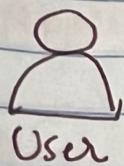


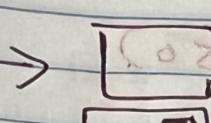
multiple AWS accounts & applications

Other

AWS services - expand without OAT -
Amazon Workspaces *



User



Virtual Desktop

Linux / Windows

Secure

Corporate Data center

AWS

Cloud

Managed Desktop as a service (ODAS)

solution to easily provision Windows / Linux desktops. scaling - no physical infrastructure

Great to eliminate management of on-premises Virtual Desktop Infra.

Fast & Scalable to thousands of users

Secure data - integrates with KMS

Pay-as-you-go (Monthly & hourly basis). ←

Amazon AppStream 2.0

Desktop Application Streaming Service
Deliver to any computer, without acquiring, provisioning, installing or managing.
App is delivered from within a web browser
(mailing) of address → around 2 seconds.

Amazon AppStream 2.0 Workspaces

Fully managed cloud workspace available.
Users connect to their VDI host operating or WAM apps.

The on-demand on-the-way solution

AppStream 2.0

Stream a desktop app to web browsers (no need to connect to VDI)

Works with any device (that has a web browser)
Allow to configure an instance type per app type (CPU, RAM, GPU). (Amazon Linux)

With just few steps it's off and up!

Amazon Sumerian

Create and run VR, AR and 3D applications.

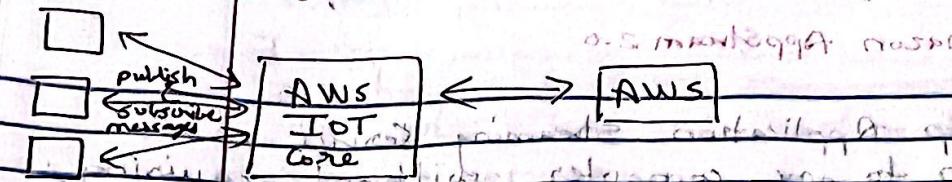
Create 3D models with animations

Ready-to-use templates and assets

Accessible via a web browser URLs on popular

hardware for VR/AR platforms

→ AWS IoT Core



CloudWatch Metrics

Fully connect IoT devices to the AWS

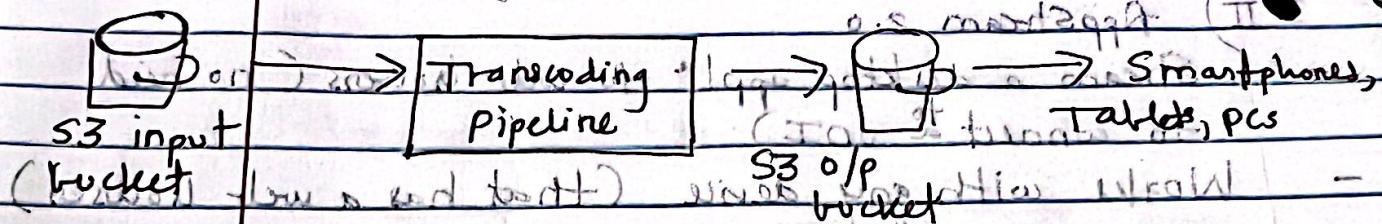
Cloud with built-in security

Serverless, Secure & scalable to billions of devices and trillions of messages

Integrate with Lambda, S3, SageMaker

Can communicate with devices even when they aren't connected

→ Amazon Elastic Transcoder



Convert media files stored in S3 into media files in the formats required by the consumer playback device

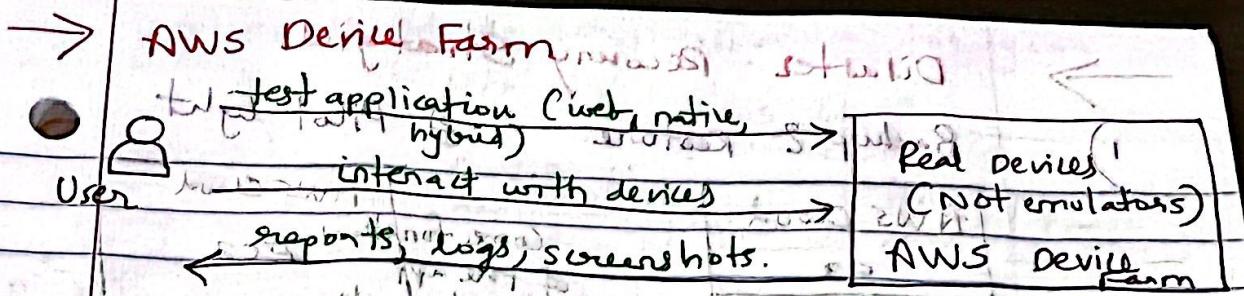
Benefits: No SA, S3, no dev store

1) Easy: Handle all the details (E. store)

2) Highly scalable (almost infinite)

3) Cost effective (with a dev store)

4) Fully managed & secure, pay for what you



Fully managed service that tests your web and mobile apps against desktop browsers, real mobile devices and tablets.

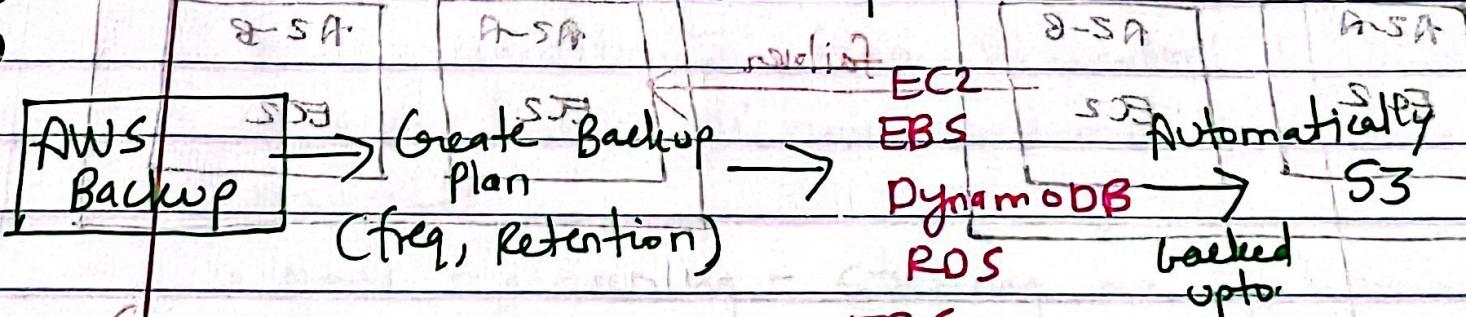
- Run tests on (currently) over 1000+ devices
- Ability to configure device settings

AWS Backup

- Fully managed service to centrally manage and automate backup across AWS services
- On-demand and scheduled backups
- Supports PITR (Point-in-time Recovery)
- Replication Periods, Lifecycle Management, Backup Policies, Local softwares in Lambda

Region Backup

Account Backup



(201) unstructured data EFS

using storage gateway FSx

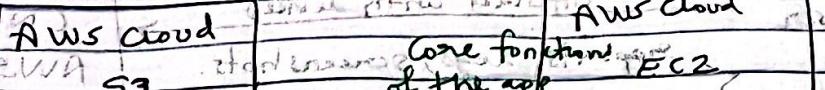
201A. on-premises data Storage Gateway

workload latency from legacy storage

Disaster Recovery Strategies (DRS)

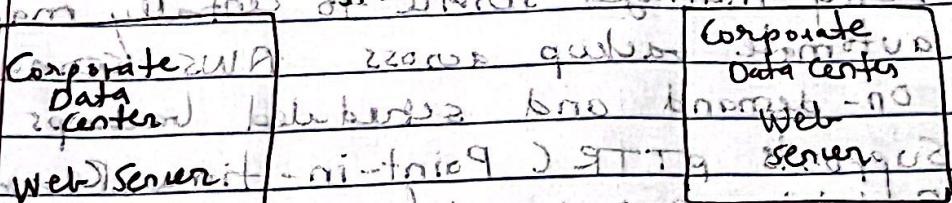
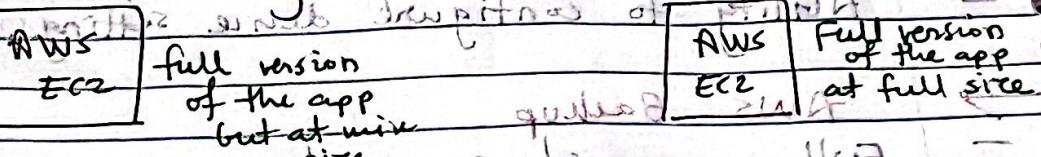
1)

Backup & Restore (long wait time) **Pilot light**



3)

Warm, Standby (ultra-redundant) **Multi-site / hot-site**



Typical DR Setup for Cloud Deployments.

N-Virginia

AZ-A

EC2

AZ-B

EC2

Region B

failover

London

Region A - 200k

AZ-A

EC2

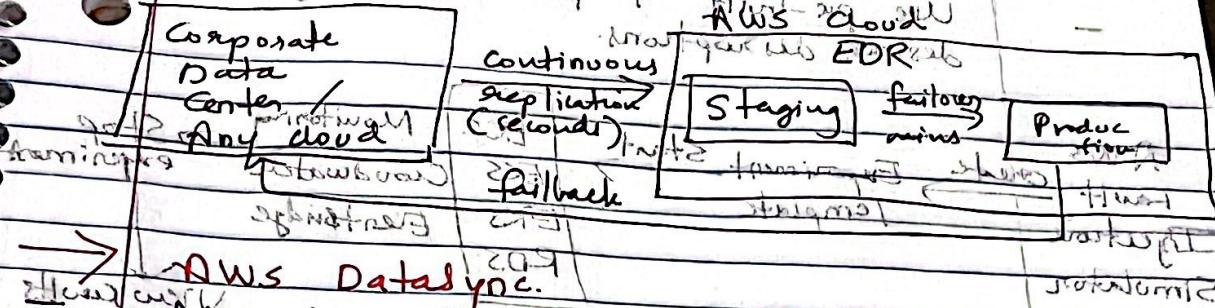
AZ-B

EC2

AWS Elastic Disaster Recovery (EDR)

Quickly and easily recover your physical, virtual and cloud-based servers into AWS.
eg: Protect your most critical databases.

Continuous block-level replication for your servers kept in sync with your AWS cloud



AWS DataSync

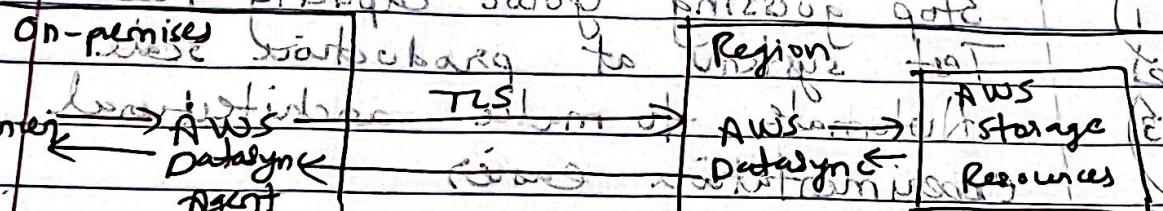
Move large amount of data from on-premises to AWS.

Can synchronize to S3, EFS, FSx for windows.

Replication tasks can be scheduled hourly, daily, weekly.

The replication tasks are incremental after the first full load or failover.

User triggers swap between got.



AWS Fault Injection Simulator (FIS)

Running fault injection experiments on AWS workloads.

Chaos engineering - stressing an application by creating disruptive events (e.g. sudden increase in CPU or memory), observing how the system responds and implementing improvements.

Helps uncover hidden bugs, performance bottlenecks.

- Support - ECR, ESS, ROS
- Use project template that provide the desired structure.

ABC	Cost only	Team size	ECR Number	Cost	Variables
Project	10-15	ES	Complex	Low	
Structure		ES	Simple	High	
		ROS			

→ New Architecture & Ecosystem

→ Good guiding principle : Well-
Architected framework

- 1) Do assessing your capacity need
- 2) Set system & conductor goals
- 3) Work towards to make architectural decisions earlier

- 4) Design based on changing requirements
- 5) Plan architecture using data

→ Improve through quick feedback loop

→ Change - changing fast

→ Take a time to review it

→ Learn from it

→ Make changes to plan

→ Make changes to plan