



Veeam Data Platform

Resilience with Veeam Recovery Orchestrator



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Veeam Data Platform

Secure Foundation

Cyber Resilience

Enterprise Resilience

Zero Trust Data Resilience

AI Guidance

Secure Data Storage

Detect + Identify Threats

Security & Observability

GenAI Insights

Recovery Orchestration and Compliance

Threat Assessment

Pre, During and Post Incident Response

Data Protection & Verified Recovery

On-demand Assistance

Predictability, Security & Ease

AI Powered Inline Malware Detection, File System Analysis

YARA, Threat Hunter & IoC Tools Scanner

Security Integrations: SIEM/SOAR

Veeam Threat Center

Trends & Decision Support

Orchestrated Recovery & Validation

Audit & Compliance Reporting

Proactively Identify Threats

SWAT Team & Incident Response

Consulting & Quarterly Assessments & Warranty

Cyber Secure Program



Premium



Advanced



Foundation



Veeam Backup & Replication



Veeam ONE



Veeam Recovery Orchestrator



Coveware Recon Scanner



Veeam Cyber Secure Program



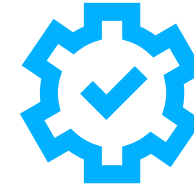
Veeam Vault

Why Veeam...

Proven recovery orchestration

Be compliant and ready
for disaster with
orchestrated recovery

Automate tests to highlight
potential impacts to your
recovery



**Automated
testing**

Take the headache out
of documentation and
compliance



**Automated
documentation**

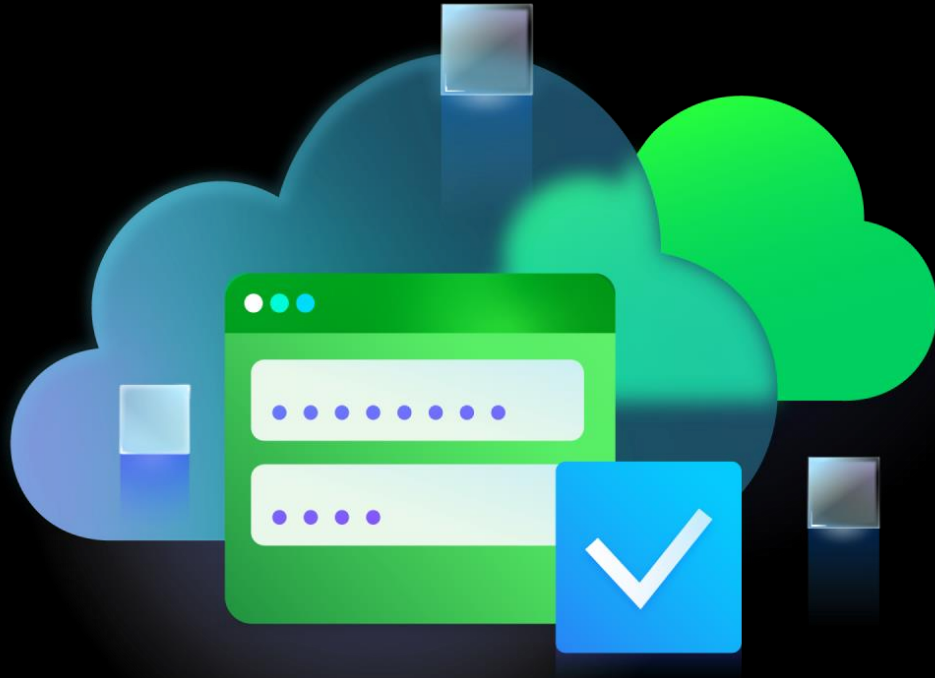
Recover faster
from any disaster



**One-click
recovery**

Multi-factor authentication

- ✓ Enable and disable globally
- ✓ View MFA status for all users
- ✓ Enforced for login to UI only - not for plan execution
- ✓ Reset MFA for any user



Supported Orchestration Methods

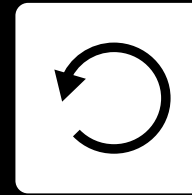
Recovery Methods

Agent & Agent-less Backups

Replication

Continuous Data Protection

Storage Snapshots



Veeam Orchestrator Server Components



Veeam Orchestrator Server



Veeam Orchestrator Server
Service and Web IU



Veeam Backup & Replication
Server (embedded)



Veeam ONE Server
(embedded)



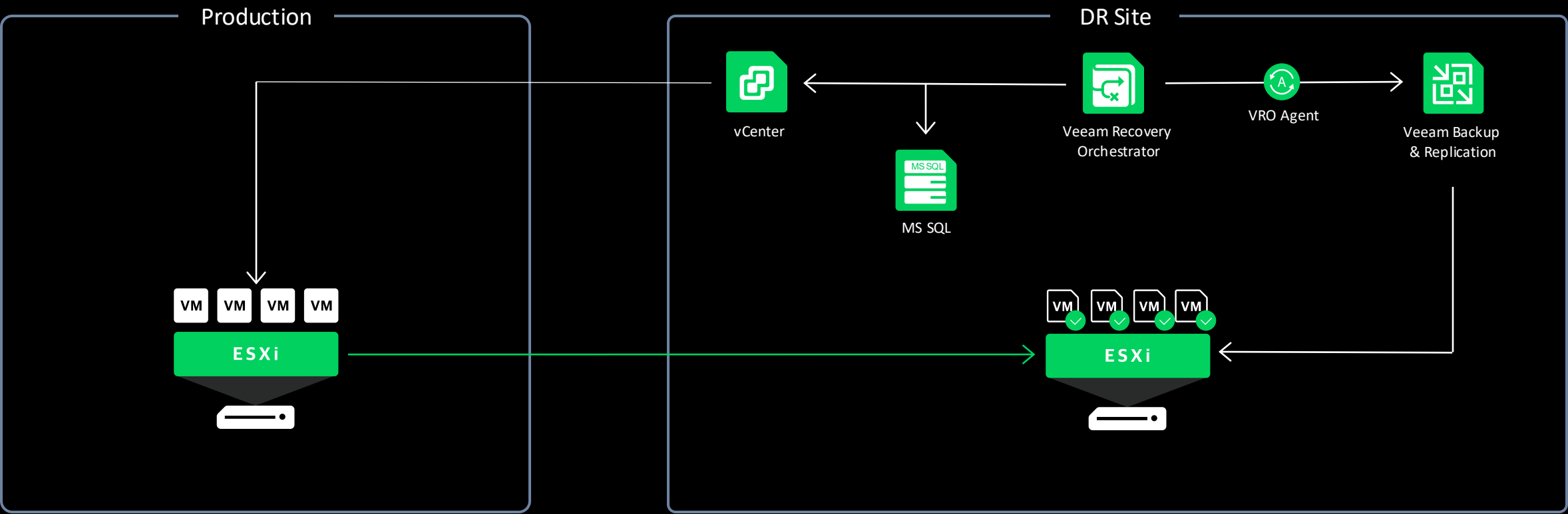
MS SQL Database

Sizing Veeam Recovery Orchestrator

Number of Protected Systems*	1–1500	1500–5000	5000–10000	10000–20000+
CPU	4 vCPUs – 8 vCPUs for the Orchestrator server 4 vCPUs – 8 vCPUs for the Microsoft SQL Server	10 vCPUs for the Orchestrator server 10 vCPUs for the Microsoft SQL Server	12 vCPUs for the Orchestrator server 12 vCPUs for the Microsoft SQL Server	>20 vCPUs for the Orchestrator server >20 vCPUs for the Microsoft SQL Server
Memory	12 GB for the Orchestrator server 8 GB for the Microsoft SQL Server	40 GB for the Orchestrator server 40 GB for the Microsoft SQL Server	70 GB for the Orchestrator server 70 GB for the Microsoft SQL Server	>70 GB for the Orchestrator server >70 GB for the Microsoft SQL Server
SQL Server	N/A	N/A	Disk IOPS 1000 (minimum)	Disk IOPS 2000 (minimum)
Hard Disk Space	30 GB for product installation and sufficient disk space for the Veeam ONE database (if installed locally). Use the Veeam ONE Database Calculator to size application data. 20 GB for the Microsoft SQL Server. By default, the Microsoft SQL Server database grows as follows: <ul style="list-style-type: none">•~1Mb per one Readiness Check Report or Plan Execution Report for a plan that includes 10 machines.•~10Mb per one Readiness Check Report or Plan Execution Report for a plan that includes 100 machines.•~100Mb per one Readiness Check Report or Plan Execution Report for a plan that includes 1000 machines. Note: SSD disks are recommended to use with the Microsoft SQL Server.			

https://helpcenter.veeam.com/docs/vro/userguide/system_requirements.html?ver=70#hardware-recommendations

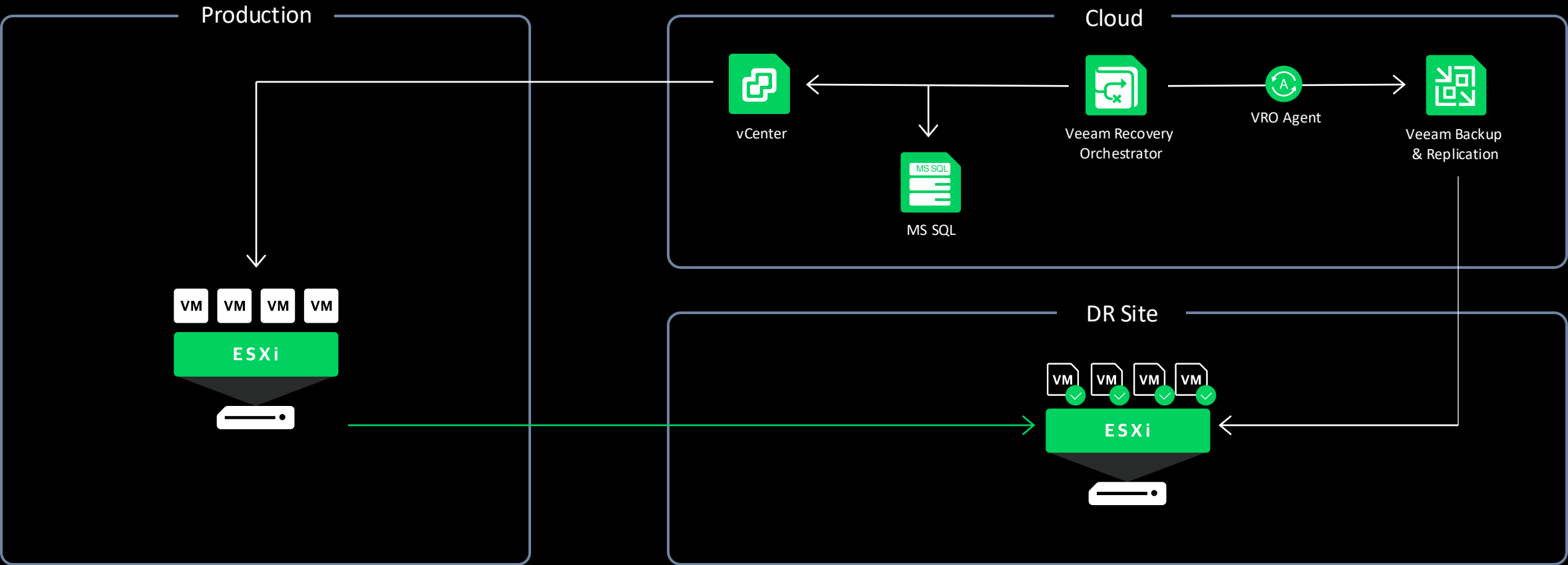
Server Placement Best Practices — DR



All management components will need to be online for Orchestration.

→ Data Recovery
→ Management

Server Placement Best Practices — Cloud



All management components will need to be online for Orchestration.

Additional Operation Costs*

Supported Recovery Platforms
















VMware



Azure Local
Hyper-V

Azure Local (was Azure Stack HCI)

- Connect direct to Azure Local cluster, or via SCVMM
- Direct-cluster connection also now supported for Hyper-V
- VRO treats Azure Local same as Hyper-V (as VBR does)

Connection Name 			Status: All  
 Add 			 Edit  Remove
Status	Connection	Version	
 Connected	 aksc25.king.lab	10.25.1200.0	
 Connected	 akhv2528c.king.lab	Microsoft Windows Server 2025 Standard	
 Connected	 pdhci23h2cl10.qahv1.veeam.local	Microsoft Azure Stack HCI	

Cross-platform support matrix

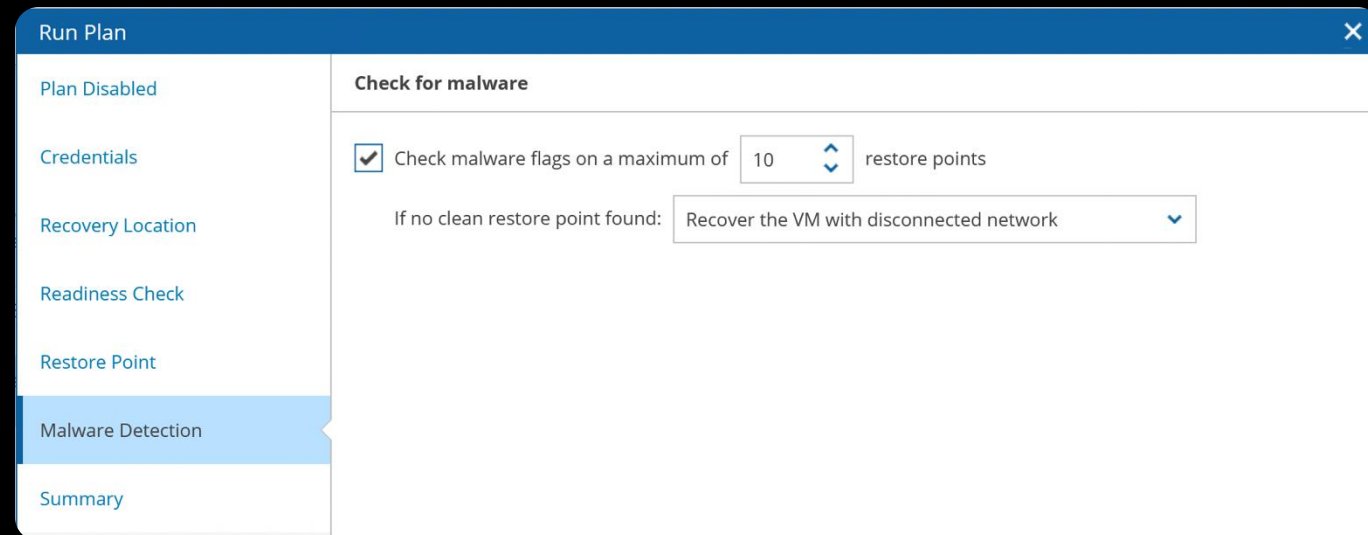
- VMware VM backups can be restored to all Microsoft platforms - on-prem hypervisors, and Azure

From:	To:	Azure Local	Hyper-V	SCVMM	vCenter	Azure
VMware vCenter		✓	✓	✓	✓	✓
Microsoft on-prem hypervisor		✓	✓	✓	✗	✗
Veeam Agent (Windows/Linux)		✗	✗	✗	✓	✓

- VMware VM backups can be restored to all Microsoft platforms - on-prem hypervisors, and Azure
- Microsoft on-prem VM backups can be restored to both Microsoft on-prem hypervisors
- Veeam Agent backups can be restored to vCenter and Azure

Not Supported (yet) for Hyper-V / Azure Local

- Virtual Lab Testing
- Malware Scanning
 - Malware flag on restore point **is** checked
- In-Guest scripts
- Replicas



The screenshot shows the 'Run Plan' dialog box with the 'Malware Detection' tab selected. The 'Check for malware' section is active, showing a checked checkbox for 'Check malware flags on a maximum of 10 restore points'. Below this, a dropdown menu is set to 'Recover the VM with disconnected network'.

Run Plan

Plan Disabled

Credentials

Recovery Location

Readiness Check

Restore Point

Malware Detection

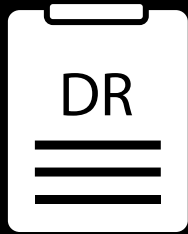
Summary

Check for malware

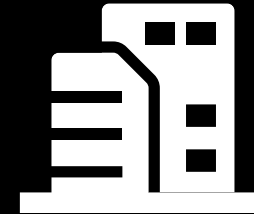
☒ Check malware flags on a maximum of 10 restore points

If no clean restore point found: Recover the VM with disconnected network

Important Orchestrator Features



Recovery Plans



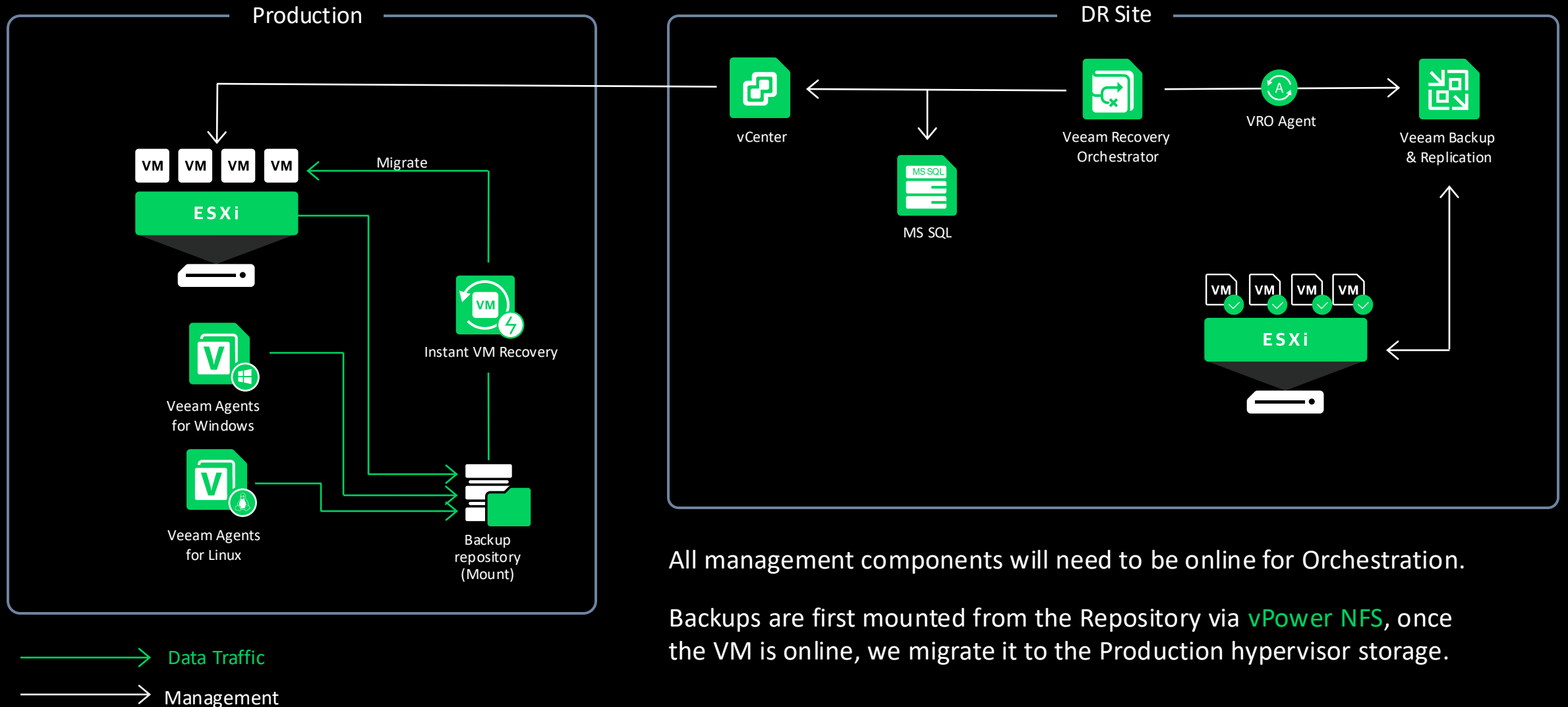
Recovery Locations

Note: Recovery Locations are not required for Replication Failover

VRO Console + Administration

Demo

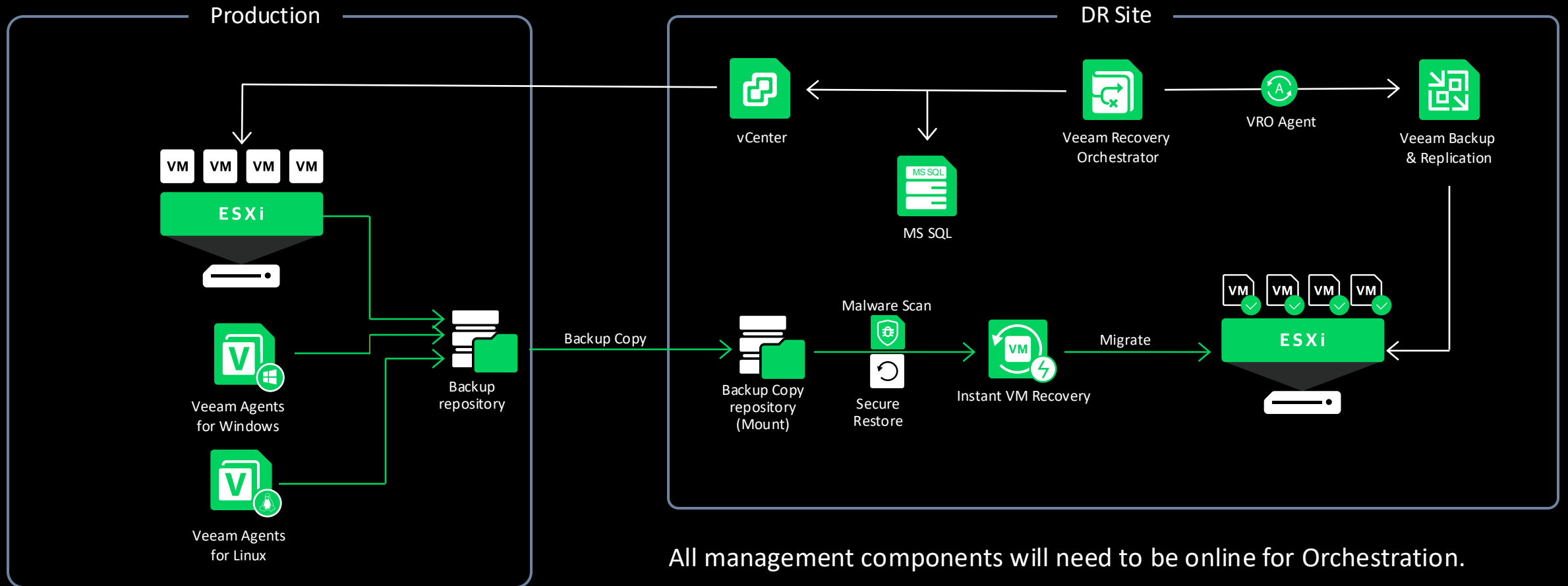
Orchestrating Restore from Backups



All management components will need to be online for Orchestration.

Backups are first mounted from the Repository via **vPower NFS**, once the VM is online, we migrate it to the Production hypervisor storage.

Orchestrating Restore from Backup Copies to DR

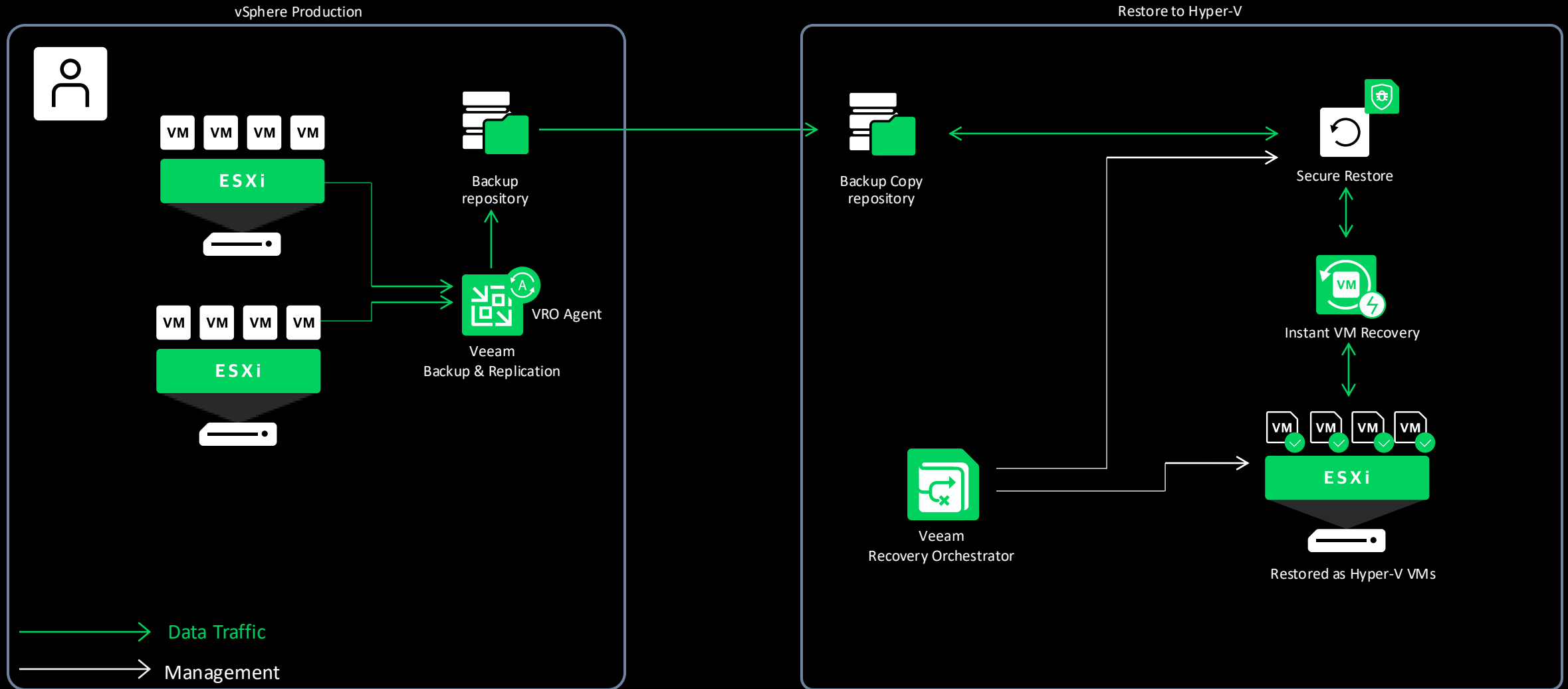


All management components will need to be online for Orchestration.

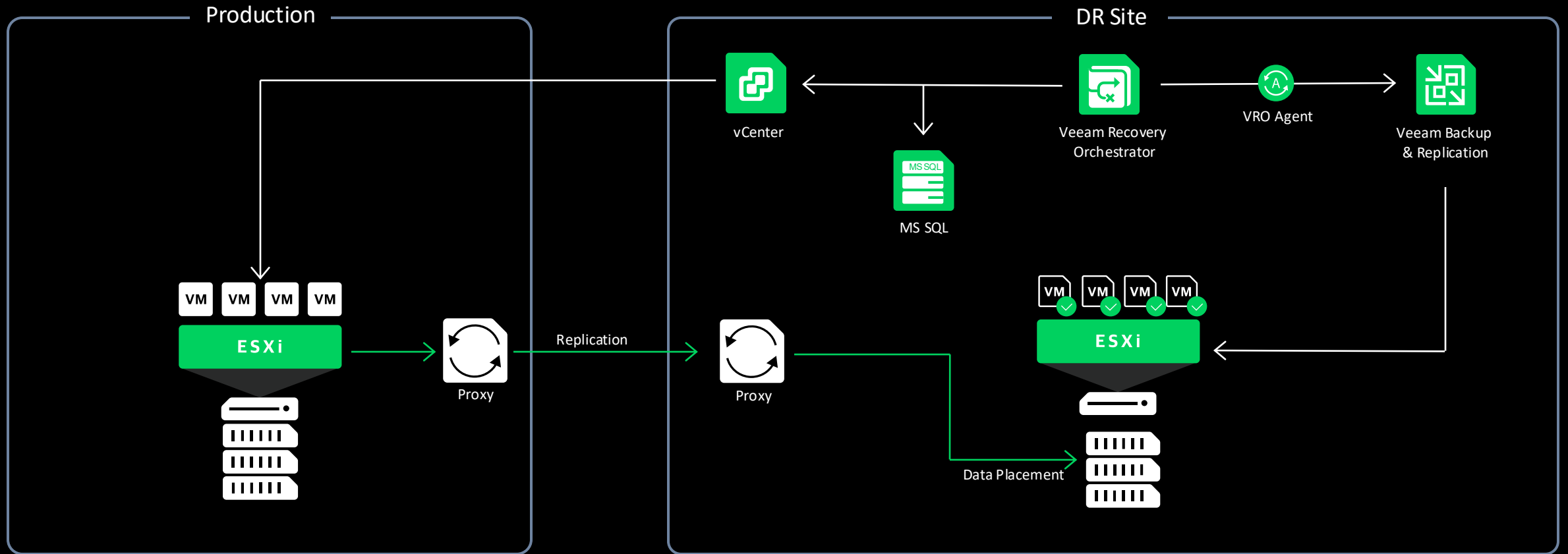
Backup Copies are first mounted from the Repository via **vPower NFS**, once the VM is online, we migrate it to the DR hypervisor storage.

Orchestrating Cross-platform Restore to Microsoft Hyper-V

Recover backups from vSphere host(s) to Hyper-V

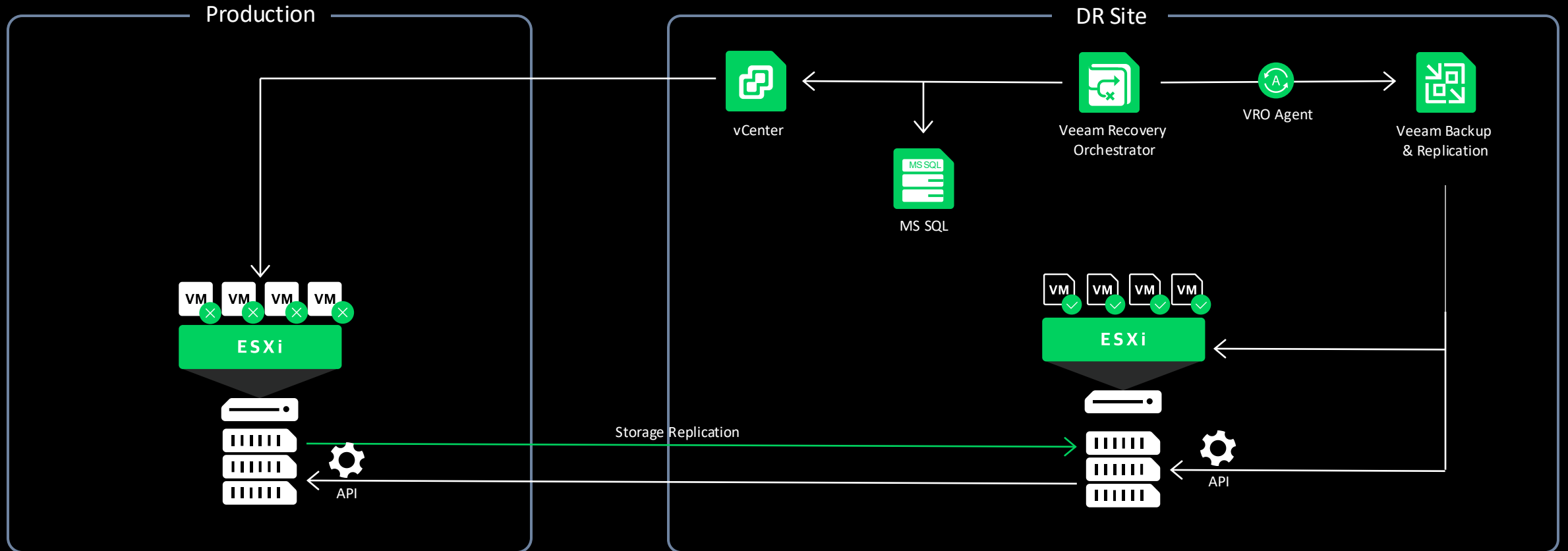


Orchestrating Restore from Replicas + CDP



This is the only case when Veeam Backup & Replication can be offline for recovery of workloads. (This does not apply to CDP because of VAIO filters)

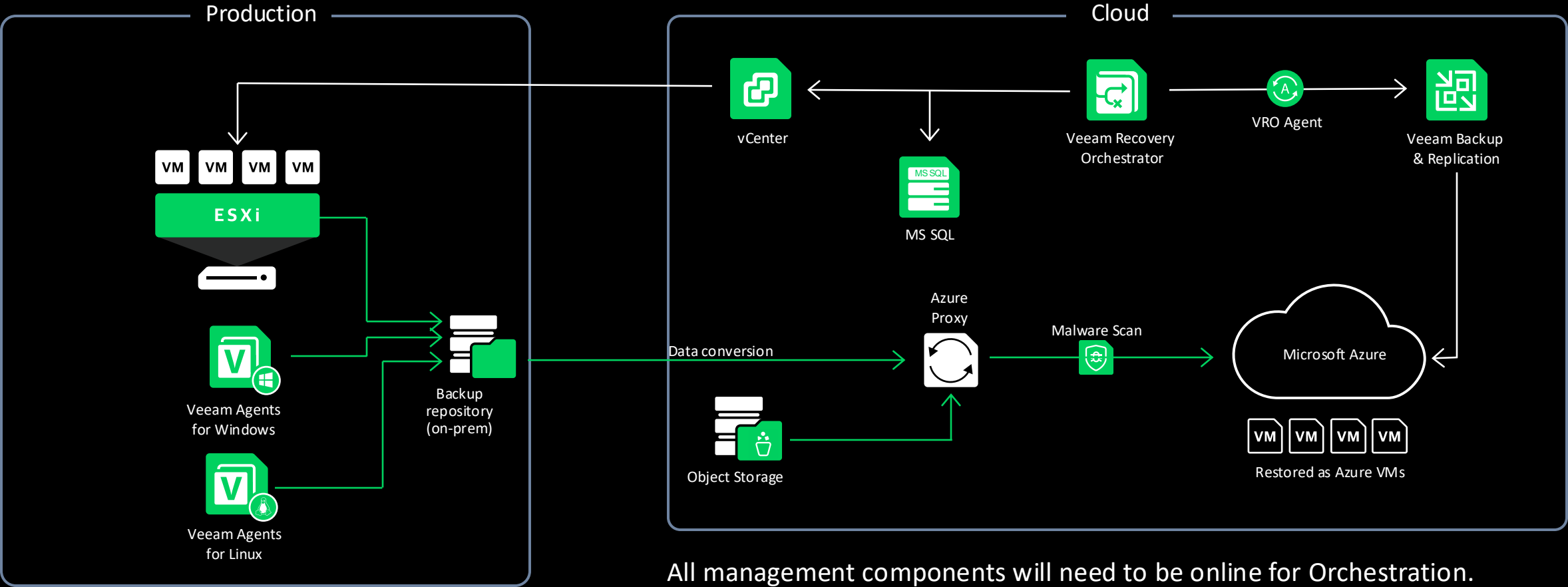
Orchestrating Storage and VM Failover



With **HPE** and **NetApp** storage integrations we can replicate and recover array volumes with **Veeam Recovery Orchestrator**. During a failure we bring up replicated volumes back to vSphere allowing us to power on the underlying Virtual Machines.

→ Data Traffic
→ Management

Orchestrating Restore to Microsoft Azure



All management components will need to be online for Orchestration.

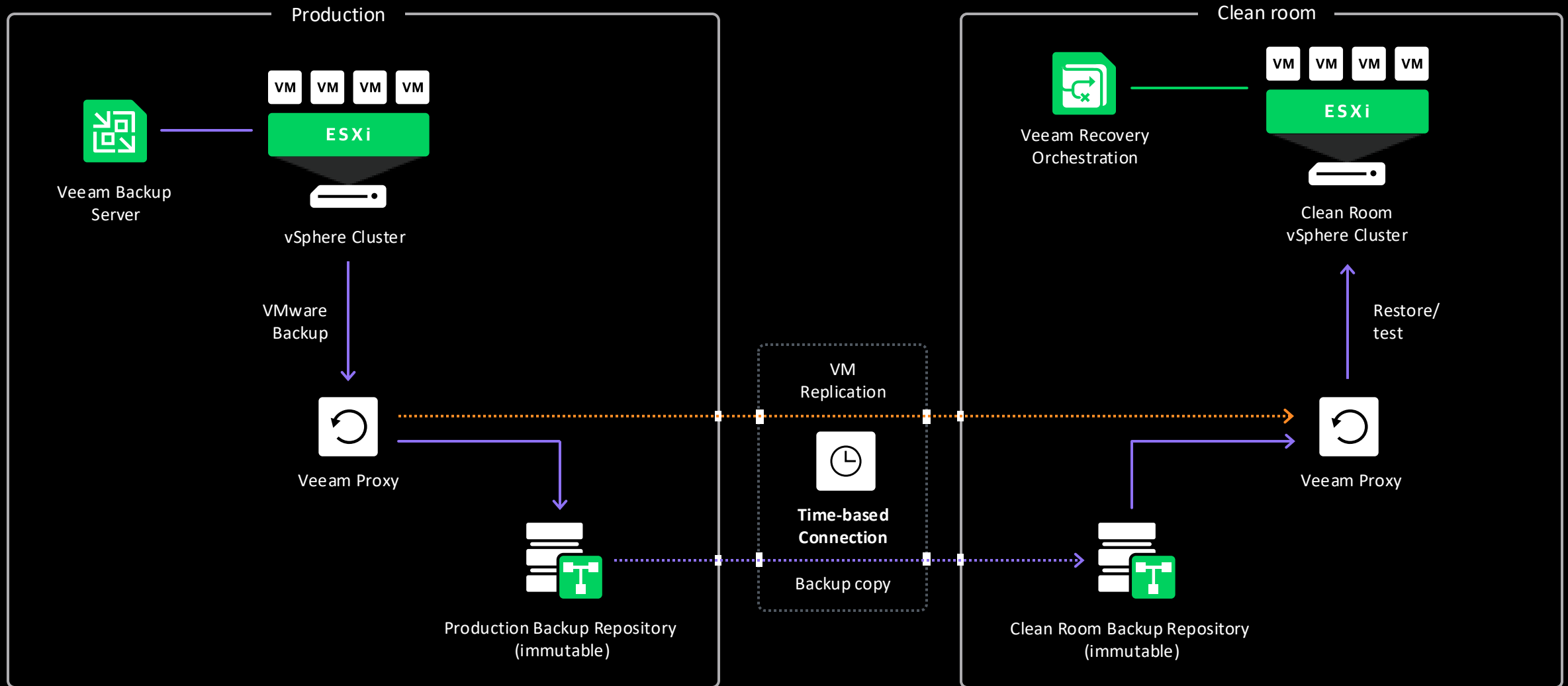
Data is retrieved from the **On-prem** or **Object** repository to be converted to a VHD format to be placed into the Azure Storage account and powered on.

→ Data Traffic
→ Management

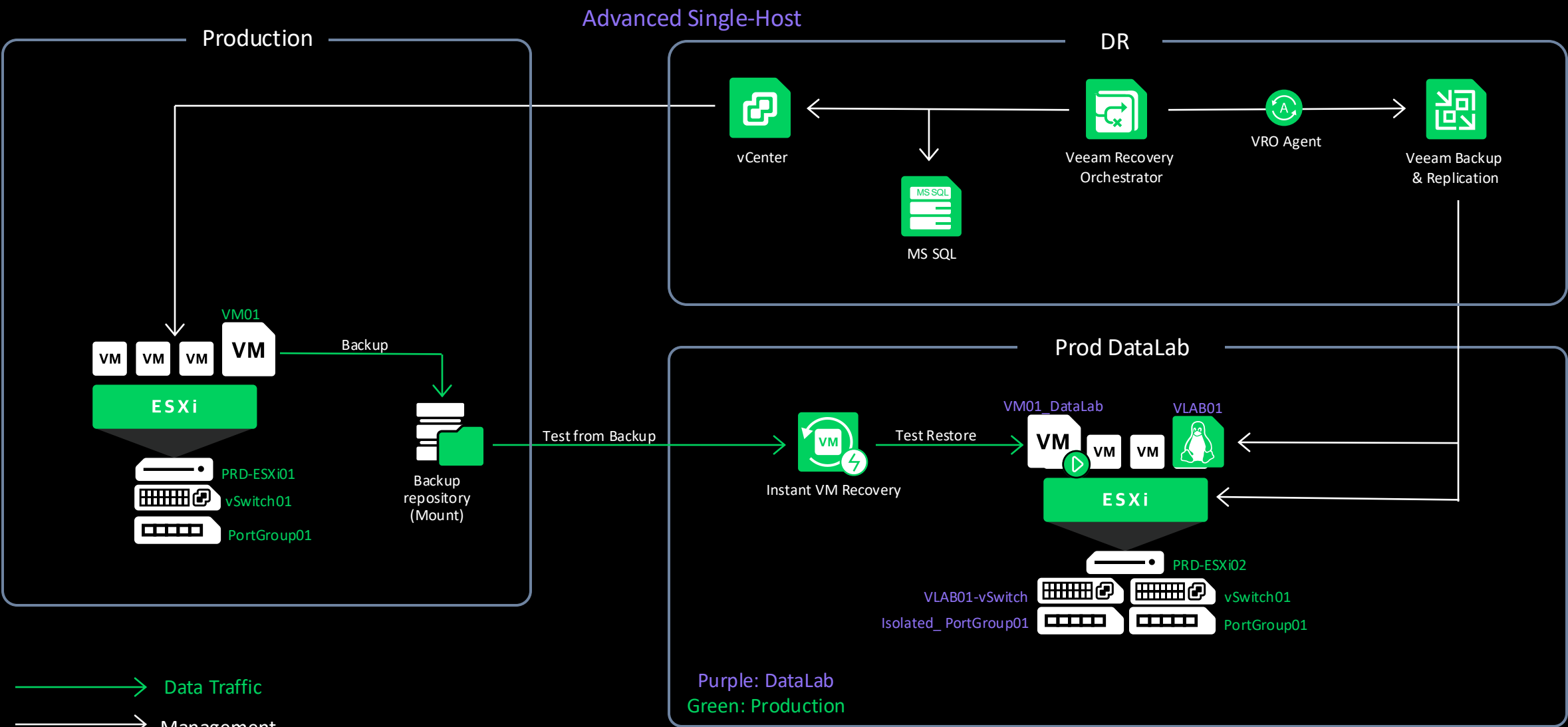
Recovery Plans + Recovery Locations

Demo

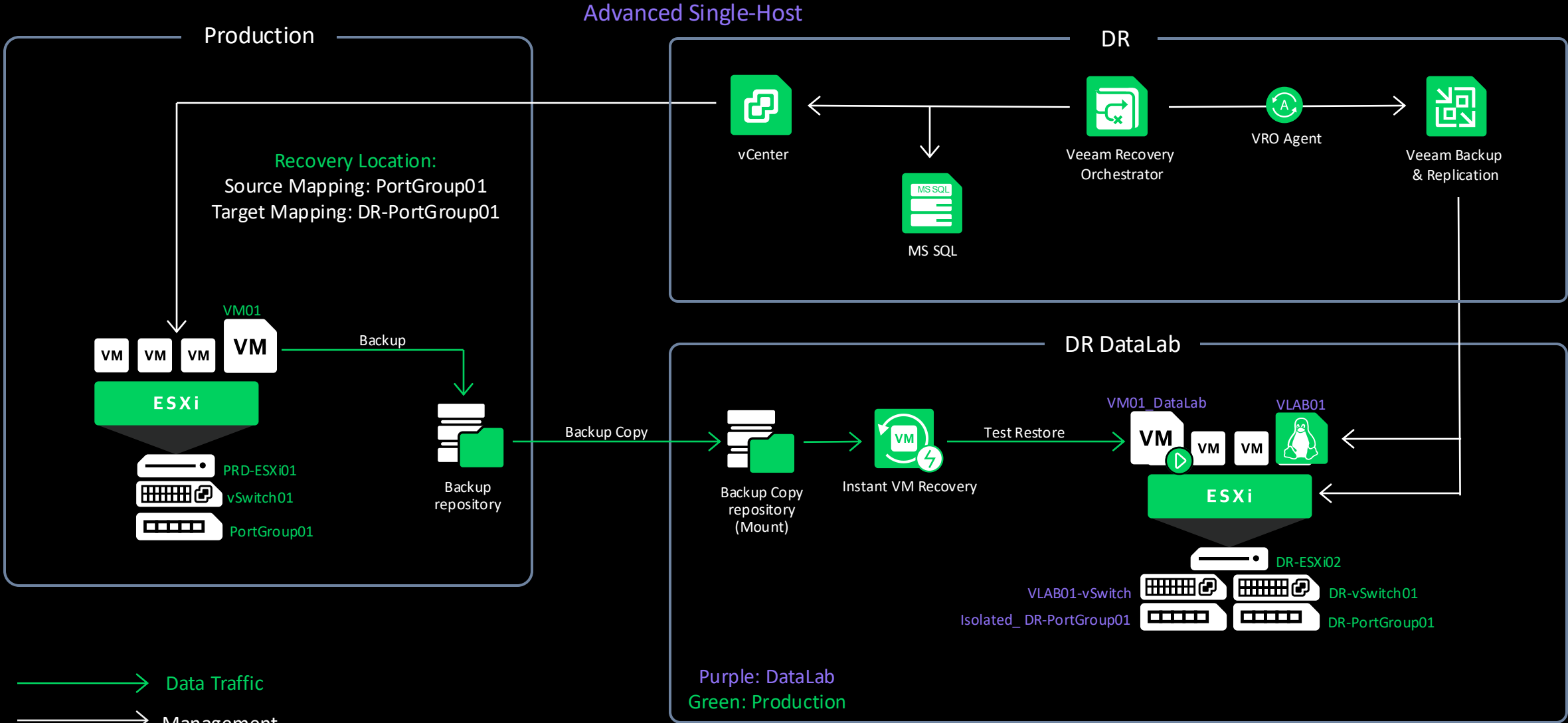
The Clean Room



DataLabs using Virtual Labs – Backup Verification

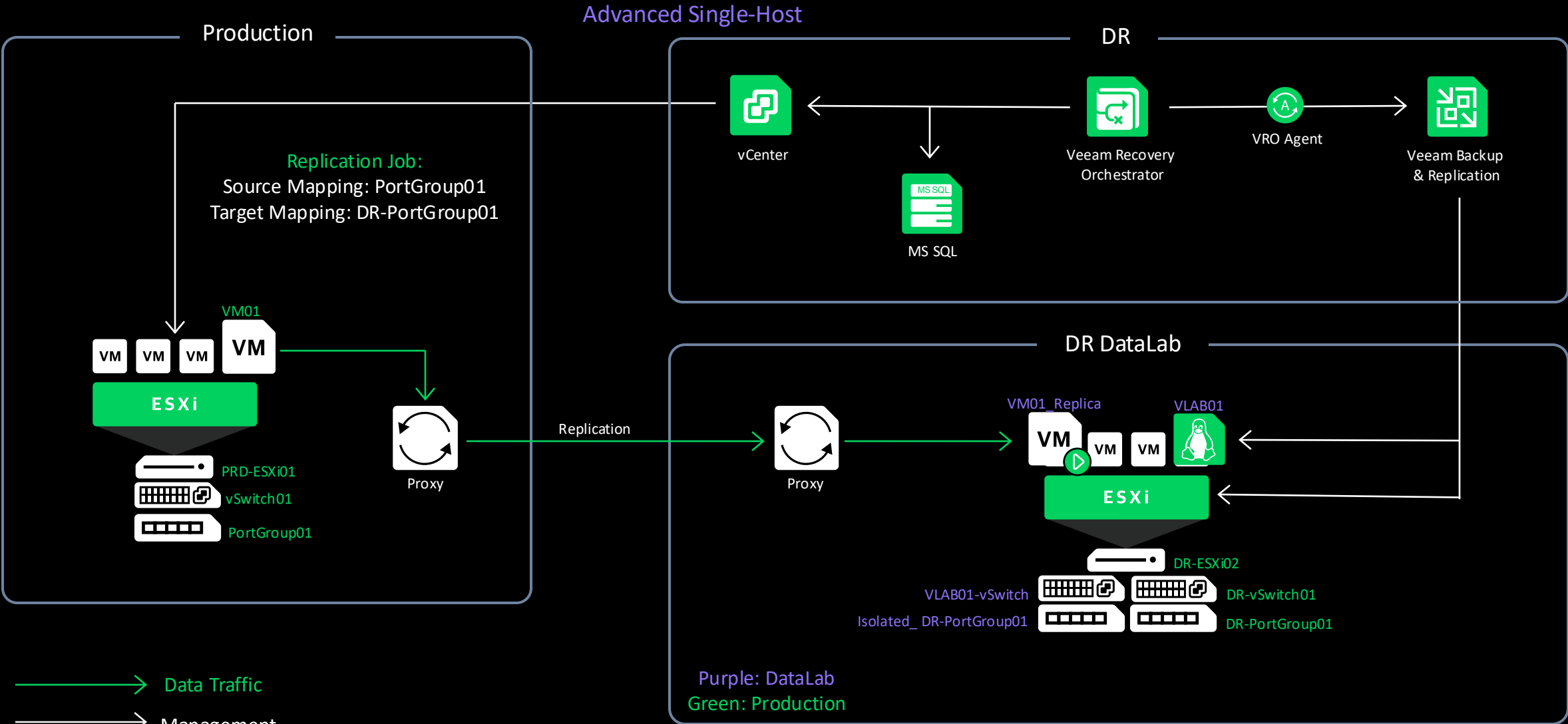


DataLabs using Virtual Labs – Backup Copy Verification



Virtual Lab Port Group Intercept:
DR-PortGroup01 -> Isolated_DR-PortGroup01

DataLabs using Virtual Labs – Replica Verification

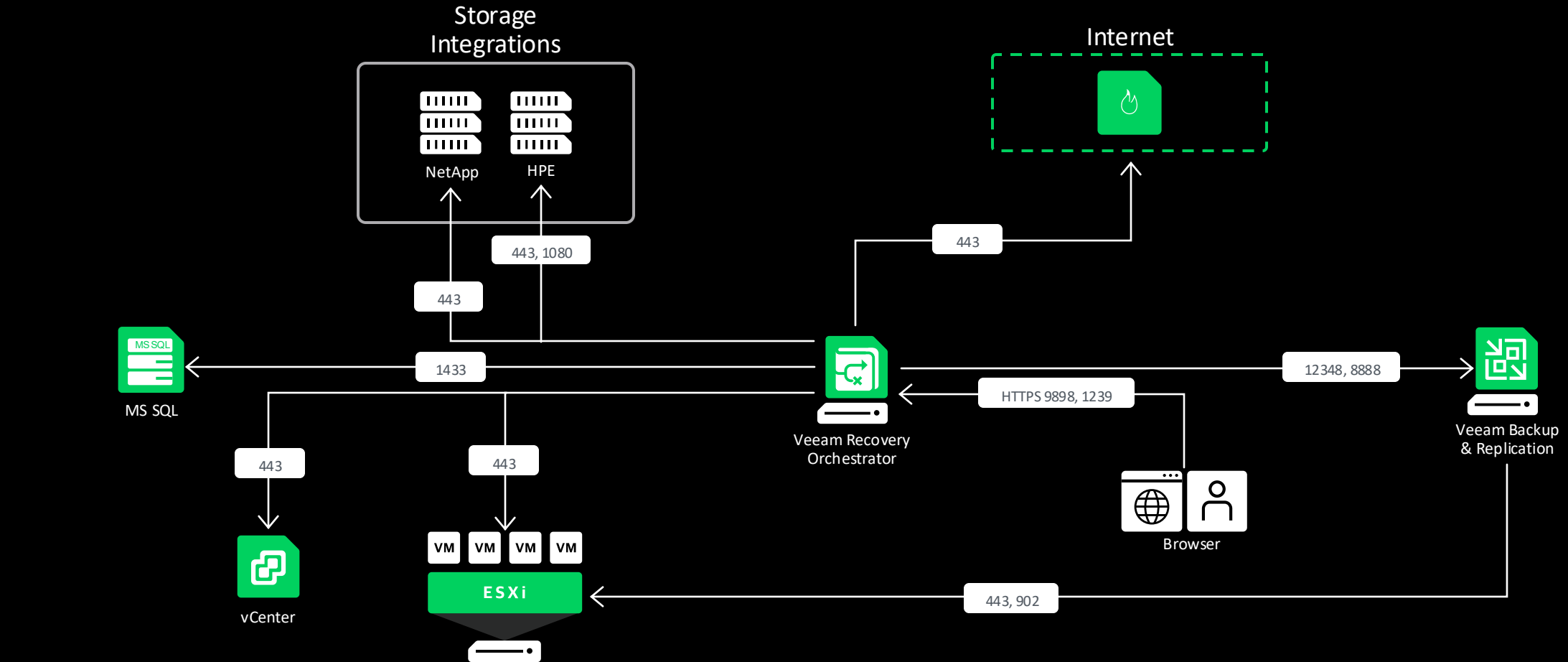


Virtual Lab Port Group Intercept:
DR-PortGroup01 -> Isolated_DR-PortGroup01

Clean Room + DataLabs

Demo

Veeam Recovery Orchestrator Ports



Resources

Veeam University: <https://www.veeam.com/support/training/veeam-university-free.html>

Hands-on Labs: <https://go.veeam.com/hands-on-lab-experience>

VRO Heroes Den: <https://community.veeam.com/groups/vro-heroes-den-120>

KB: <https://www.veeam.com/knowledge-base.html>


User Guide: https://helpcenter.veeam.com/docs/vro/userguide/deployment_planning_preparation.html


Need help? Contact us at: veeam.customersuccess.onboarding@veeam.com

VRO Heroes Champion's Den

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Veeam User Groups

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VUG Leaders




Cyber Security Space

Cyber Security Space




Automation Desk

Automation Desk



Women and Allies In Tech

Women and Allies In Tech



VRO Heroes Den

VRO Heroes Den

Share Your Veeam Success Story

- Feature on our website and social channels
- Speaking opportunities at VeeamON
- Showcase your expertise within the community
- Get KUDOS for your accomplishments.

Interested? Reach out to us at

advocacy@veeam.com



The Veeam logo is centered in the upper half of the image. It features the word "veeam" in a white, lowercase, sans-serif font. The text is contained within a white-outlined rectangular box with rounded corners. Behind the box, there are two large, light-green, semi-transparent geometric shapes that resemble stylized mountain peaks or abstract letterforms.

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