lavraging storage services s3:Additional Storage Services

Questions	Notes
EC2 supports several storage options for your instances	EC2 supports several storage options for your instances.

Amazon Elsatic block store(EBS)	• EBS is storage device (called a volume) that can be attached to (or moved from) your instance
	• data persists when the instance is not running
	• can only be attached to one instance in the same AZ
	• Tied to one AZ
	• Recommended for
	  ○ Quickly accessible data
	  ○ running a database on an instance
	  ○ Long-term data storage

EC2 Instance store	• An instance store is local storage that is physically attachhed to rhe host computer and cannot be removed • Storage on disks physically attached to an instance • faster with higher I/O speeds • Storage is temporary since data loss occurs when the EC2 instnace stopped

Amazon elsatic file system (EFS)	• Only supports the Linux file system
	• More expensive tha EBS
	• Accessible acros different AZ in the same region
	• Recommended for:
	  ○ Main directories for buisness-critical apps
	  ○ Lift and shift existing entreprise apps

Storage Gateway	• Storage Gateway is a hybrid storage service
	• Connect On-premises and cloud data
	• supports a hybrid model
	• Recomnded for:
	  ○ moving backups to the cloud
	  ○ reducing costs for hybrid cloud storage
	  ○ low latency access data

aws backup	• aws backup helps you manage data backups across multiple aws services • Integrates with ressources like EC2, EBS , EFS and more • Create a backup plan that includes frequency and retention

Résumé

- EBS: understand the use cases for EBS
- EFS: don't forget EFS only supports linux file systems

- Instance store: don't forget instance store volumes are ephemeral or temporary
- storage gateway: storage supports hybrid models

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