

#3. (11)

Weather forecast

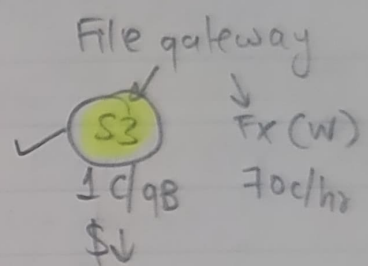
↓  
Storage

- POSIX-compliant
- Millions of IOPS
- Sub ms latency
- Short term

- 2
- EFS X
  - Fx ✓
  - windows X
  - water
  - scratch ✓
  - persistent
  - S3 cold

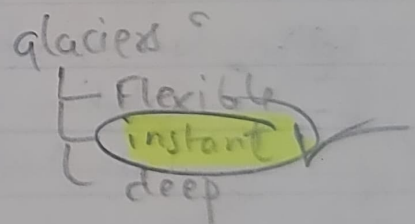
(12) College → Hybrid cloud + low latency

- (on-prem)
- aws
- NFS/SMB
- Need multi-region
- low cost

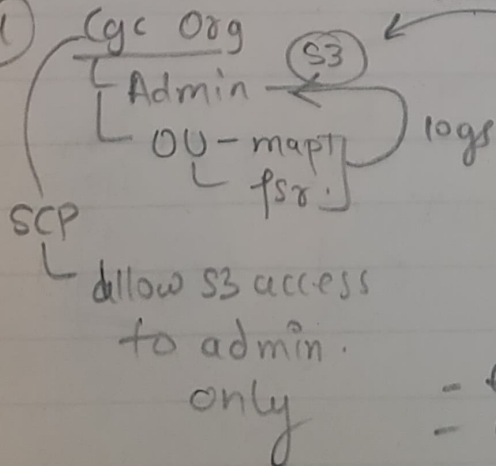


(13) Health Org → Lab record

- Store ↓
- durable
  - secure
  - low cost
  - Sys.
  - access → once / quarter (90 days)
  - immediate retrieval



(14) Cgc Org → Auditor: AWS - I



- Auditor: AWS - I
- Most secure
  - Operational overland
  - No
  - easy deploy

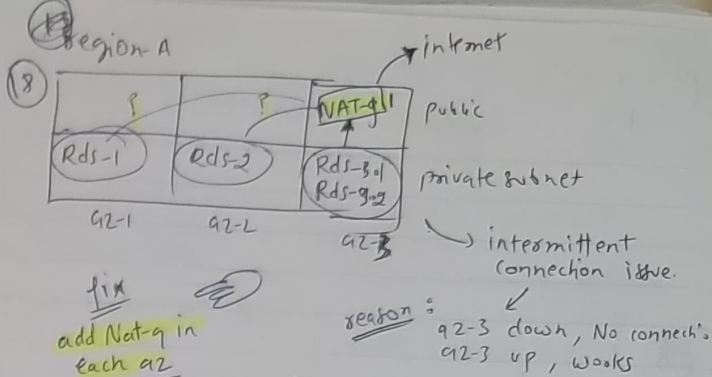
- explicit deny
- allow & SCP
- RP > IAM > PB > SP
- X
- TLS

- 15) File storage  
 - NFS FS → NFS  
 - auto scale  
 - random / in frequent access  
 - Save cost  
 ⇒ EFS with life cycle

- 16) Drug Company  
 ↓  
 Critical drug data  
 Stored in EFS - Needed for Next 6 months  
 ↓  
 (backup / restoration / migration) + Reposting  
 (centralized soln) - AWS backup

- 17) XYZ company  
 - audit → security compliance failed  
 - password found in code  
 - PaOps → slow, to detect issue  
 ⇒ revenue loss.  
~~store secrets in security~~  
 - Rotation Not Need, will do manually.  
 - Fast Analysis & Investigation  
 ✓ System Manager - App Sync X  
 ✓ Secret Manager - Param Store X

- 17) what if audit failed  
 - password  
 - env vars  
 - AMI IDs (crash'ies)  
 - product key.  
 ⇒ param store + encrypt



- 19) Advertisement Company  
 ↓  
 Database  
 - customer-1  
 - interest-1  
 - graph  
 - which DB?  
Neptune

- 20) Mongo (on-prem) → AWS (?)  
 ↓  
Document DB

- 21) policy → attach to:  
 - boundary X  
 = SCP  
 apply on OU  
 AWS org / Control tower

22) Max STB on S3

- 24) EFS Anywhere  
 - run ecs in customer managed infra,  
 Not in cloud.

- 23) emails - text  
 (S3)  
 - comprehend  
 - read with wshmes content.  
 - owns of email  
 - AWS is not owner  
 ⇒ Hybrid EFS  
 - global app on prem  
 - some return on prem  
 - some return to S3  
 - with managed instance

- install:  
 - SSM agent  
 - Docker  
 - ECS agent  
 - CW agent X

- FKS  
 EKS anywhere  
 EKS Disks

30 On prem → AWS  
 files (100) → Dynamo (K/R) (90 copied) (10 not copied)  
 STB  
 reason → locked file - Can't access  
 file Modified - Verification step failed  
 (Data inconsistency)

33 Analytical AWS Service  
 ↓  
 globally called → API gateway (REST)  
 ↓  
 SPA (ng). ↔ request / call response → log ((payload, response))

34 Media Company (app)  
 Desktop Mobile  
 generate  
 free ← image video store in S3  
 paid.  
 U1 U2  
 purchased by multiple users. keep vol same thug.  
 CF  
 vol is same  
 cookies  
 pre-signed cookies for each user

35 AWS  
 VPC  
 Public Private Subnet  
 az-1 az-2  
 NACL-1 rules NACL-2 rules  
 transient gateway (S3) → on-prem (work)  
 regional Not tied with VPC  
 (ignore this question)

41 US-east-1  
 aws-1 (S3) → aws-2 → aws-3  
 geo spatial data  
 N/w outbound Cost ↑  
 S3 Requester pay = enable it

43 client  
 Upload encrypted data → S3 kms  
 generate key  
 stored here Not locally.  
 - Client side encryption  
 - Key

45 DX - with BGP (border gateway protocol)  
 Community tags ???

46 S3 - us-east-1  
 logs ← encrypt/decrypt with Key (SSE-KMS)  
 request new Key in same region.

47 FSx throughput: 21GB/s.  
 Cluster ✓

48 Hybrid storage  
 On prem (window) Server ↔ AWS.  
 File Gateway  
 for S3 X  
 for FSx window ✓  
 SMB

49 IoT Sensor data → Kinesis → which DB  
 RDS X  
 DynamoDB X  
 Timeseries ✓

51 EC2 profile → e2c full access  
 encrypted EBS volume  
 launched failed  
 add permission to access Key K



#52

EC2-a2-1  
eni → increase  
ava with  
least cost  
?

other sol<sup>n</sup>  
└ ALB + ASG  
└ expensive  
X

Sol<sup>n</sup>?

EC2-a2-1  
└ eni-1  
eni-2  
(secondary)  
EC2-a2-2  
(standby) ←  
& detach  
& attach  
eni in DR

#53

EC2 instance  
└ EBS volume-1 (root)  
└ EBS volume-2 (additional)  
└ create from snapshot which  
was root volume of other EC2  
re-boot  
└ picking volume-2  
Sol<sup>n</sup> - e2label command

geo proxim ✓  
geo locati ✓  
weight ✓

#54

application translated  
└ us-east-1 - english  
└ mumbai - hindi

Routing Policy  
R53

#37

Aurora  
└ Disk failure  
Sol<sup>n</sup> primary ~~region~~ DB - region 1  
└ put read replica in  
same region, diff az.  
└ Self healing feature  
└ recover from each other

#36

AWS RDS  
└ snapshots  
└ unencrypted snapshots  
AWS-2  
└ RDS  
└ restore  
share?

Can directly  
copy & restore  
if not encrypted