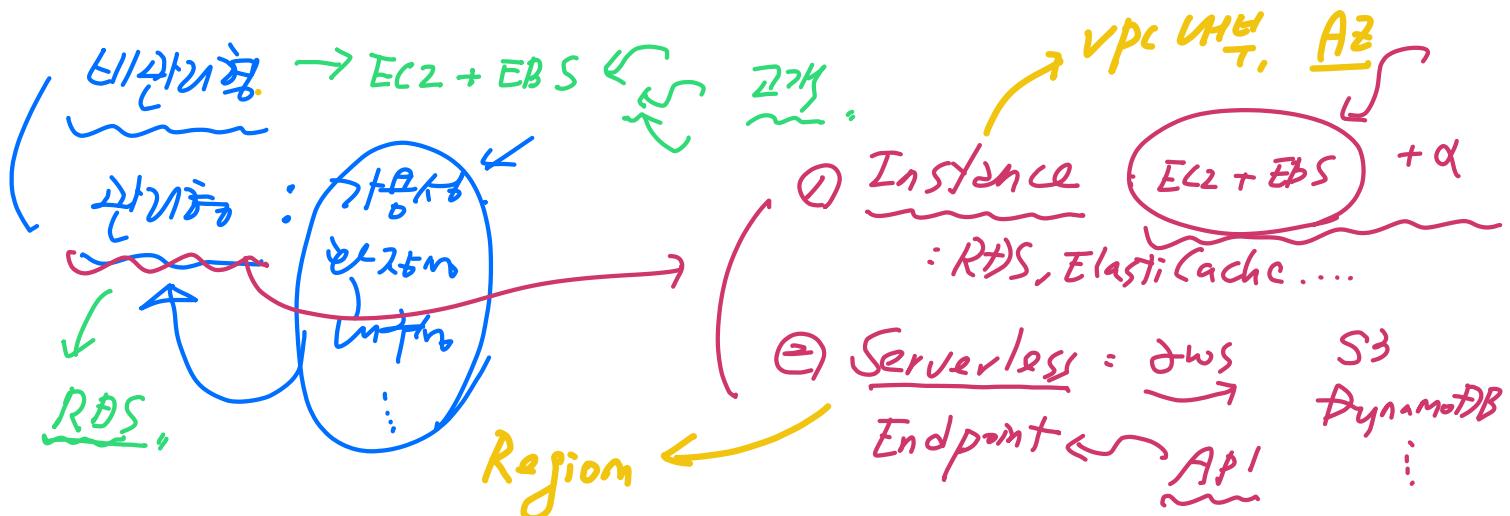


Resource Scope (Level)

① Global : IAM, User, Role, Edge Location,

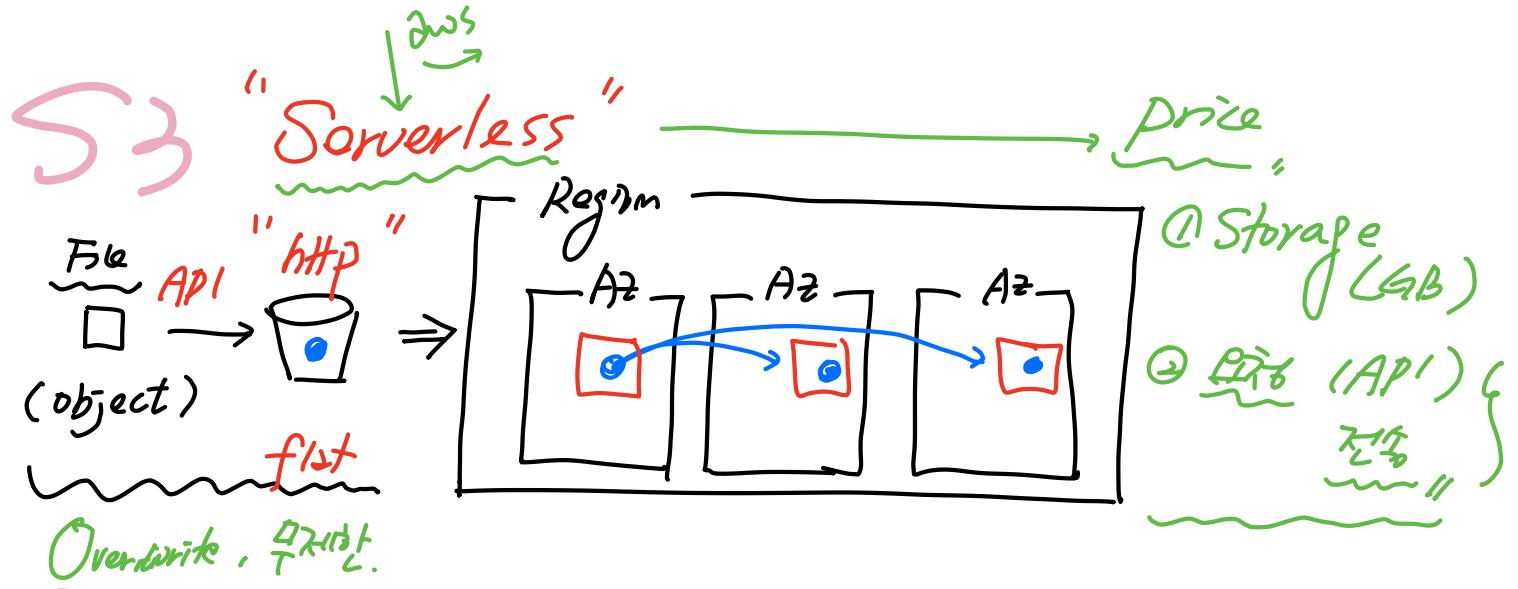
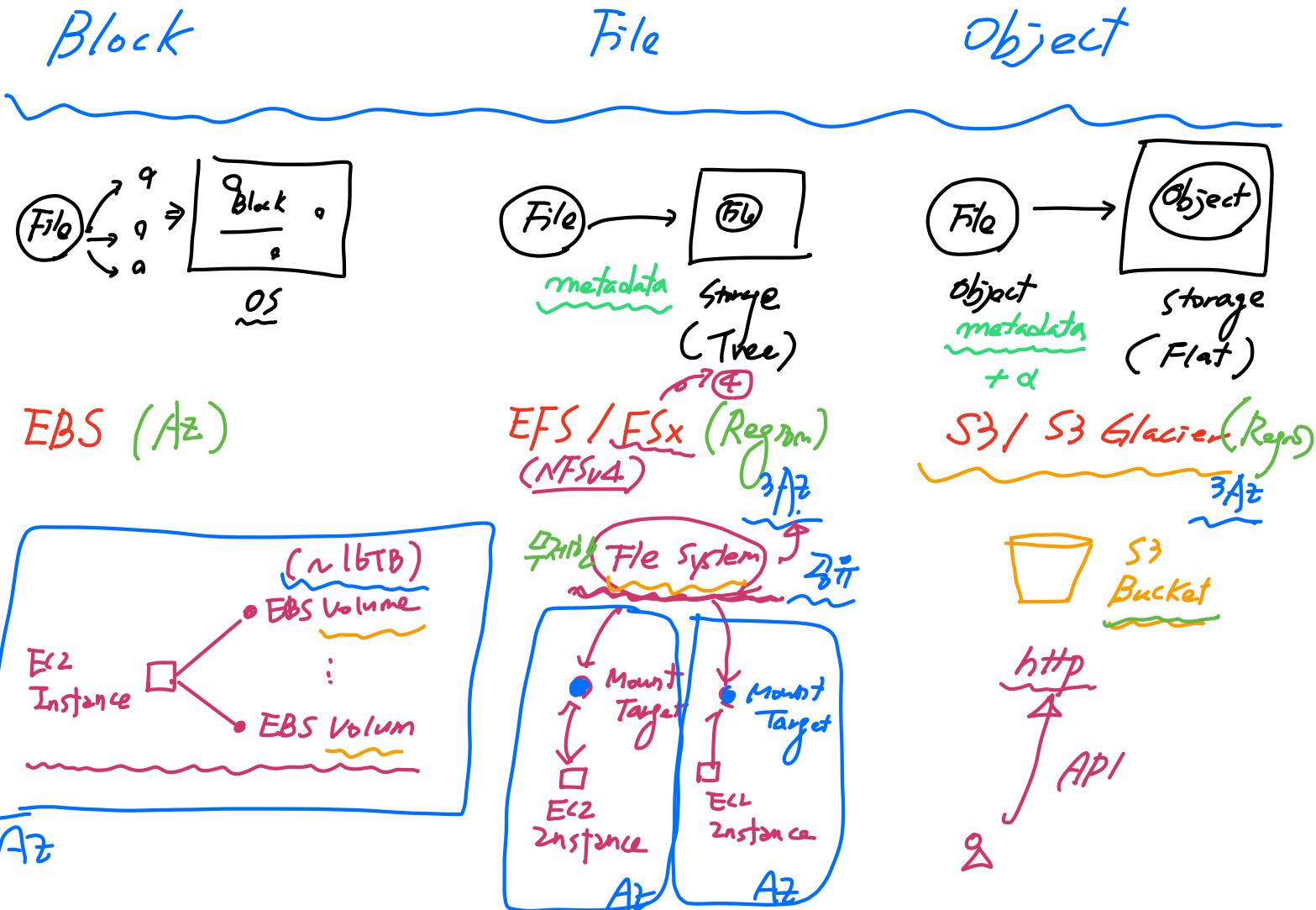
② Region : VPC
 └───▶ : S3, DynamoDB, ...
 └───▶ : ELB

③ AZ :
 └───▶ : EC2 Instance, EBS Volume
 RDS DB Instance, ...
 └───▶ : EC2 User.



AWS Storage

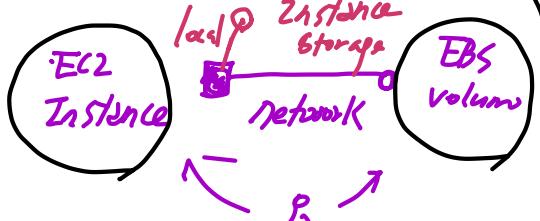
① Block : EBS
 ② File : EFS, FSx
 ③ Object : S3, S3 Glacier



EC2 "Instance"

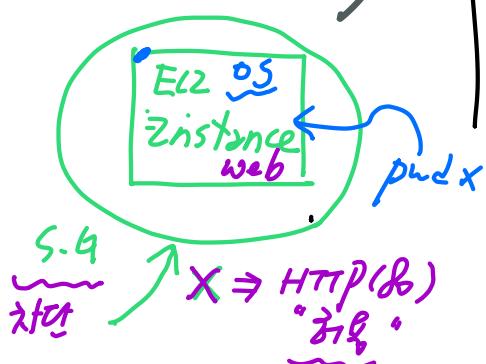
① Software
AMI : OS, App (Template)
User Data : Script

② Hardware
Instance Type : CPU, Memory, Network
option → + Storage (Instance Storage)
Storage : EBS (obj, ~16TB) 311BZ

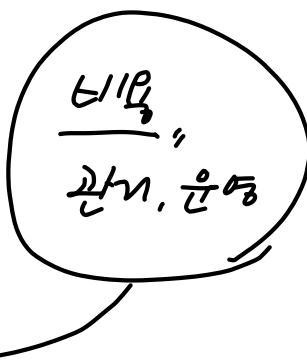


③ Network
VPC, Subnet (private / public)
IP → private IP / public IP (256x)

④ Security
Security Group : 7 filters
Key Pair : public / private key
IAM Role

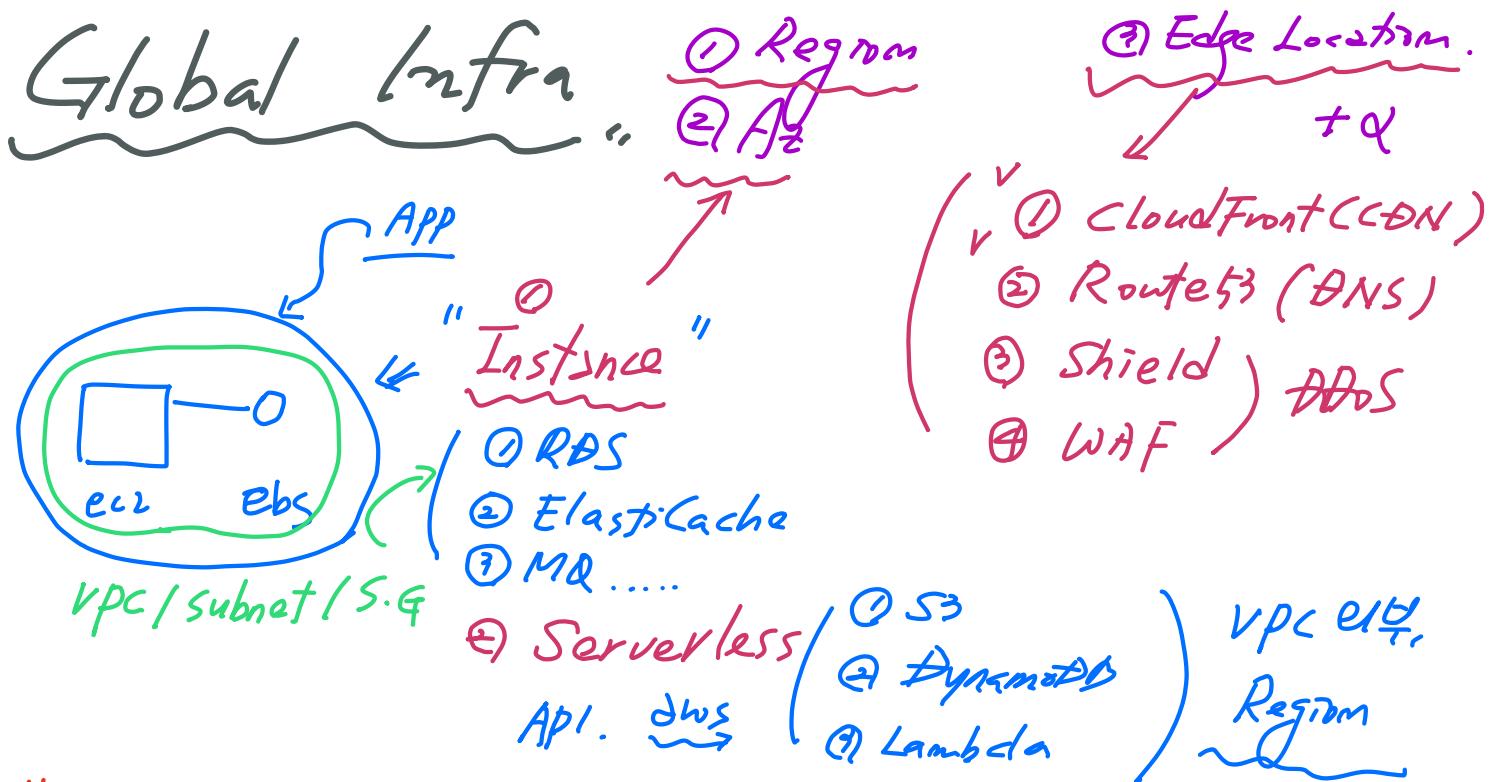


⑤ Tag
Key - Value
Option



Review - Day 01

"Cloud" (① Virtualization. → Service
② Internet
③ Pay as you go
"API"
Console, CLI, SDK



"Resource".

EC2 Instance ⇒ Resource-id ⇒ < i-xxx >
ARN → IAM policy

Storage

① Block

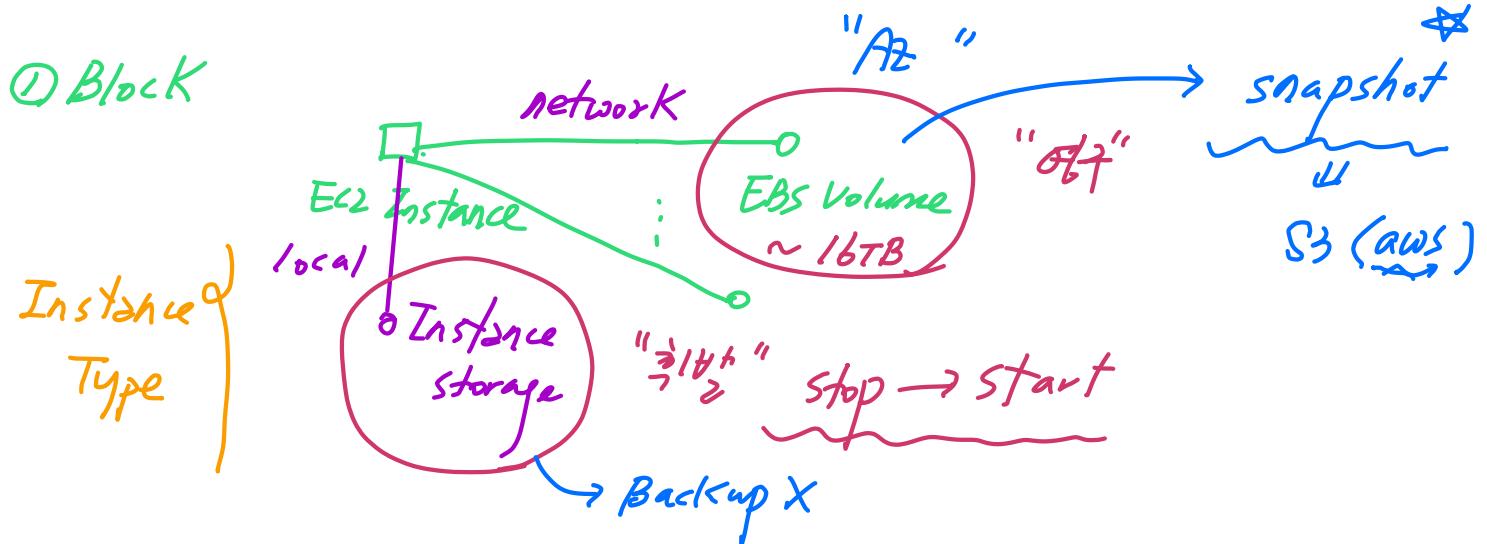
Instance Storage
EBS

② File

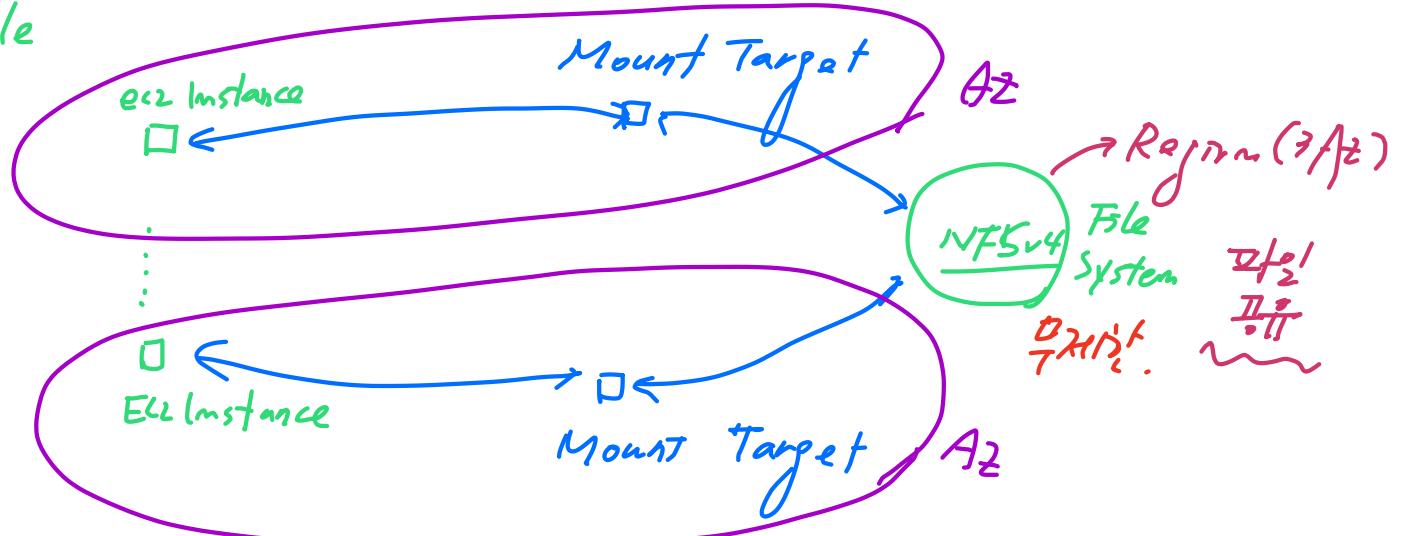
EFS
FSX

③ Object

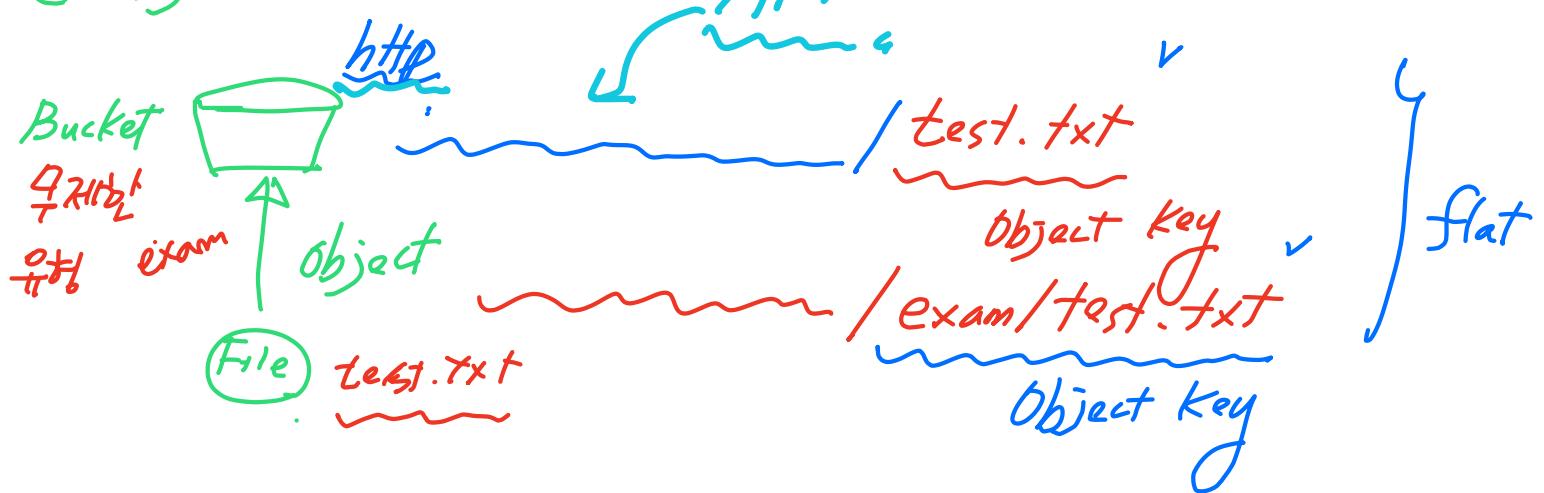
S3
S3 Glacier



② File



③ Object



EC2

① AMI (OS, App) → EC2

aws, Q, Community, Marketplace.

② S3 (aws) ③ ~~Customer~~ (Private/public)

④ Instance Type → t3.micro

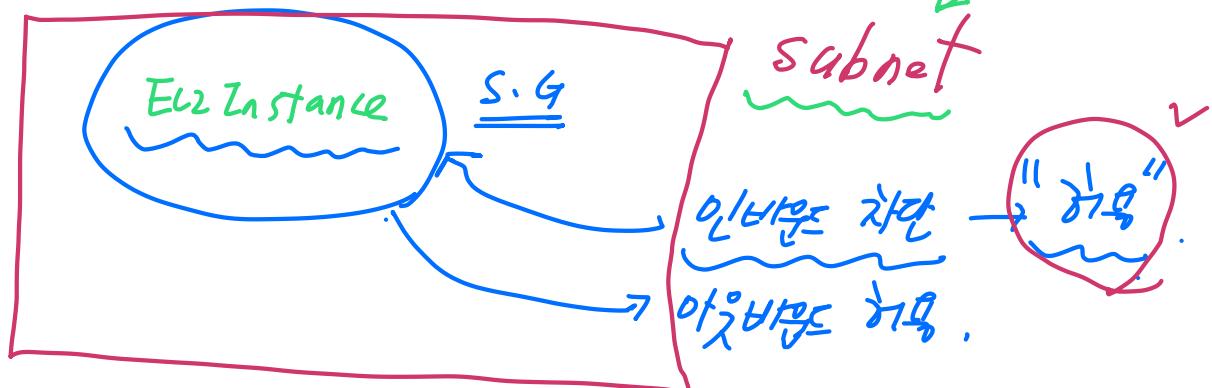
EBS

Cpu, memory, network
+ Storage.
(Instance Storage)

⑤ Metadata / UserData

http://169.254.169.254/latest/meta-data
/meta-data.

⑥ Security Group : HTTP ports

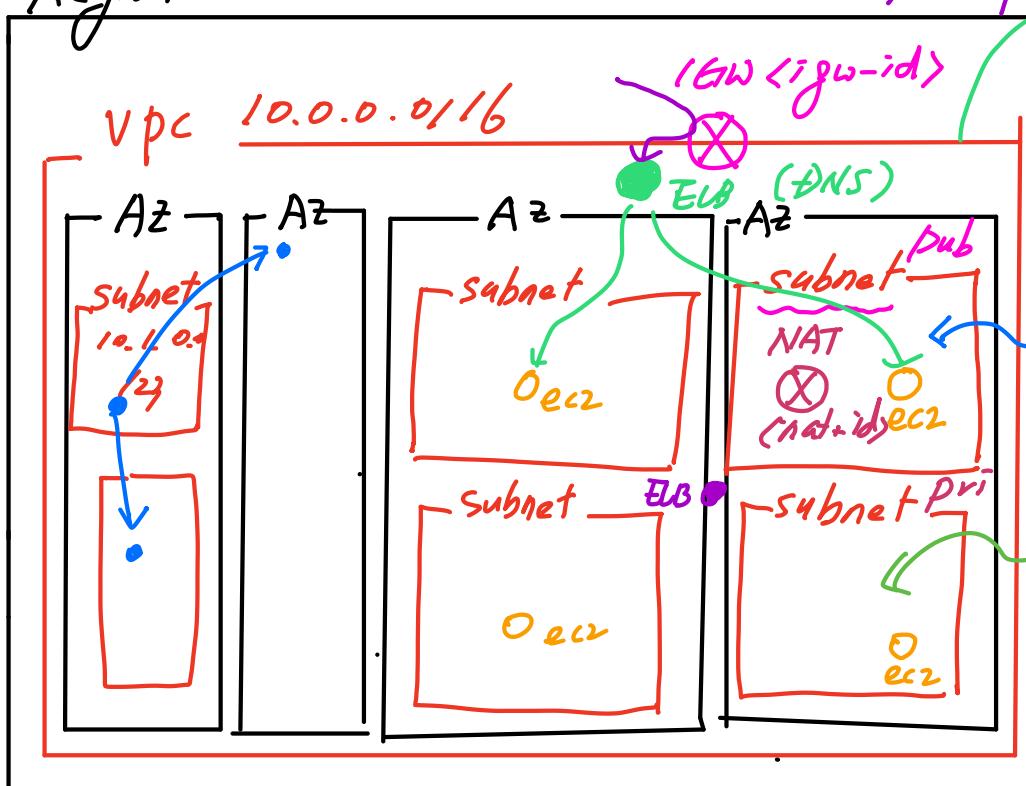


Review - Day02

VPC

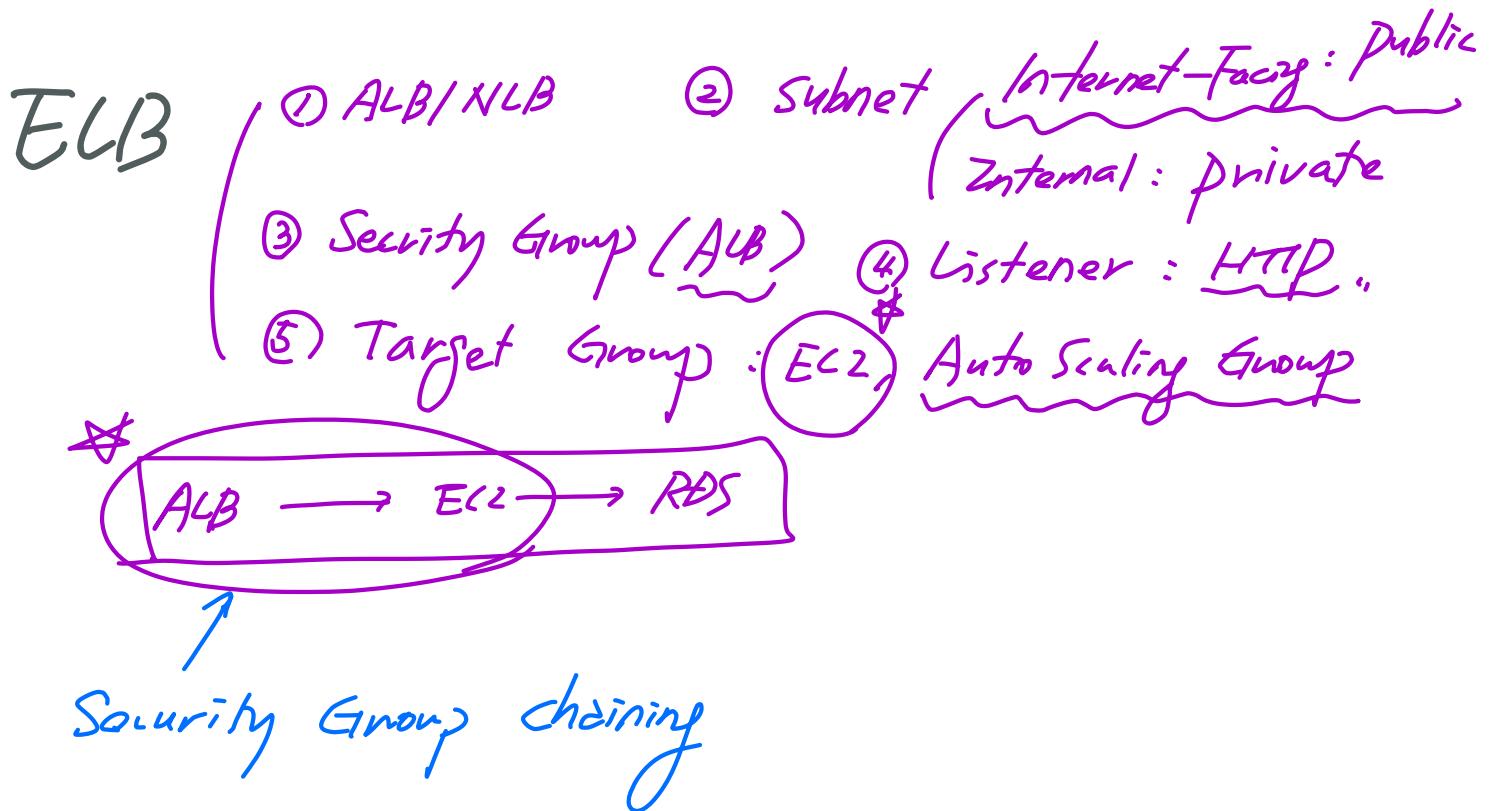
- ① CIDR
- ② Subnet (private / public)
- ③ Route Table ← ④ Gateway (IGW / NAT)
- ⑤ NACL / Security Group

Region Seoul

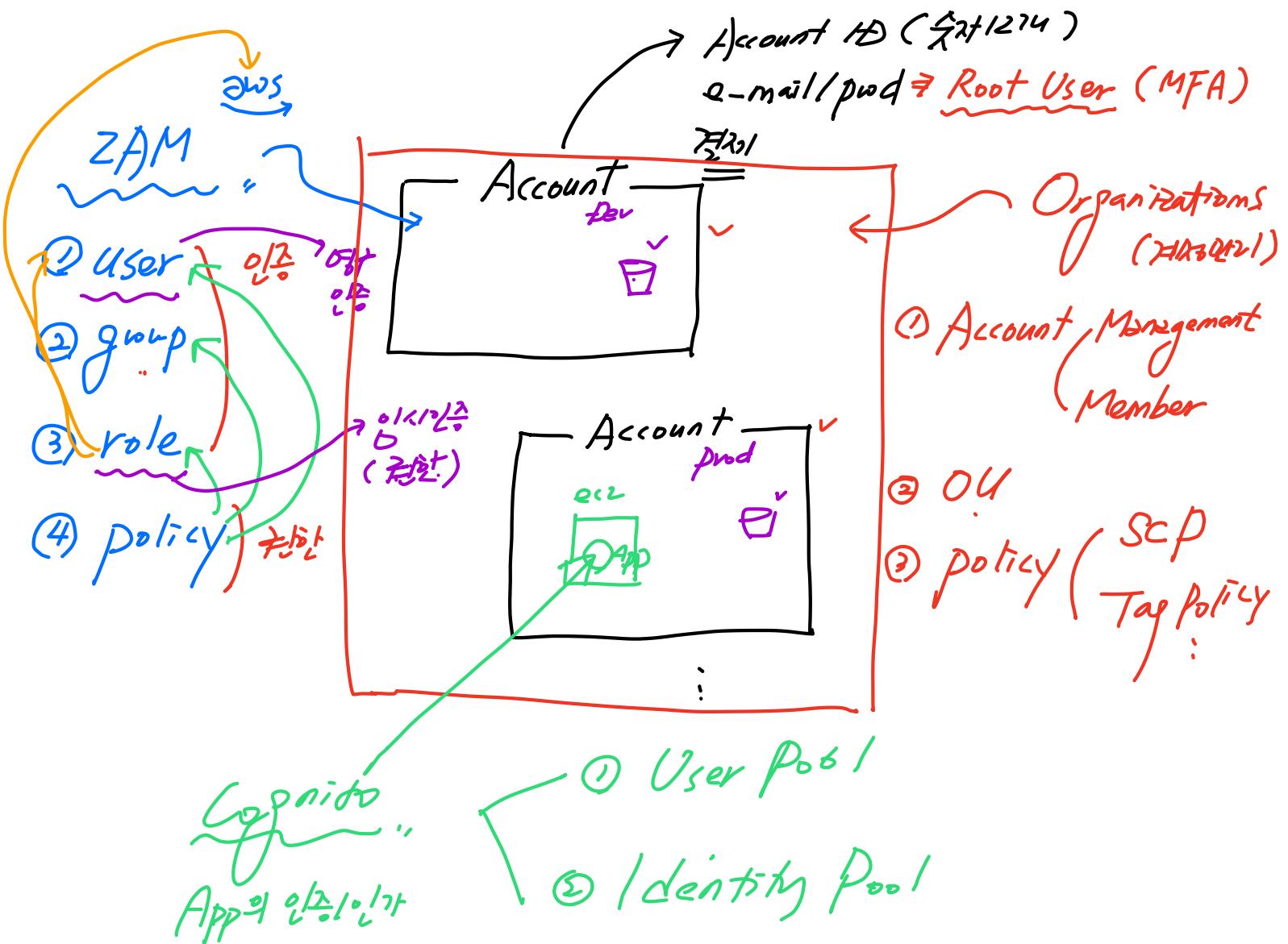


714

Route Table	
Dest.	Target
10.0.0.0/16	local + all
	public Route Table
10.0.0.0/16	local / 0.0.0.0/0 <igw-id>
	Private Route Table
10.0.0.0/16	local / 0.0.0.0/0 <nat-id>



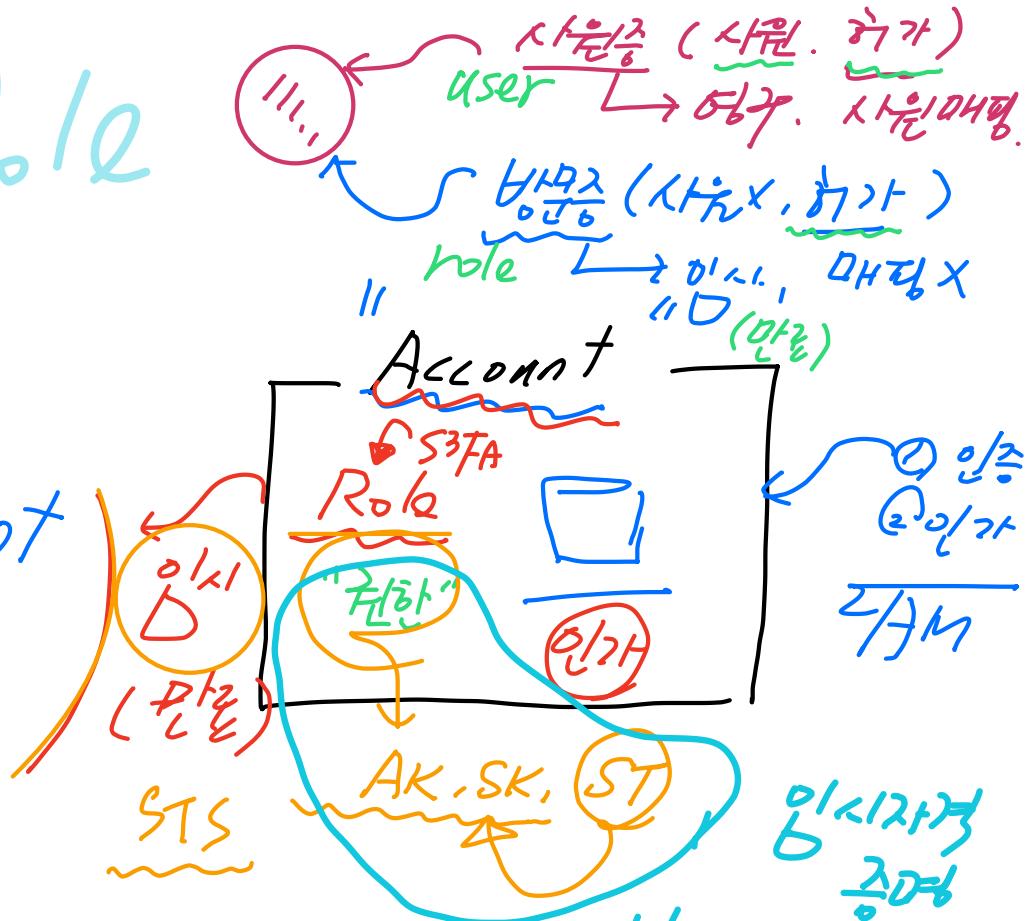
Authentication & Authorization



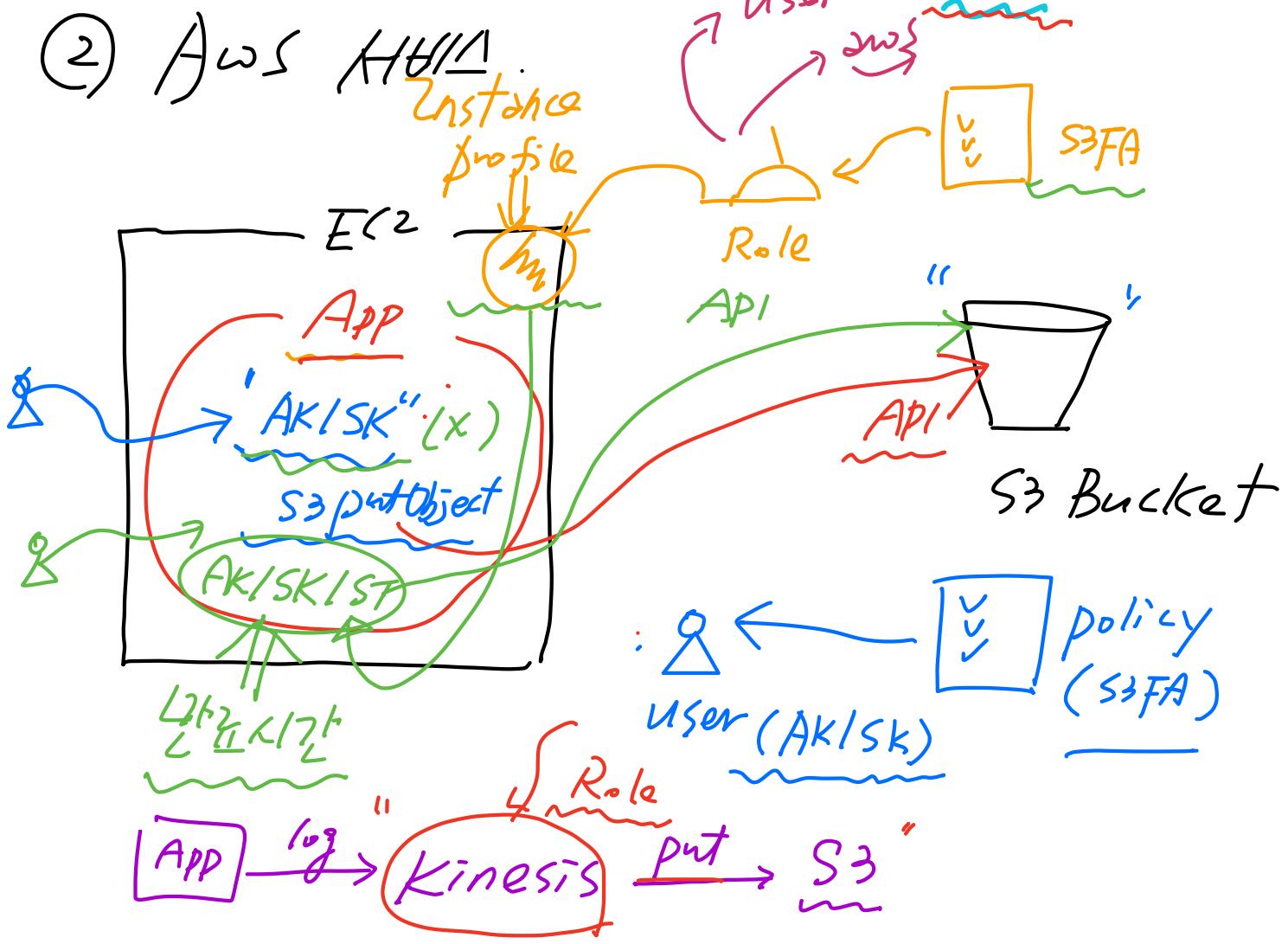
ZAM Role

① 페터인증

- ① AWS Account
- ② On-premise
- ③ Web



② AWS IAM



CloudFormation

