Agenda

Time	AWS & Veeam – How we got here
Time	Why AWS & Veeam?
Time	VBR v12 & AWS – Keys to success
Time	Veeam Portfolio Q&A

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Why AWS?

Choice of storage class to optimize cost

Immutability

Compute capacity for restore (migration, modernization, ransomware detection/recovery)

Amazon S3

Hundreds of thousands of data lakes

Unmatched security, compliance, and audit capabilities

$1B+ saved with Amazon S3 Intelligent-Tiering

Amazon S3

As low as **$0.00099** per GB-month

280+ trillion objects
100+PB replicated per week
4B+ checksum/second

Integrated with **broadest** set of analytics and ML capabilities

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Amazon S3 Storage Classes

MILLISECONDS

MINUTES TO HOURS

S3 Standard

S3 Standard-Infrequent Access

S3 Glacier Instant Retrieval

S3 Glacier Flexible Retrieval

S3 Glacier Deep Archive

S3 One Zone IA

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*S3 Intelligent-Tiering IS not currently supported
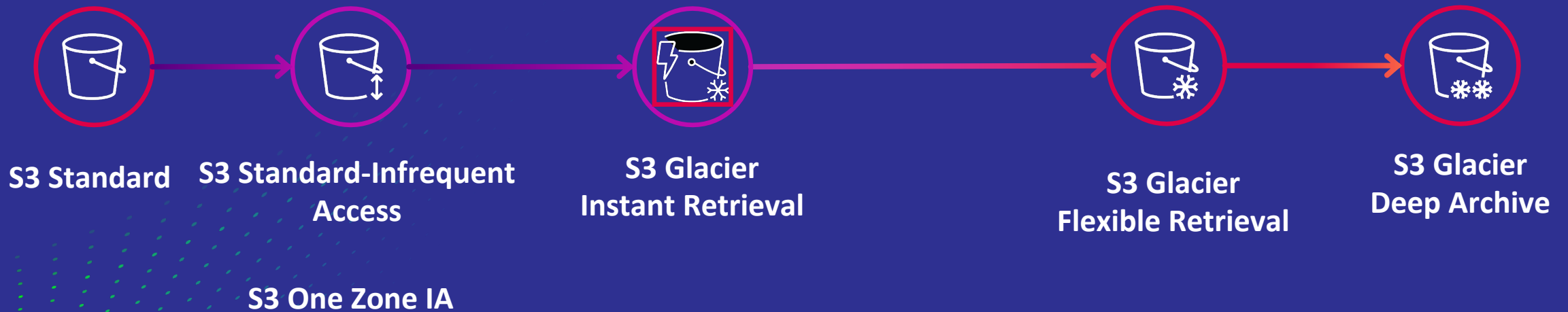
Veeam and AWS

Veeam Backup & Replication v12 is the foundation of the new Veeam Data Platform, advancing enterprise-grade recovery that ensures confidence in the face of disaster or cyber-attacks

Veeam Backup for Microsoft 365 v7 brings immutable backup copies and cross product integrations

Veeam Backup for AWS v6 adds immutability and encryption for a comprehensive protection of AWS data

Direct to Object & Immutability

Backup Directly to AWS S3

Use all S3 Storage Classes*

Veeam Backup & Replication v12

- No Need for a local repository
- Support NAS Direct to Object
- Windows / Linux Agents Support
- Immutable GFS Backups

Veeam Backup for M365 v7

- Immutable backups for:

  Exchange Online

  SharePoint Online

  OneDrive for Business

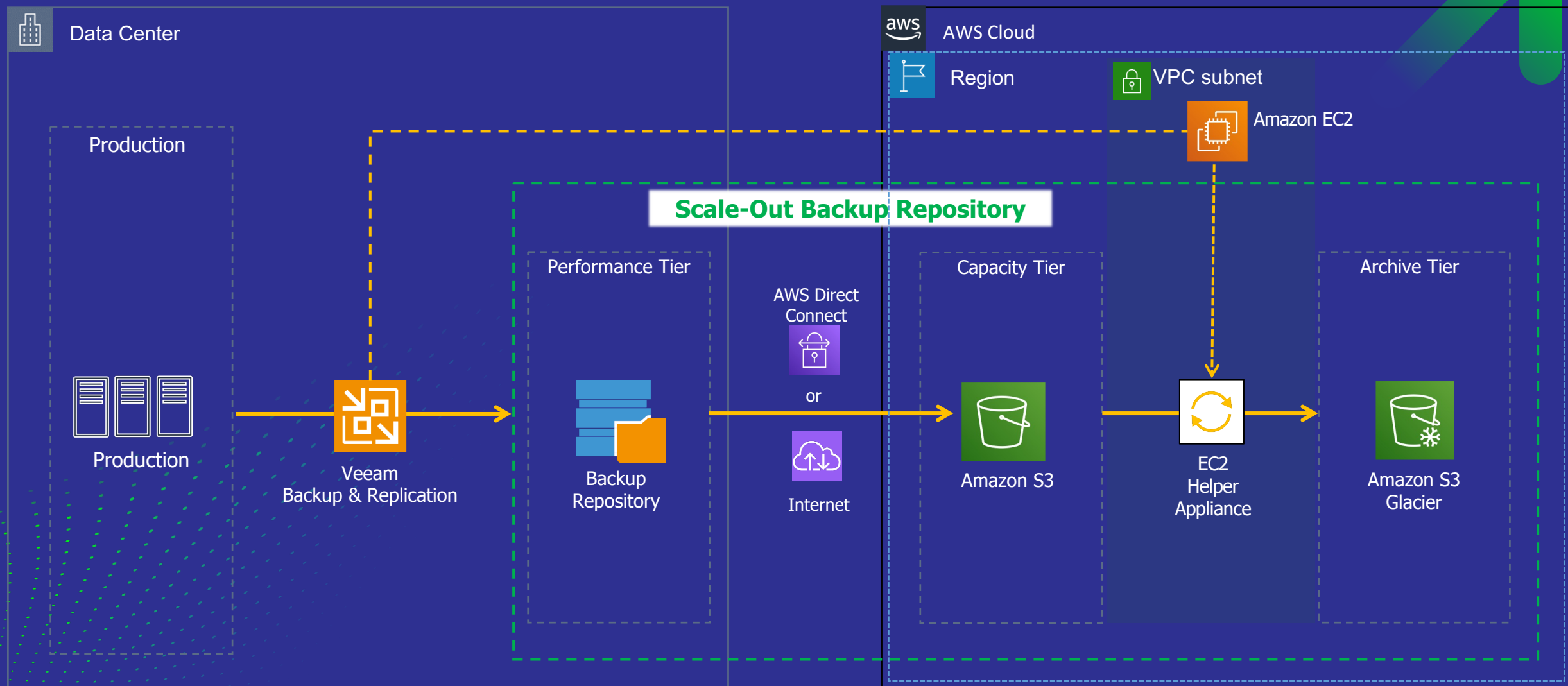 Microsoft Teams

Veeam Backup for AWS v6

- Backup your EC2 Instances, RDS DB's, EFS and VPC Configuration
- Integrate with Veeam Backup & Replication

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Veeam Backup & Replication v12

VBR Prior to v12

Data Center

Production

Production

Veeam
Backup & Replication

Scale-Out Backup Repository

Performance Tier

Backup
Repository

AWS Direct
Connect

or

Internet

AWS Cloud

Region

VPC subnet

Amazon EC2

Capacity Tier

Amazon S3

EC2
Helper
Appliance

Archive Tier
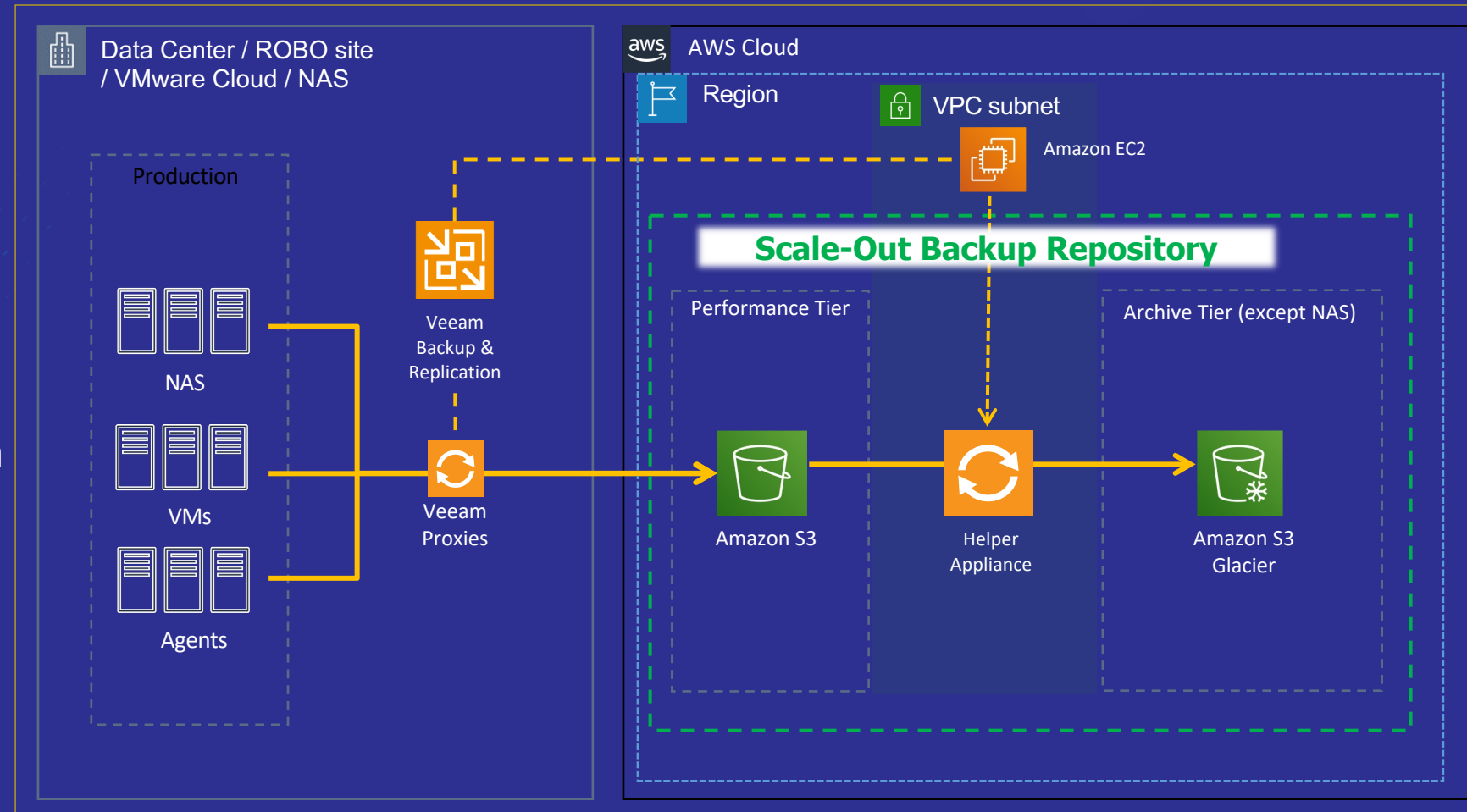
Amazon S3
Glacier

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Amazon S3 as Performance Tier: D2O

Like Capacity Tier, plus
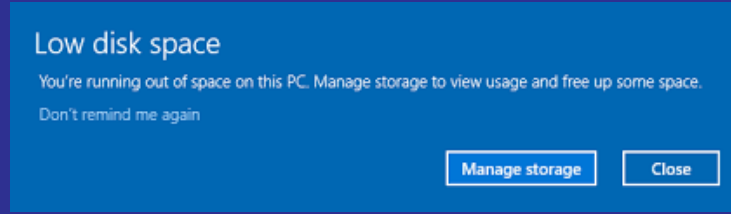
Health checks, restores

Proxy / Agent writes direct

Agents, VMC, ROBO sites with sufficient bandwidth

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D2O Use Cases

- Space/refresh
- Backup Move
- ROBO
- VMC on AWS
- EC2 agent
- S3 on Outposts
- Snow family

Low disk space

You're running out of space on this PC. Manage storage to view usage and free up some space.

Don't remind me again

Manage storage   Close

Follow the 3-2-1-1-0 rule

3 Three different copies of data

2 Two different media
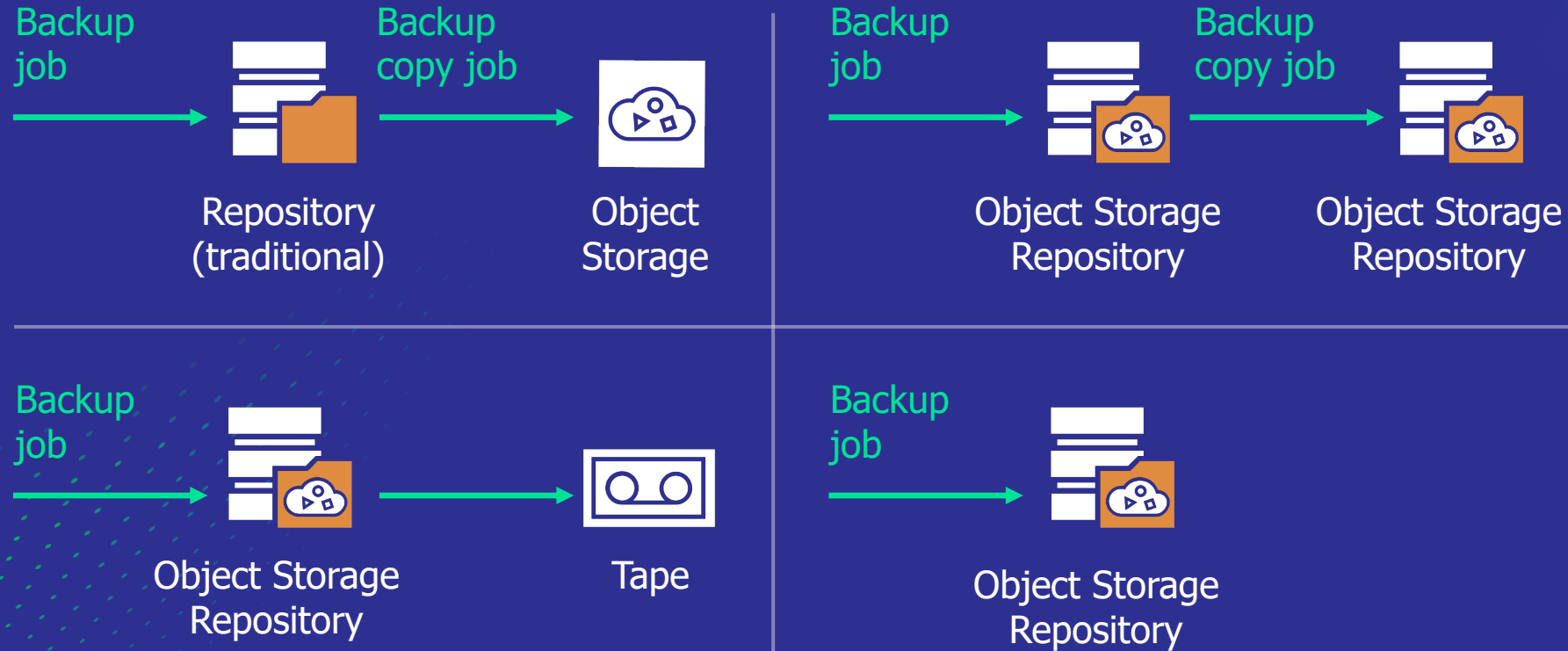
1 One offsite copy

1 One of which is offline, air-gapped, or immutable

0 No errors after automated backup testing and recoverability verification

Veeam Backup and Replication to S3

Bandwidth Impact on Backup Window

	Time to transfer		
	@100Mbps	@1Gbps	@10Gbps
10GB	13 minutes	80 seconds	8 seconds
100GB	2.2 hours	13 minutes	80 seconds
1TB	22 hours	2.2 hours	13 minutes
10 TB	9 days	22 hours	2.2 hours
100 TB	95 days	9 days	22 hours
1 PB	2.5 years	95 days	9 days

Additional Veeam Products and AWS

Veeam Backup for AWS v6

Relentless security

Isolated backups
Logical separation of backup data from production projects

Secure access
Least-privilege IAM and role-based access control (RBAC)

Immutable and encrypted
Data integrity through WORM state and encryption

Fast, reliable recovery

Recover anywhere
Cross-project, cross-region and cross-platform[1] restores

Full- and file-level
Full instance or granular recovery, in-place or as new

Simplified recovery
Wizard-driven, automated and self-service workflows

Zero compromise

Policy-based
Automated detection and protection with native backups

Cost-optimized
Backup lifecycling to object storage with cost calculations

Hybrid Ready
Operationally consistent management across the hybrid- and multi-cloud[1]

[1] When combined with Veeam Backup & Replication™

VB365: Backup Copy Immutability Benefits

Get peace-of-mind that Microsoft 365 data is out of reach from attacks

Immutable defense
Ensure that Microsoft 365 data is ransomware-proof – unable to be changed or deleted

Data separation
Establish true data separation with agnostic, immutable backup copies

Recovery confidence
Data can be recovered with ease without any missing or corrupt data

Veeam on AWS Marketplace

tinyurl.com/VeeamOnAWSMarketplace

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Q&A

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