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Storage



AWS Backup

What?

- AWS Backup is a fully managed service to centralize and automate data protection across on-premises and AWS services.
- It works across AWS services for compute, storage and databases and allows you to define Backup plans, schedule backups, automate backup retention management, centrally monitor backup activity, and restore backups.

Why?

- Protecting your data is an important step to ensure that you meet your business and regulatory compliance requirements.
- AWS Backup provides automated backup schedules, retention management, and lifecycle management, removing the need for custom scripts and manual processes. You can also apply backup policies to your AWS resources by simply tagging them.

When?

- You need a centralized console to automate and manage backups across AWS services and hybrid environment (data stored in AWS Storage Gateway volumes and VMware workloads, on premises and VMware Cloud on AWS).
- You want to use backup policies to align your backup strategy with your internal or regulatory requirements.

Where?

- It is regional service and stores backups in a backup vault - an encrypted storage location in your AWS account in a region.
- AWS Backup supports following AWS service: Amazon EBS, Amazon EC2, Amazon RDS / Amazon Neptune / Amazon DocumentDB, Amazon DynamoDB, Amazon EFS and Amazon FSX, AWS Storage Gateway volumes, and Amazon S3.

Who?

- You can create backup policies called backup plans that enables you to define your backup requirements and then apply them to the AWS resources you want backed up.
- You can also configure Cross-Region and Cross-Account backups across your AWS accounts within your AWS organizations.

How?

- AWS Backup allows you to define a central data protection policy (called a backup plan) that works across AWS services for compute, storage, and databases. The backup plan defines parameters such as backup frequency and backup retention period. Once you define your data protection policies and assign AWS resources to the policies, AWS Backup automates the creation of backups and stores those backups in an encrypted backup vault that you designate.

How much?

- Backup storage pricing - amount of storage space your backup data consumes (GB-month)
- Restore pricing - amount of data restored for the month (per GB)
- Additional charges apply for Cross-Region data transfer and AWS Backup Audit Manager usage.

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