
AWS
re:Invent
NOV. 28 – DEC. 2, 2022 | LAS VEGAS, NV

STG207

Data protection and governance on AWS

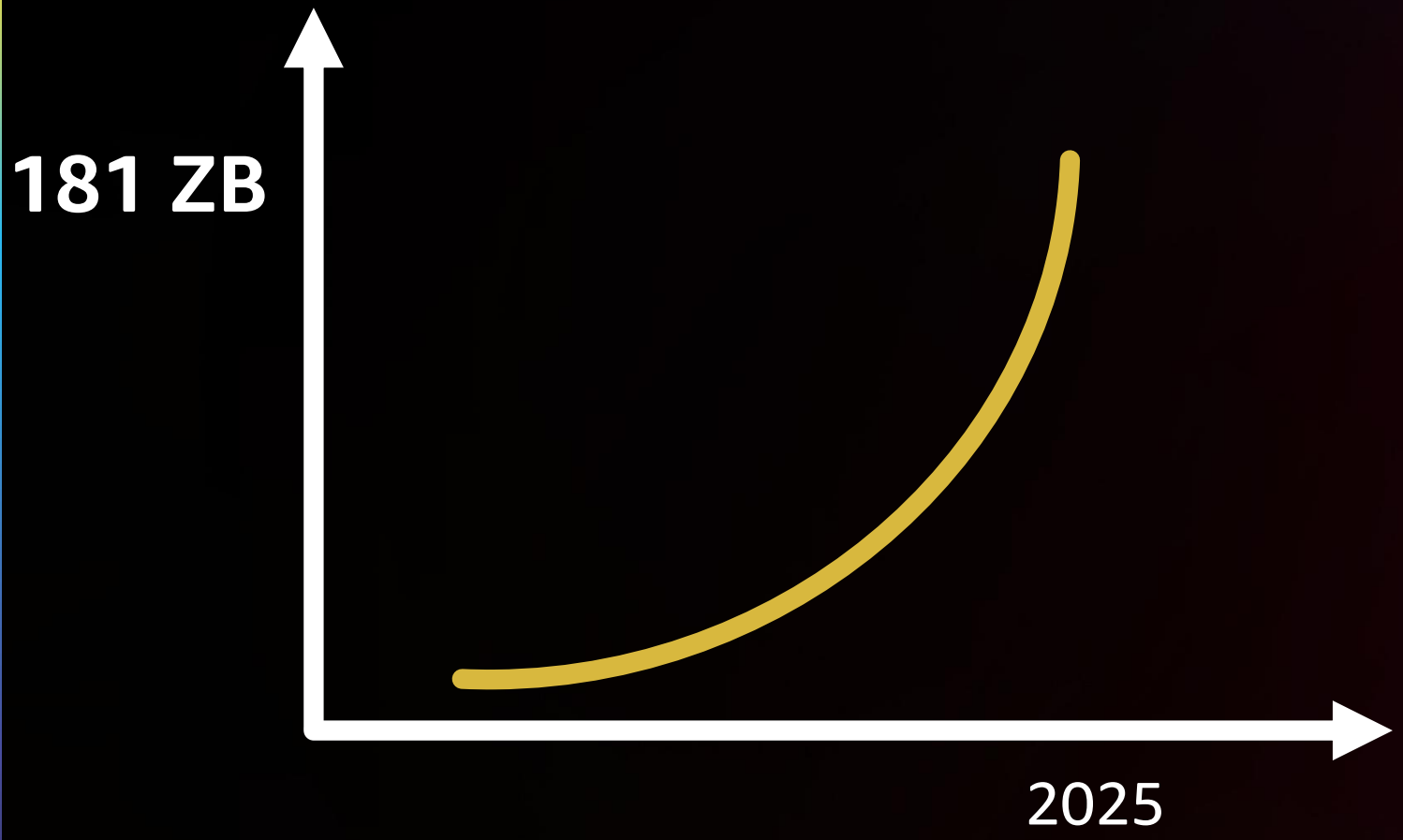
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Principal Product Manager,
AWS Data Protection
AWS

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Sr. Storage Specialist SA
Service-aligned Specialist - WWSO
AWS

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Principal Cloud Architect
Asurion

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Welcome to the Zettabyte Era

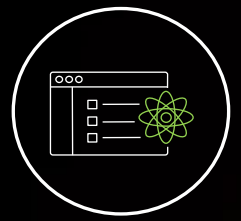


- Data is **growing**
- Data contains **value**
- Data needs **protection + governance**

Source: Worldwide Global DataSphere Forecast, 2021–2025, https://www.idc.com/getdoc.jsp?containerId=US46410421

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Cloud-native data protection challenges



Complexity

- Siloes
- Scripts
- Sprawl



Compliance

- Manual
- Messy
- Maintenance



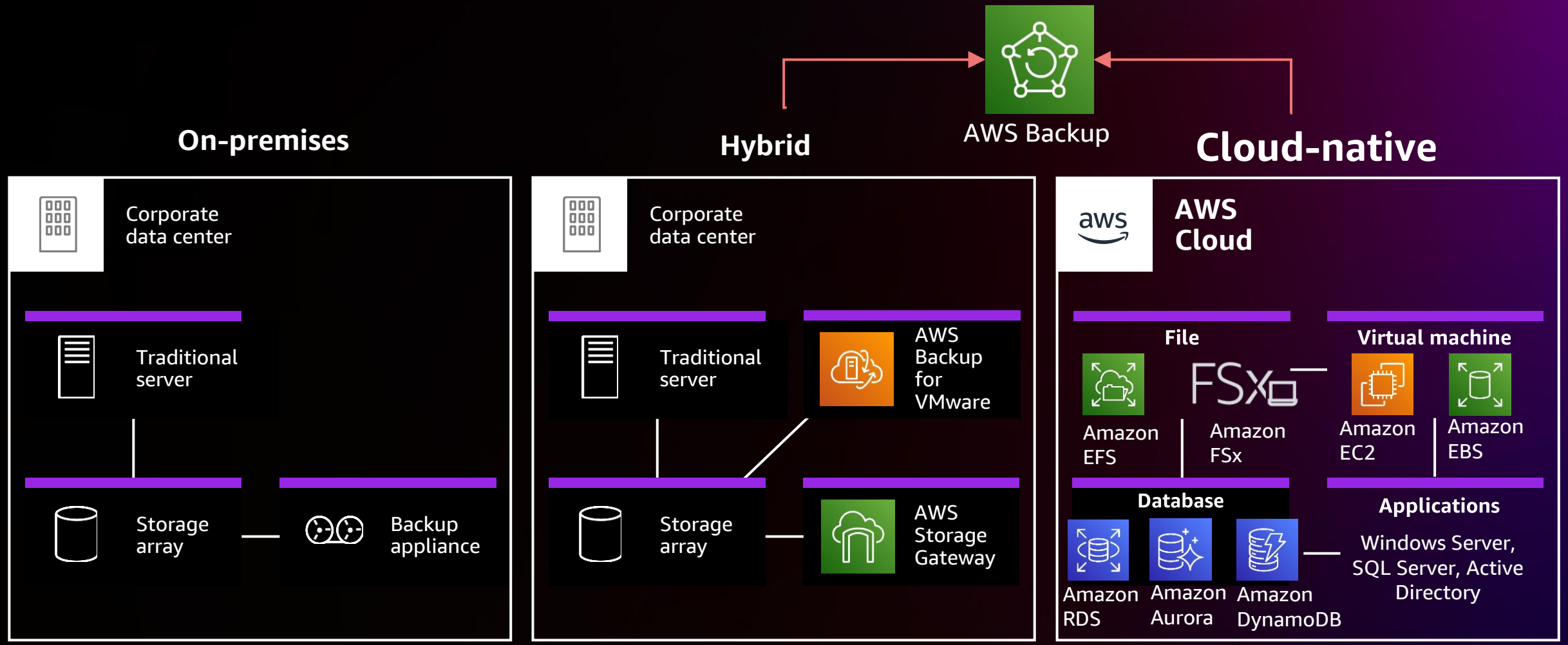
Cost

- Tech
- Talent
- Time

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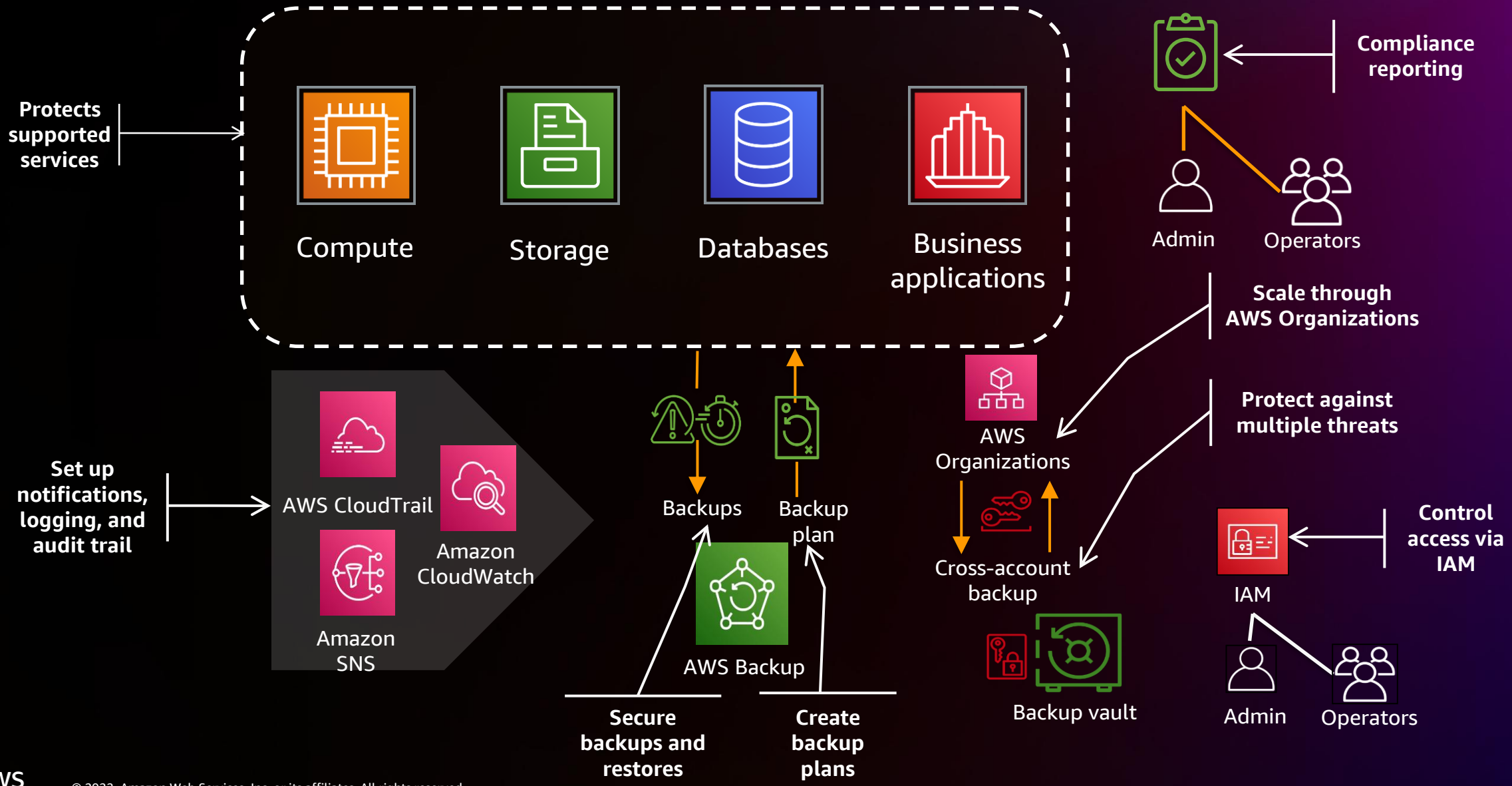
An AWS solution for centralized data protection



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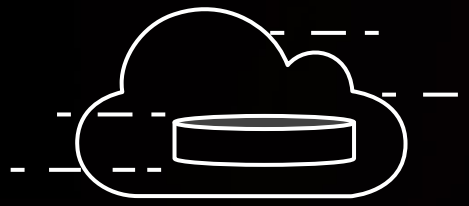
How AWS Backup works



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Use cases

Cloud-native backups



Protect your critical data across AWS services

Compliance



Simplify management of business and regulatory compliance

Disaster recovery

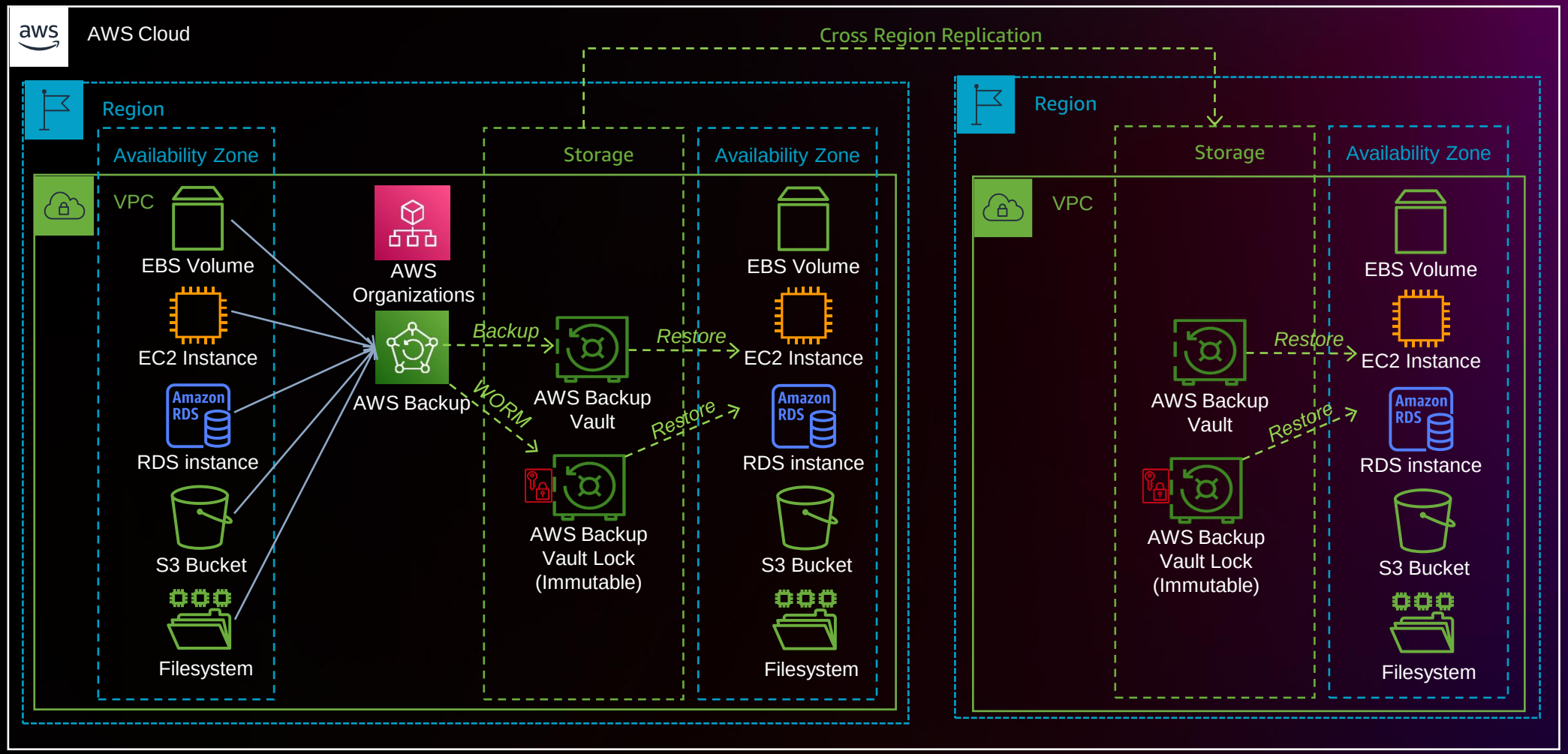


Reduce risk of downtime and build foundation for business continuity

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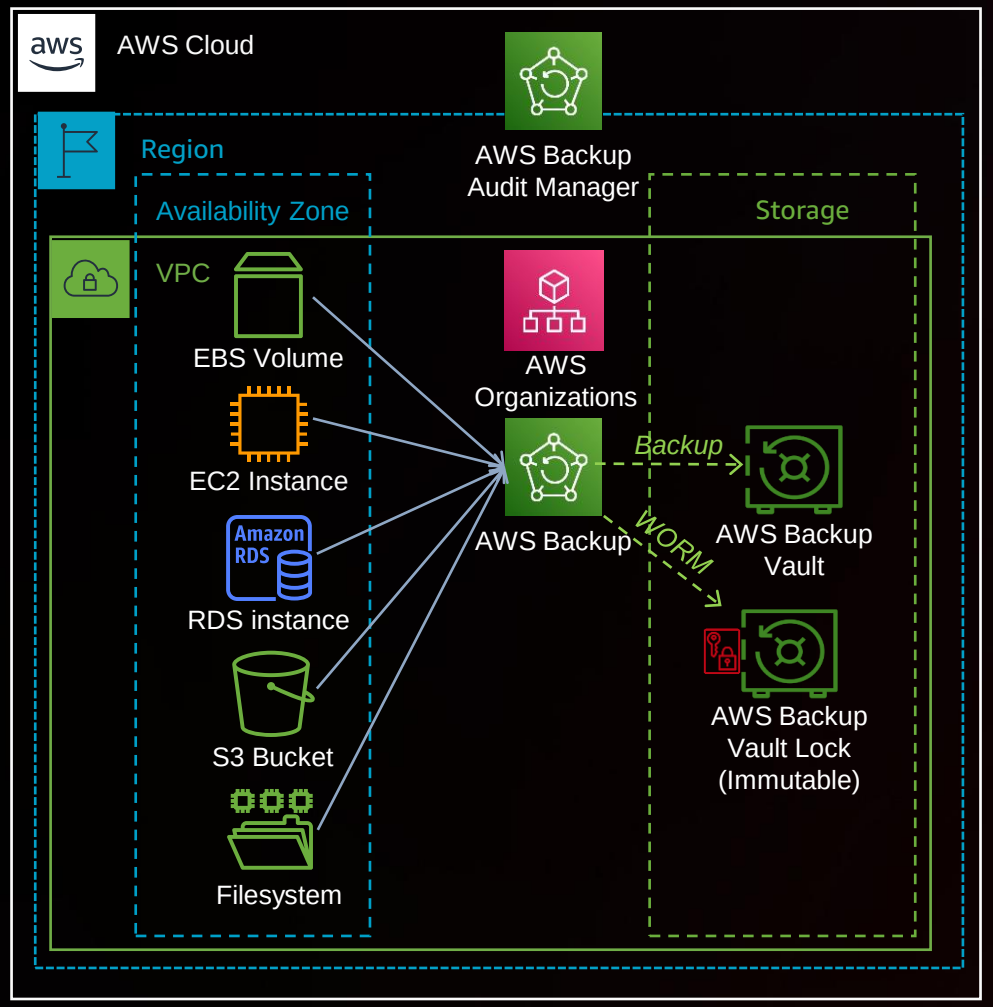
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AWS Backup for cloud native



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AWS Backup Audit Manager



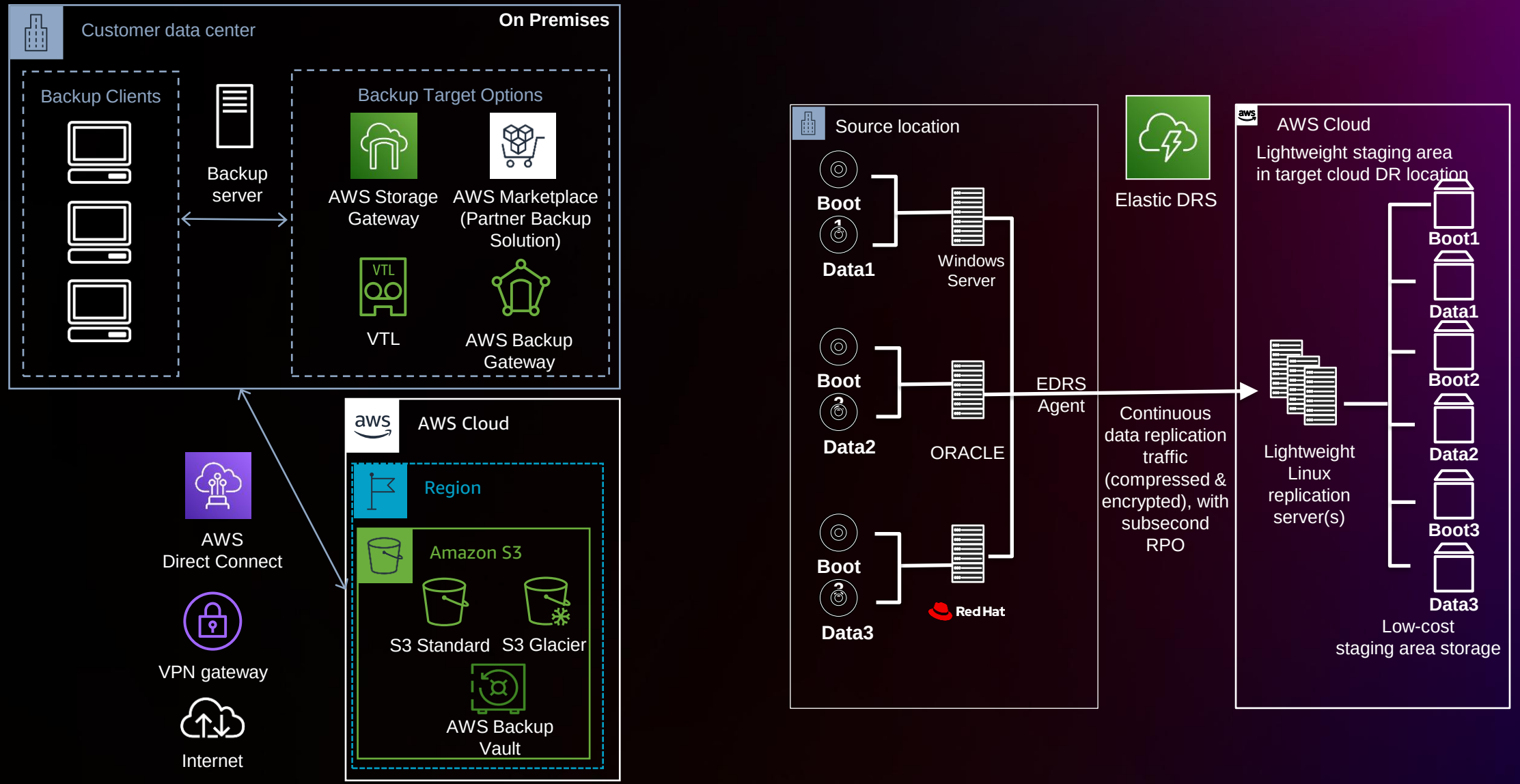
AWS Backup Audit Manager



- Resources are protected by a backup plan
- Backup plan minimum frequency and minimum retention
  Frequency: 1 day, retention: 1 month
- Vaults prevent manual deletion of recovery points
- Recovery points are encrypted
- Minimum retention established for recovery point
  Retention: 1 month
- Cross-Region backup copy scheduled
- Cross-account backup copy scheduled
- Backups protected by AWS Backup Vault Lock
- Last recovery point created - *new*
  Frequency: 1 day

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Hybrid solution for disaster recovery



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AWS Backup customer stories

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Who is Asurion?

asurion

- Industry: Information technology
- Country: United States
- Employees: 23,000+
- Website: Asurion.com

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What?

asurion

The challenges

- Asurion required a single solution to standardize, monitor, report, and audit data protection across multiple platforms
- Prevent orphaned and noncompliant retention backups

The desired business outcomes

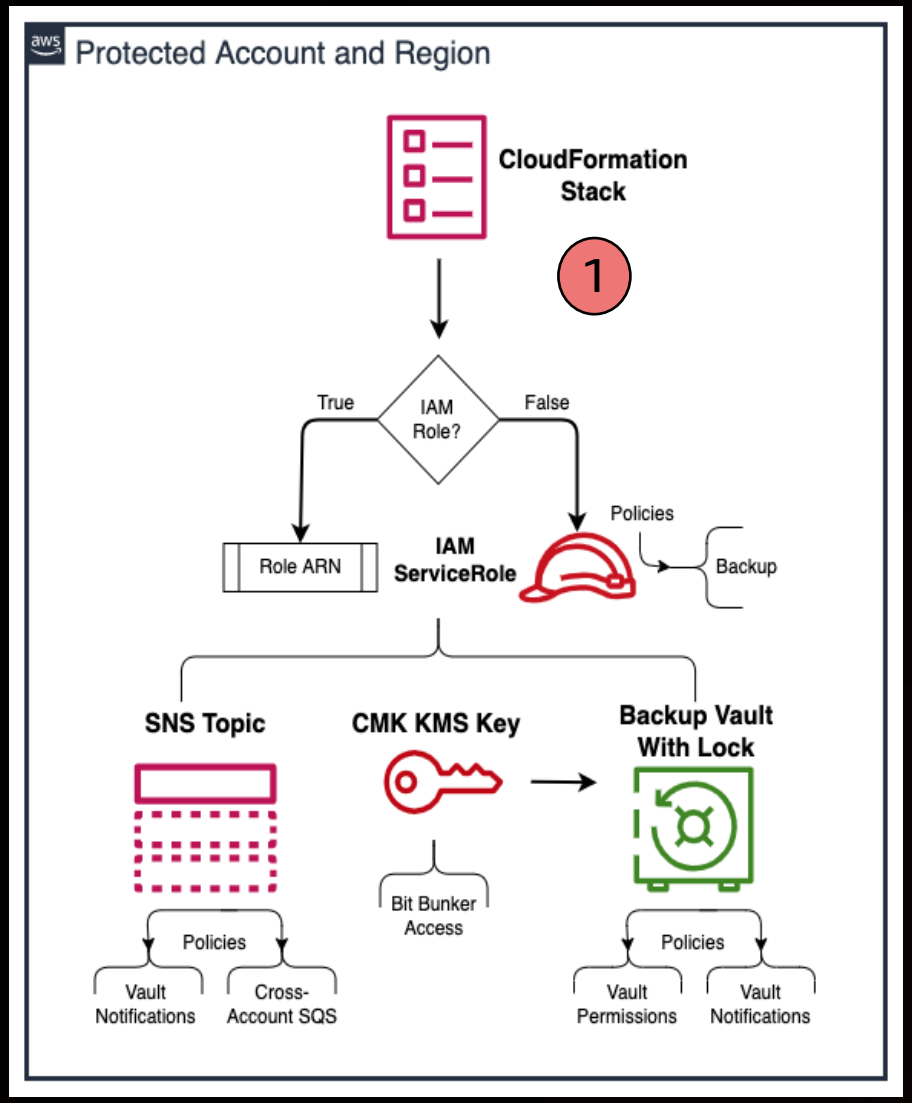
- Ensure compliance
- Strengthen ransomware and “bad actor” protection
- Simple deployment and adoption
- Use SME experience for cloud data protection

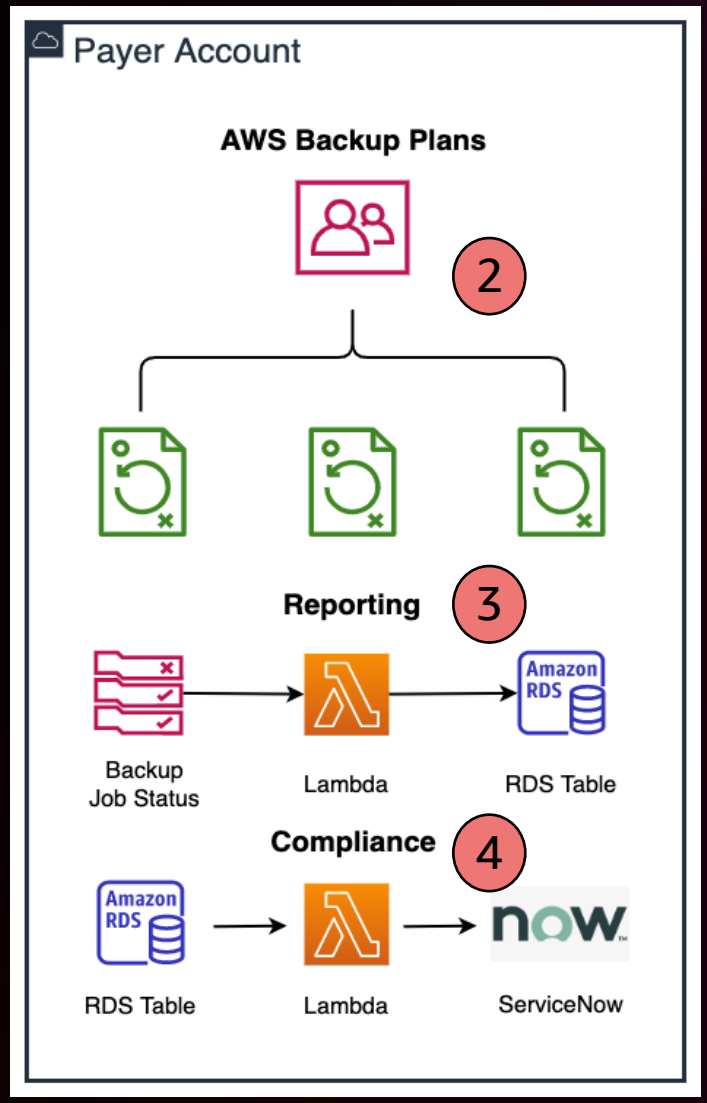
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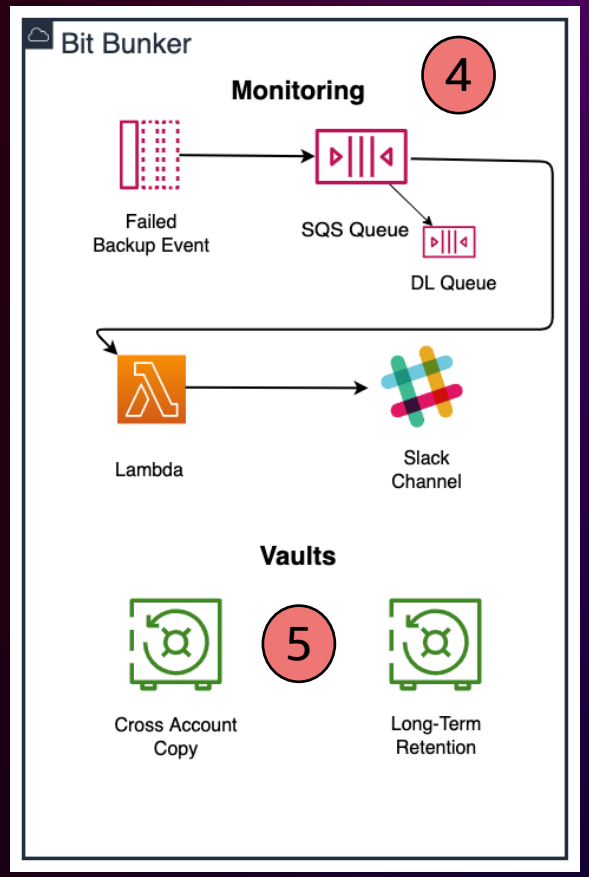
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Delivered with AWS Backup

asurion







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Summary

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Lessons learned

- Learn CloudFormation (or IaaS)
- Easy to understand backup policy naming standard
- Don’t use the default KMS key for your Vaults
- Implement cost allocation tags on Recovery Points
- AWS Backup is just a part of your recovery strategy

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Notable AWS Backup launches in 2022

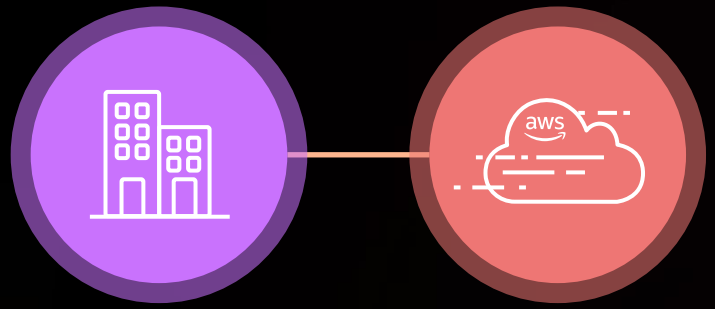
Cloud-native and hybrid support
Amazon S3 backup Amazon S3 cross-Region, cross-account backup
Amazon FSx for NetApp ONTAP backup Amazon FSx for OpenZFS backup
VMware Cloud on AWS Outposts backup Amazon Privatelink integration for VMware backup

Compliance and governance support
AWS Backup Audit Manager controls Last recovery point created Backups protected by AWS Backup Vault Lock Cross-account copy scheduled Cross-Region copy scheduled
AWS Backup Vault Lock retention modes Governance mode Compliance mode

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AWS Backup expands support of resources



Both on-premise and cloud data

Modern Apps — re:Invent — Application-aware support for CloudFormation and Infrastructure-as-Code

Modern Analytics — re:Invent — Amazon Redshift and SAP HANA on EC2

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re:Invent

AVAILABLE NOW

New compliance capabilities on AWS Backup

AUDIT AND REPORT WITH INSIGHTS ON COMPLIANCE STATUS OF DATA PROTECTION FRAMEWORKS



Cross-Region, cross-account support for organization-wide visibility and management

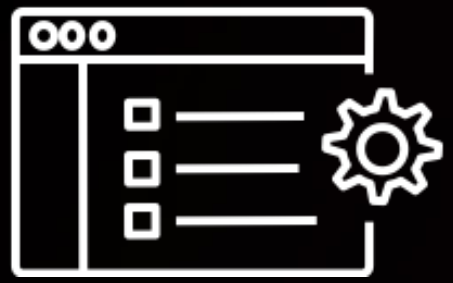
Legal holds prevent deletion of backups for e-Discovery use cases

Cohasset certifies Vault Lock for Sec-17a, FINRA 4511(c), and CFTC 1.31(c).

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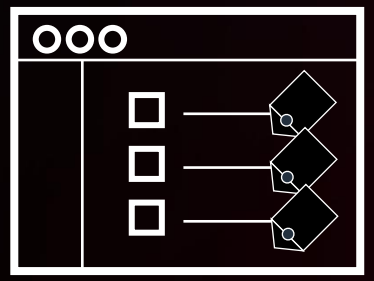
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Getting started with AWS Backup



Define your backup policy

Step 1



Assign resources to the backup policy

Step 2



Manage and monitor backups with AWS Backup Audit Manager

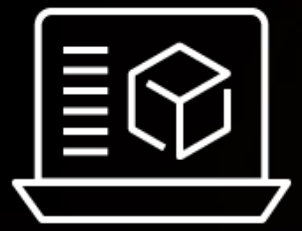
Step 3

aws.amazon.com/backup

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