

## AWS Storage Services & Keywords

Storage Service	Key Words / Clues	Exam Focus / Example
<b>Amazon S3 (Simple Storage Service)</b>	"Object storage", "store files / images / backups", "scalable", "durable (11 9's)", "pay-per-use"	Highly durable, infinite scale, static website hosting, archival, backups
<b>Amazon EBS (Elastic Block Store)</b>	"Block storage", "attached to EC2", "persistent volume", "boot volume", "database storage"	Virtual hard drive for EC2, persists after instance stops
<b>EBS Snapshots</b>	"Point-in-time backup", "incremental", "stored in S3"	Backup & recovery of EBS volumes
<b>EC2 Instance Store</b>	"Temporary storage", "ephemeral", "lost when instance stops/terminates", "super fast / low latency"	Scratch space, cache, buffers; <b>not persistent</b>
<b>Amazon EFS (Elastic File System)</b>	"Shared file system", "Linux / NFS", "scales automatically", "multiple EC2 access"	Shared storage across EC2, good for web servers and content management
<b>Amazon FSx for Windows File Server</b>	"Windows file system", "SMB protocol", "Active Directory integration", "shared storage"	Managed Windows file system for Windows workloads
<b>Amazon FSx for Lustre</b>	"High-performance file system", "HPC / ML / big data", "integrates with S3"	Compute-intensive workloads, temporary or fast-access storage
<b>Amazon Glacier / S3 Glacier</b>	"Archival", "long-term storage", "low-cost", "retrieval time in minutes to hours"	Backup, compliance, archival

## S3 Storage Classes & Keywords

Storage Class	Key Words / Clues	Exam Focus / Example
<b>S3 Standard</b>	"Frequently accessed", "high durability & availability", "low latency", "general purpose"	Default choice for active data

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<b>S3 Intelligent-Tiering</b>	"Access patterns unknown or changing", "automatic tiering", "optimize cost"	Automatically moves data between tiers for cost savings
<b>S3 Standard-IA (Infrequent Access)</b>	"Infrequently accessed", "cheaper than standard", "retrieval fee applies"	For backups, less frequent data
<b>S3 One Zone-IA</b>	"Infrequent access", "stored in a single AZ", "cheaper than Standard-IA"	Cost-sensitive, non-critical data
<b>S3 Glacier Instant Retrieval</b>	"Archive", "milliseconds retrieval", "low cost"	Archive data with fast retrieval
<b>S3 Glacier Flexible Retrieval</b>	"Archive", "minutes to hours retrieval", "low cost"	Long-term backups, compliance storage
<b>S3 Glacier Deep Archive</b>	"Archive", "12 hours retrieval", "cheapest", "long-term storage"	Rarely accessed, regulatory / archival data
<b>S3 Outposts</b>	"On-premises storage", "AWS-managed S3 storage locally"	For hybrid workloads / local compliance