So hello everyone , This is nouman shafiq ,

I was working on Skysuit Ticket SS-7 and SS-8 .

To Implement automated service level backup using AWS Backup.

Lets dive into the contents

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So Let start with first historical look at backup models , so there are multiple models for backing up data.

Historically backup was done by on premises within corporate datacenters utilizing

backup software media servers,

dedicated backup appliances.

The long-term retention they were typically achieved on tape and taken offsite, typically get third party services.

this model is still employed widely today.

So answer of the new cloud and merge where by they cloud could be utilize as backup target with data access to the cloud enable by the use of gateway devices such as aws storage gateway or by native cloud connector offered by most backup enterprises.

This allowed the customers the opportunity to eliminate backup storage appliances in favor of remote more scalable cloud resources as an alternative.

Look at the third model cloud native model customer running workloads having need to backup those resources just like corporate datacenters.

Need to manage backup operations.

And

protect the data within the aws cloud.

So today I am going to do to introduce new services from AWS called AWS Backup and discuss ways the AWS backup can assist in some of the challenges of protecting your data in AWS cloud.

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To overcome these challenges AWS lunched AWS Backups that use to manage centrally manage and automate backups across AWS services . its backing both in cloud and on premises through the use of storage gateway.

So Lets dive into the some of the features of the AWS Backup.

AWS Backup provide centralized backup management for the resources on the AWS platform, introduces centralized backup console, set of APIs that offers backup scheduling , retention management and backup monitoring.

AWS Backup enables the creation of central Backup policies that can be uniformly utilize across AWS services to ensure corporate level backup compliance and standards are met. Its capability allows us to more effective enforce policy, conduct audits, ensure compliance with regulatory requirements.

And top that backup is been designed to cost effective and easy to use.

So Lets dive into the some of the features of the AWS Backup.

AWS backup is build around Backup Plan or set of rules that defines the backup attributes .

The attributes include items such as when to start the backups the duration of the backup window, the type of backup incremental and retention period.

One of the core capabilities is aws backup is the ability utilize tags to effect the backup resource you like to protect. Once backup plan is created . you can assign AWS resources such as

EBS volumes

EFS file systems to the backup Plan

And AWS backup will start automatically backing up the resources and managing backup retention according to backup plan .

You can use AWS backup central console aws resource is being protected and monitor and restore activity.

For EFS AWS back up have capability of lifecycle (backup to cold storage)