



# **Elastic File System(EFS)**

# What is EFS ?



- Amazon Elastic File System (EFS) is a **file storage service** for Amazon EC2 instances.
- EFS is easy to use and provides a simple interface that allows you to create and configure file systems quickly and easily.
- With Amazon EFS storage capacity is elastic, growing and shrinking automatically as you add and remove files.
- So your applications have the storage they need, when they need it.

# Features



- **Simple** – Easy to setup
- **Scalable** – Scale up or down in terms of infrastructure
- **Elastic** – grow and shrink automatically as you add and remove files
- **Managed** – Managed by AWS
- **Less Complex** – deploying, patching, and maintaining complex file system deployments by AWS
- At a same time one or more than one Amazon EC2 instances can access an Amazon EFS file

# Exam Tips



- Number of file systems for each customer account in an AWS Region – 1000
- Number of mount targets for each file system in an Availability Zone – 1
- Up to 128 active user accounts for each client can have files open at the same time
- Up to 32,768 files open at the same time on the instance

# Exam Tips



- Supports the Network File System Version 4 (NFSv4) protocol.
- You only have to pay for the storage you use(No pre provisioning is required.)
- Can scale up to petabytes.
- Can support thousands of concurrent NFS connections
- Data is stored across multiple AZ's within a region
- Read After Write Consistency.