

## AWS has Global Infrastructure

AWS is Providing Infrastructure as a Service

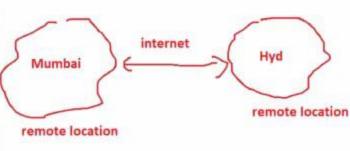
Cloud is present in the remote location

Remote location = DataCenters

We need internet to connect to the Cloud

AWS is a Cloud Provider which provides Infrastructure

AWS is a Public Cloud Provider which provides Infrastructure as a Service



AWS = Amazon Web Services

## **Key-Words**

Virtualization, Host machine, Virtual Machine, Infrastructure, Cloud, Remote location, DataCenters, On-Premises, Load Balancer, Firewall, Protocals.

Physical DC --> Virtualization --> Cloud --> AWS (remote location(DataCenters))

**Cloud Computing** 

Instead of doing computing on your local machines / local servers, you will now do the computing on the remote location(cloud), this is called Cloud Computing

## Deployment Models (Types of Cloud)

Public Cloud : The Services which are accessed by everyone like AWS

Private Cloud: The Services which are accessed with in the organization

Hybrid Cloud : The combination of Public and Private Cloud

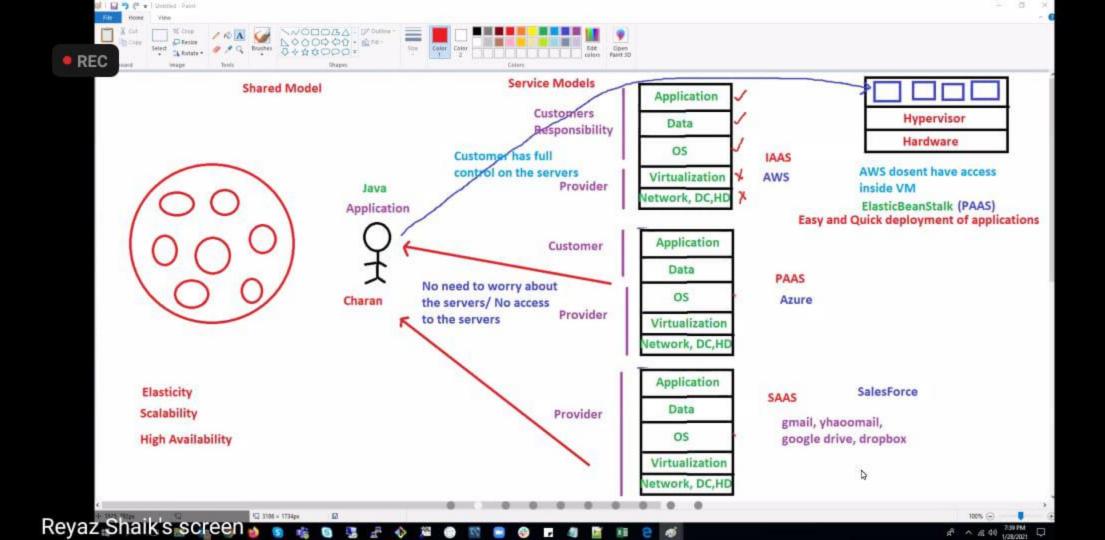
Community Cloud: It is same as private cloud but can be accessiable from few organizations

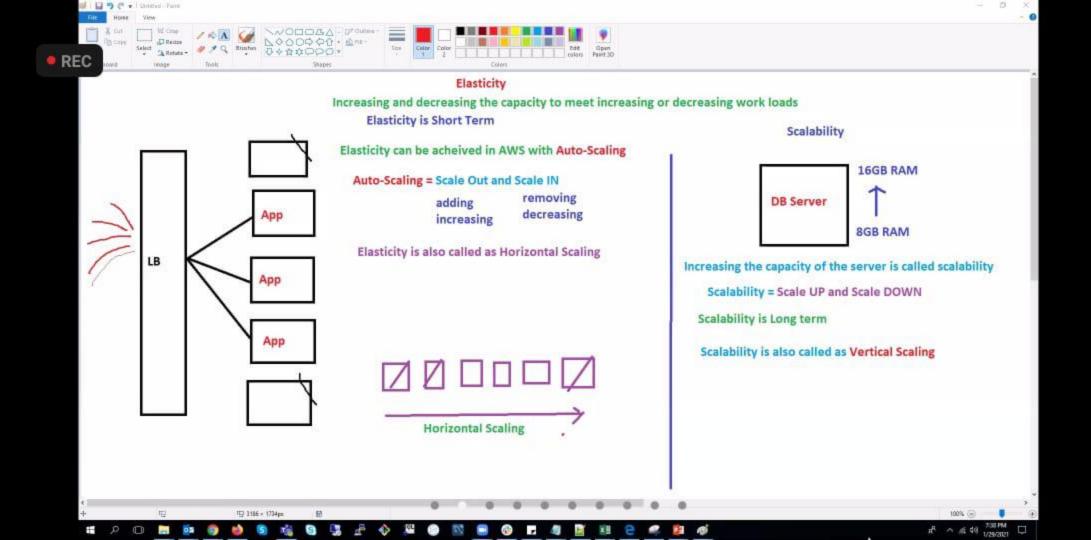
Service Models

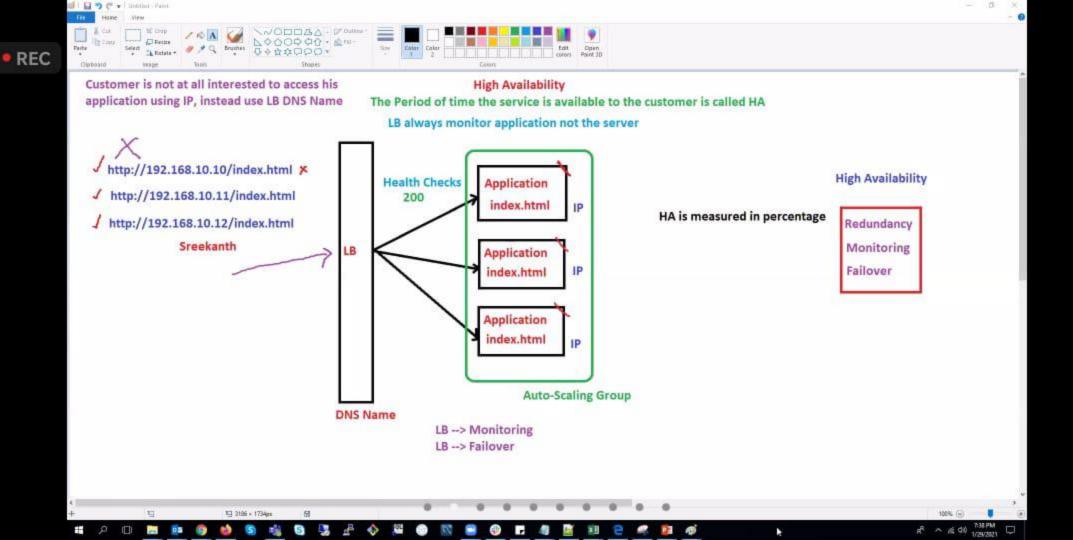
Infrastructure As A Service (IAAS)
Platform As A Service (PAAS)

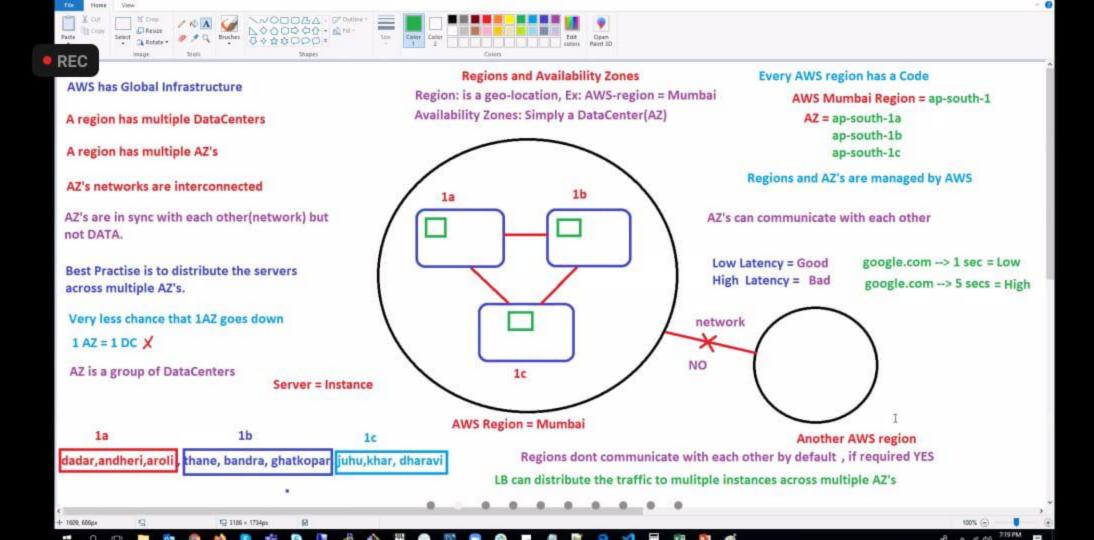
Software As A Service (SAAS)

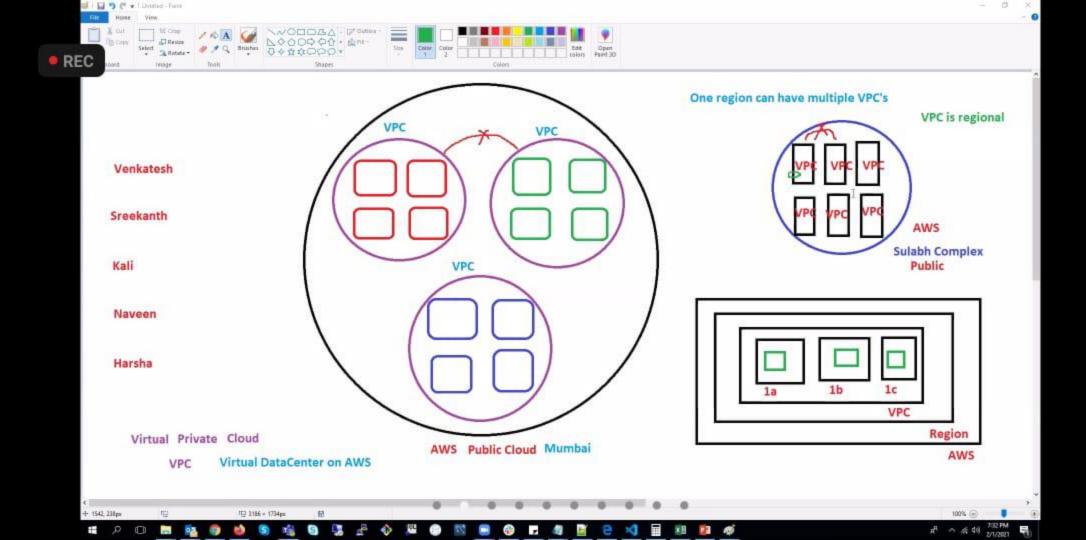
Reyaz Trainer's screen

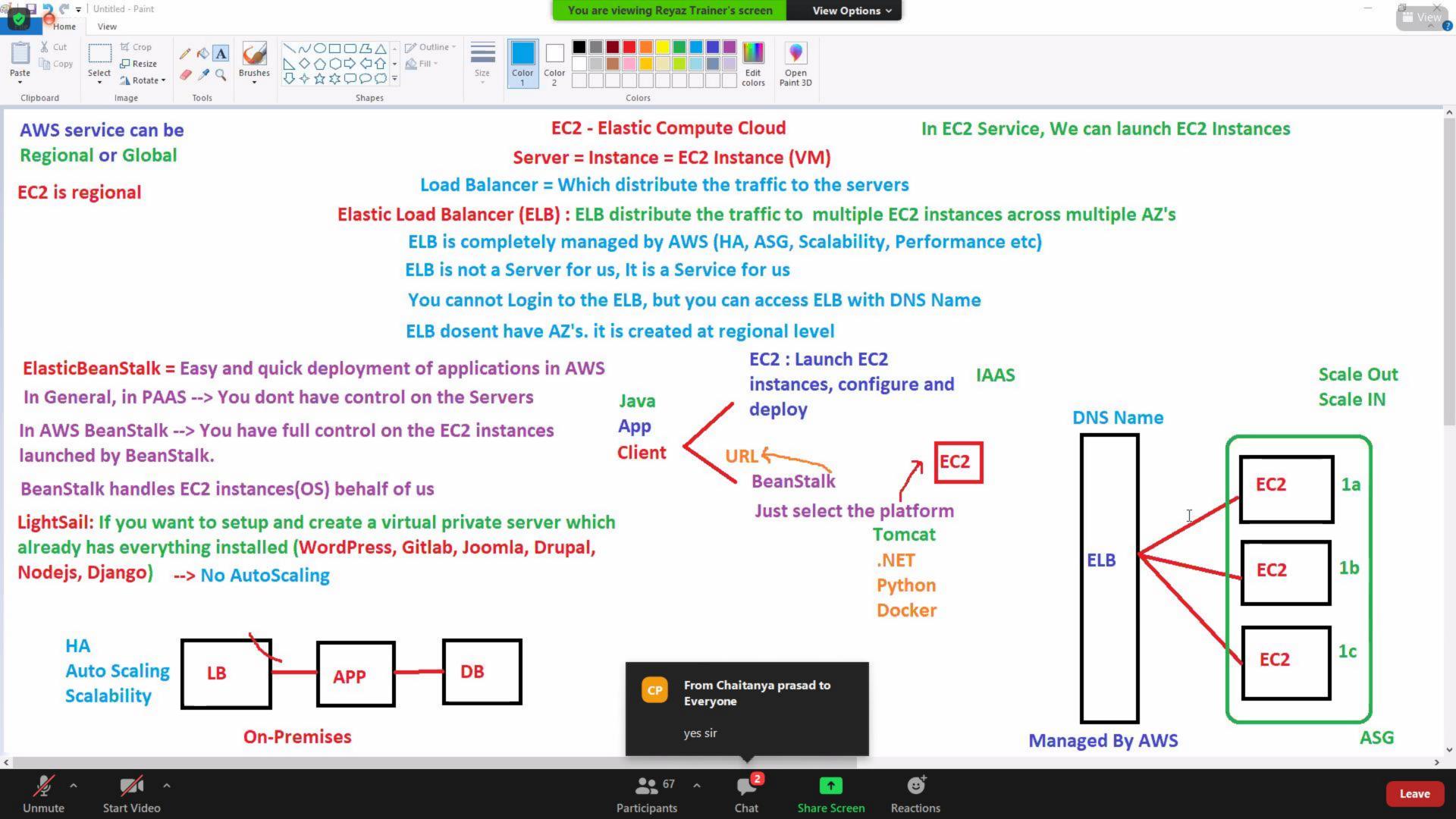


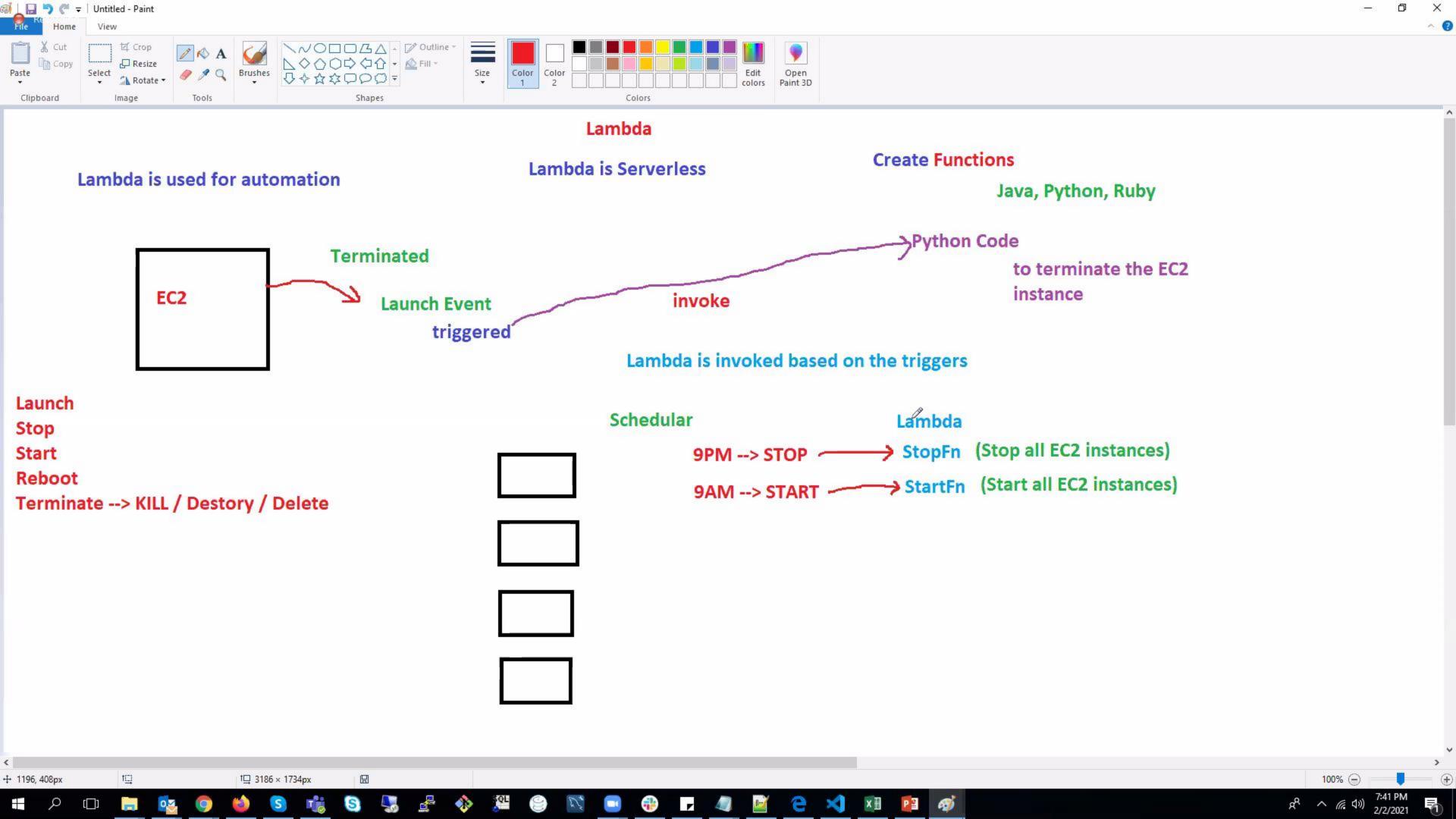












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In AWS, all services will start with Simple and end with Service

**SNS --> Simple Notification Service** 

\*\* S3 is Object Based Storage

**S3** 

Bucket

Objects

Key

S3 - Simple Storage Service

S3 is unlimited Storage by AWS

S3 is used to just store your files

S3 is used to store all FLAT files

With S3, you can upload, download, access your file

You cannot execute any files in S3

Is it possible to install OS on S3? NO

Is it possible to install DB on S3? NO

It is possible to run .net, .exe, .py etc in S3 ? NO

S3 is Serverless

AWS handles HA, Performance, scalability etc for S3

**Bucket is a Container for Objects** 

Object is a File

Key is the File Name / Name of the Object

Floppy --> 2MB

CD's --> 700MB

DVD's --> 4.7 GB

Pen Drives --> 128GB

Hard Disk --> 2TB

## \*\* S3 supports STATIC Website Hosting (HTML files)

Create a bucket, upload all files/objects and enable static website hosting feature.

HA, Performance, etc etc handled by S3

YOu cannot attach S3 to EC2 instance,

You can access S3 from Ec2 instance

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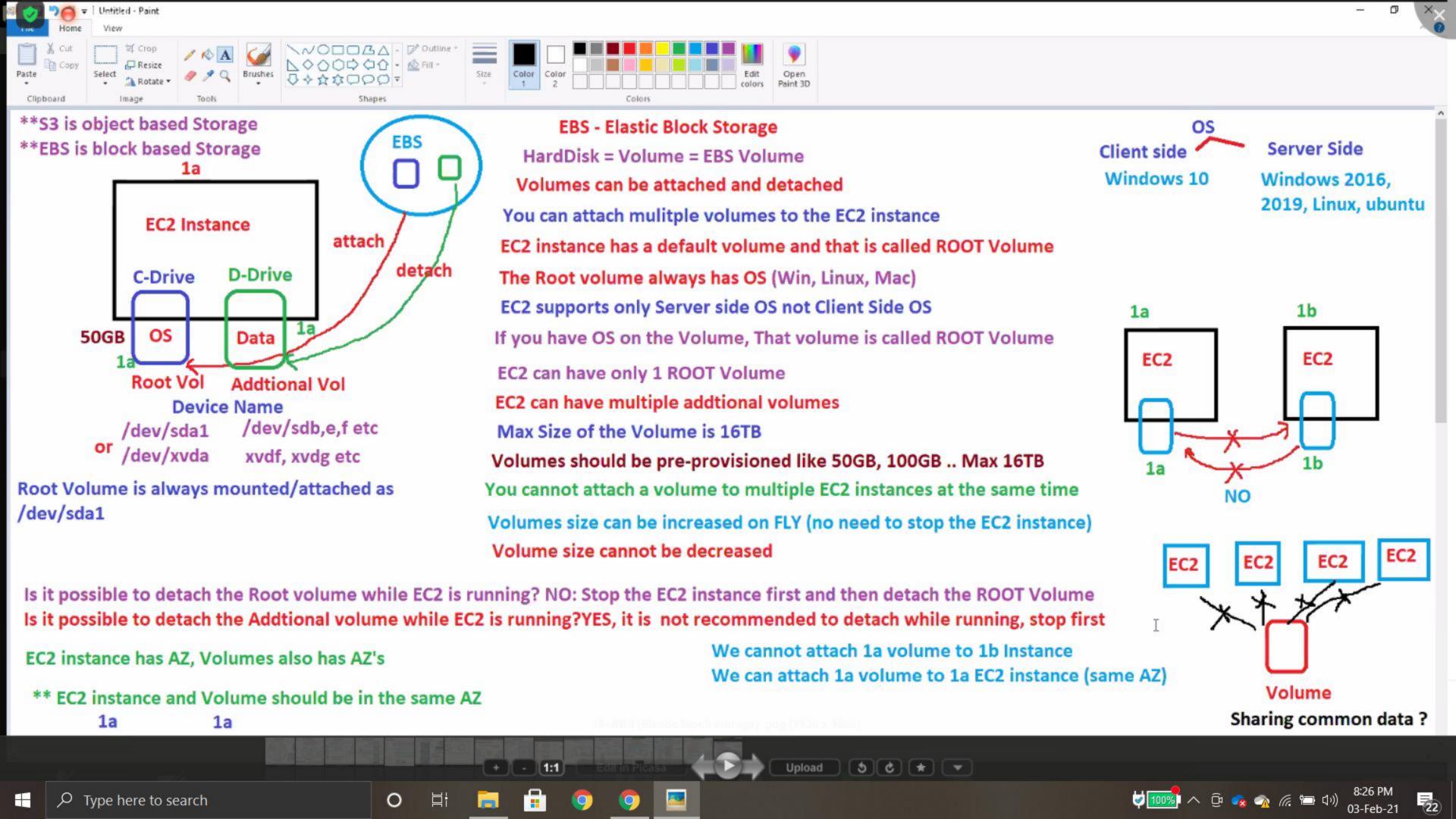
Windows

Folder

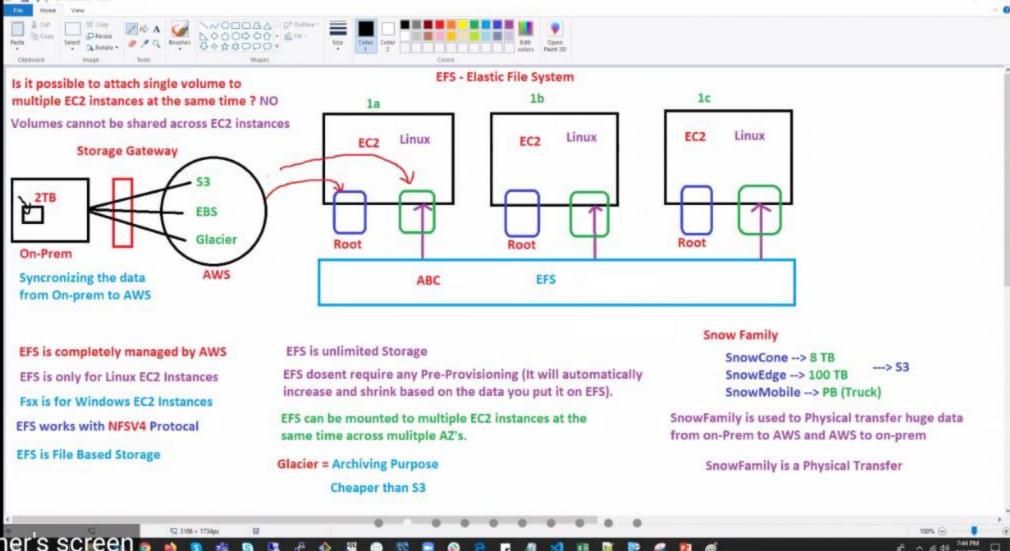
**Files** 

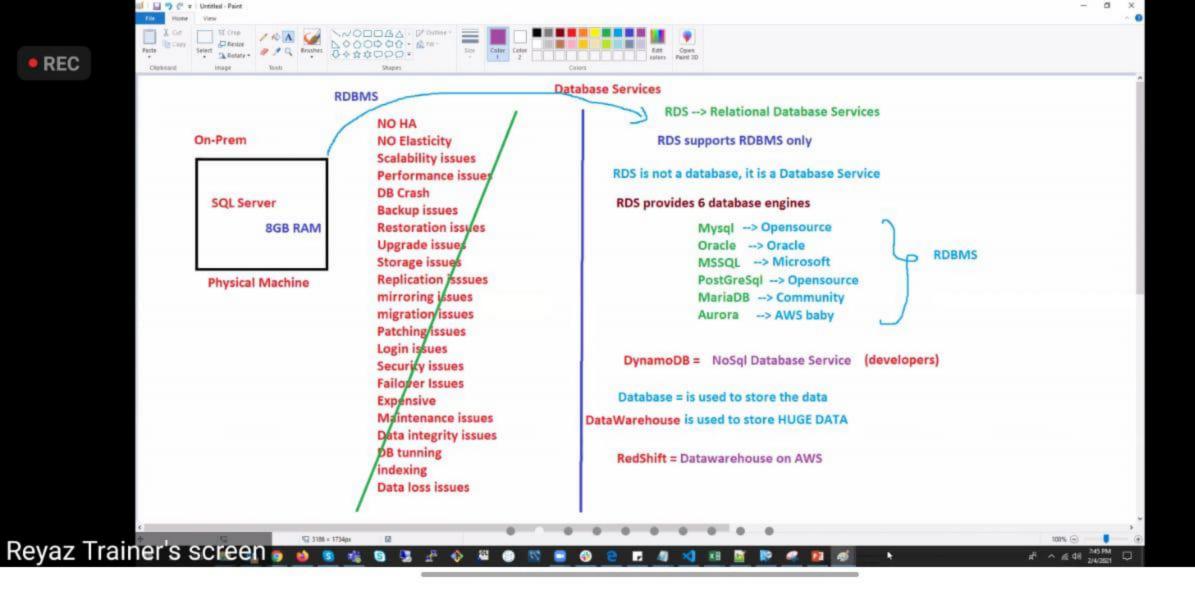
boom.mp3

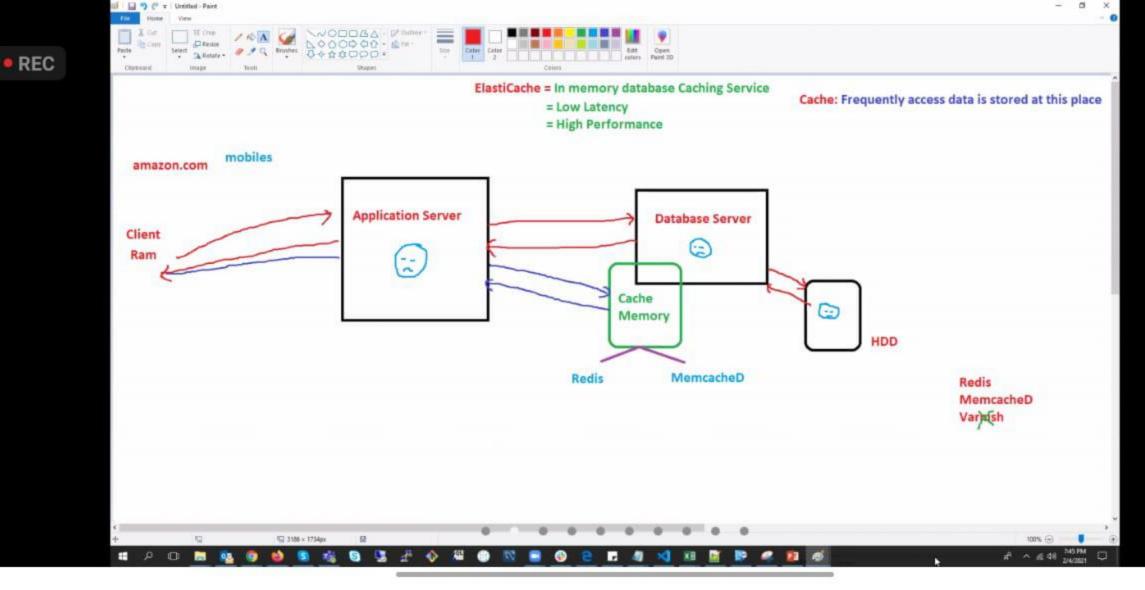
**61** 

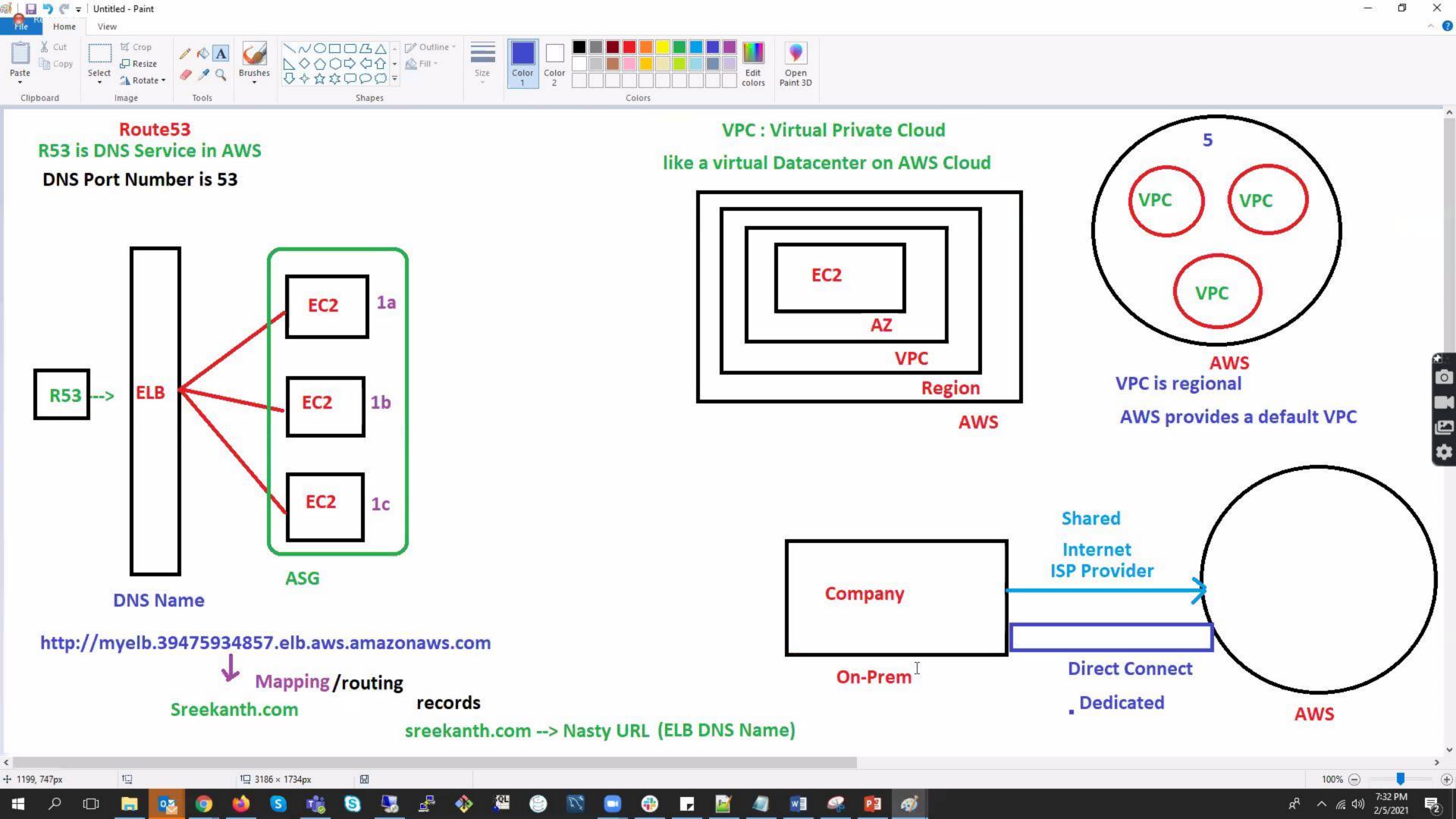


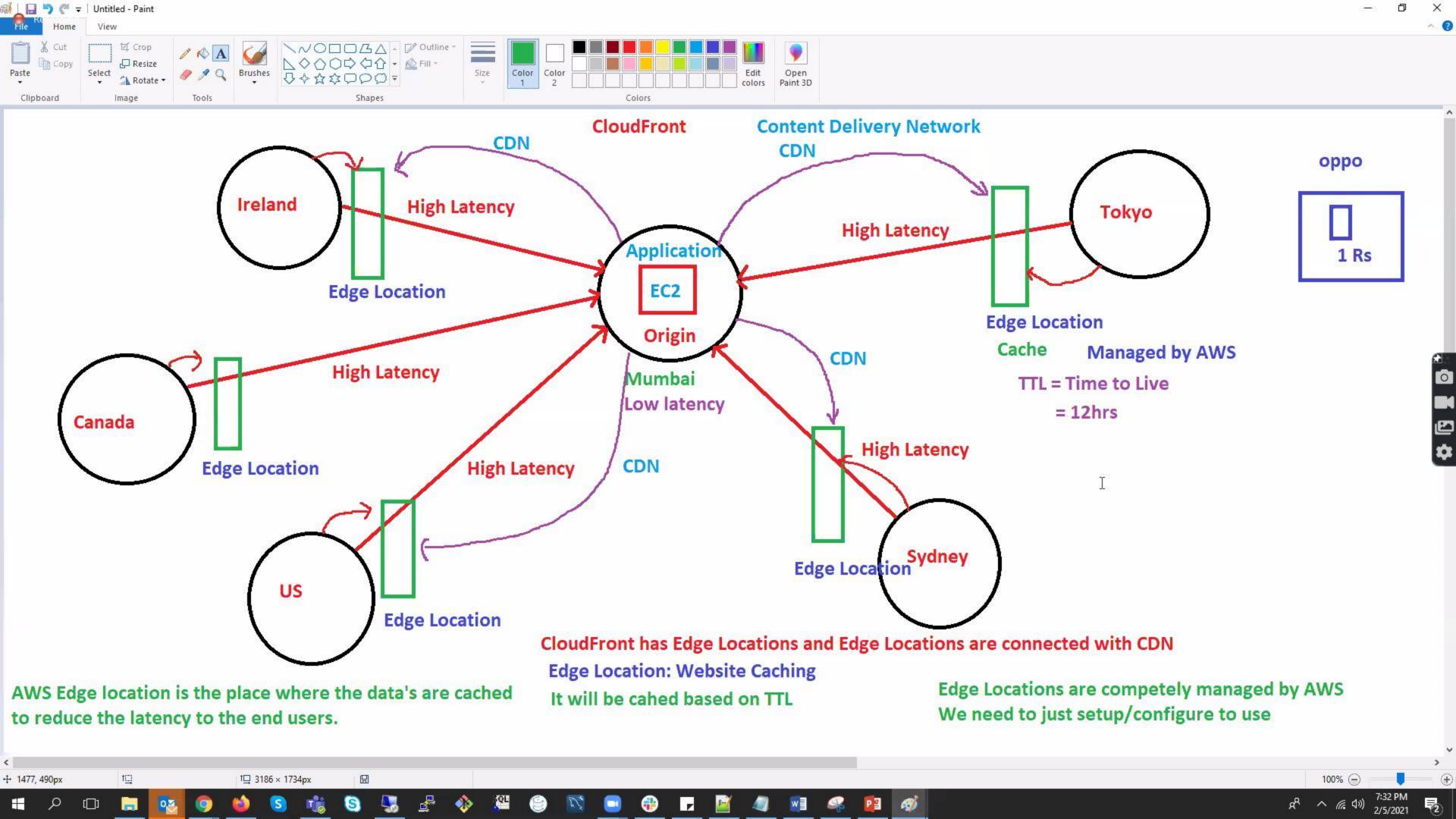


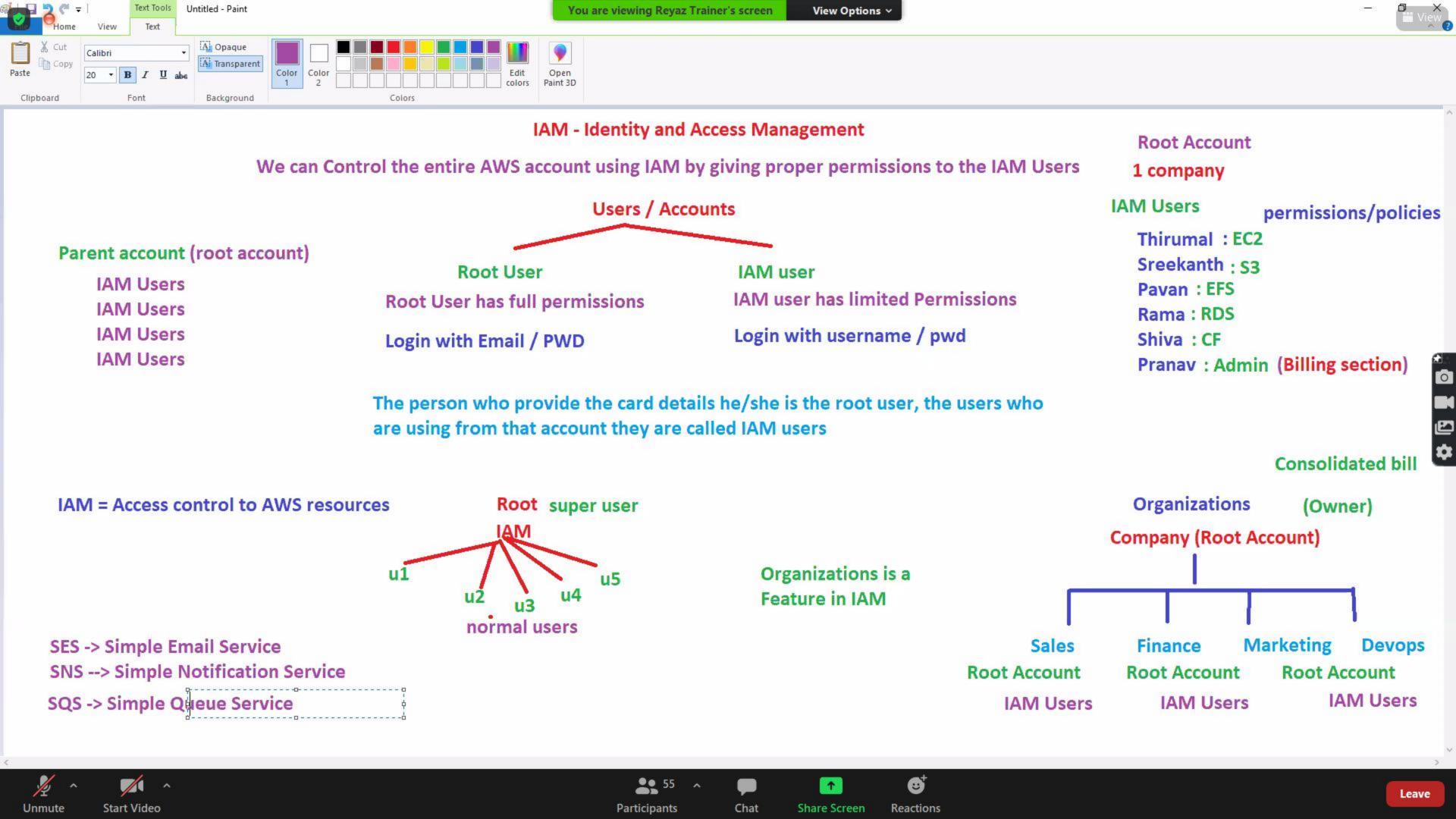


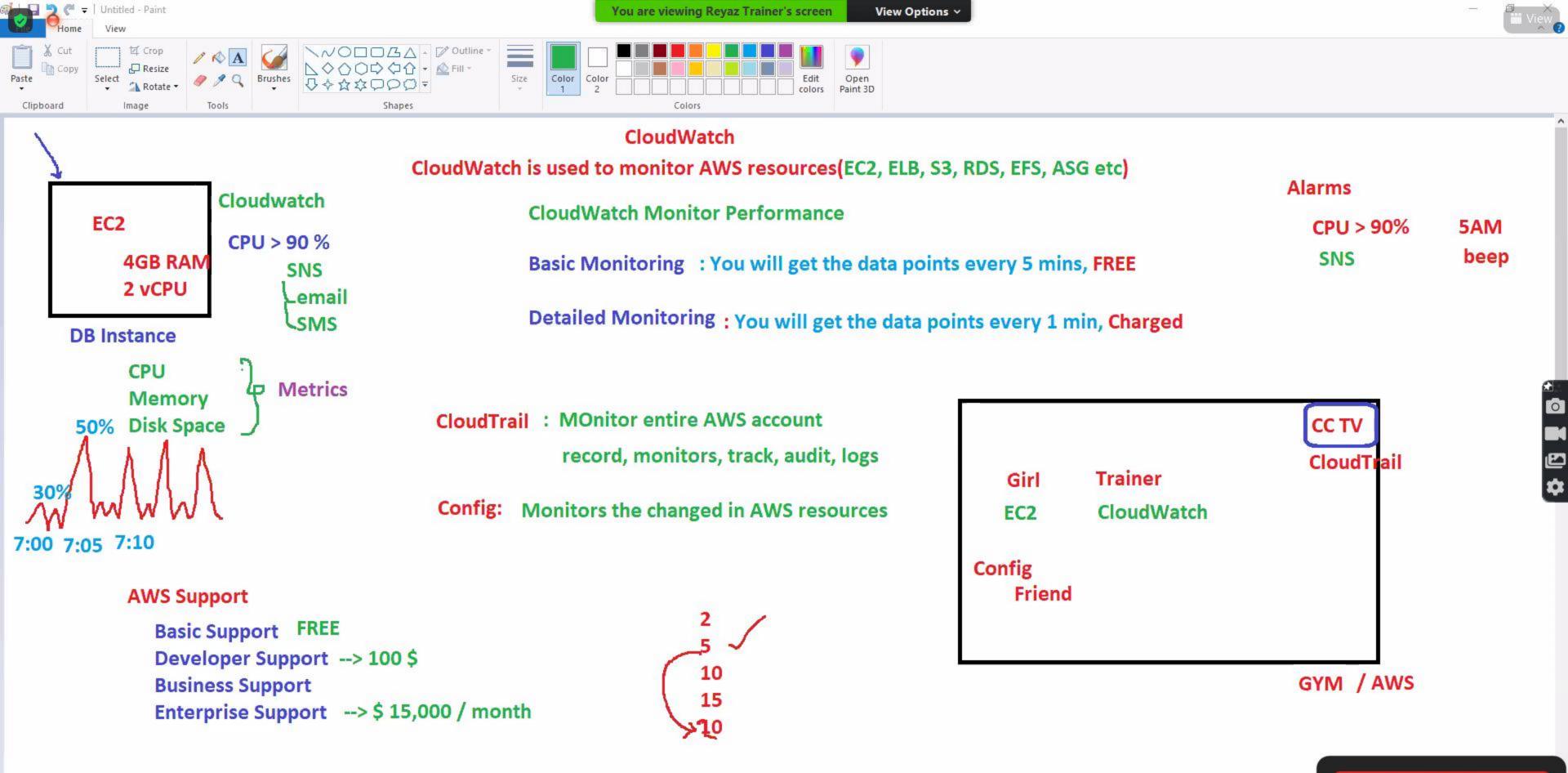












Leave Meeting