

# V12 New Capabilities for Service Providers





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#### **COMING SOON...**

# Veeam Backup & Replication v12





**DRaaS** 

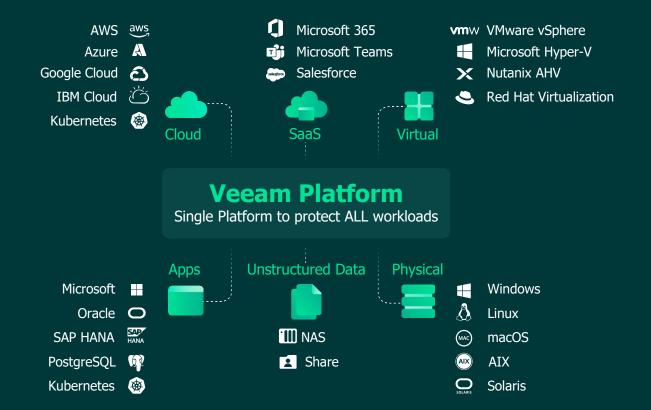


Public cloud/ containers BaaS

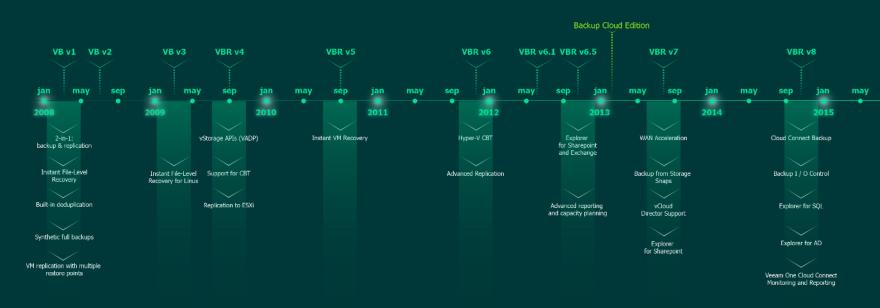


Object storage

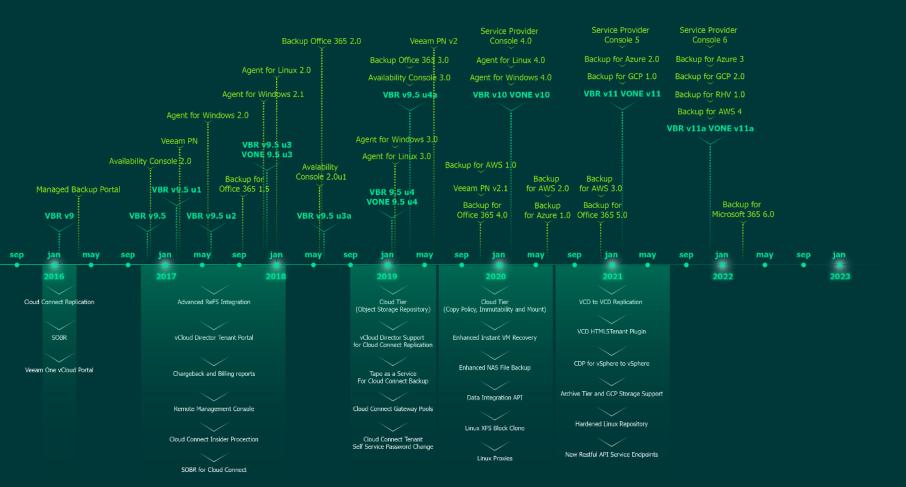
#### Veeam platform **POWERING YOUR** Service Offerings



#### Veeam Service Provider Reverse Roadmap

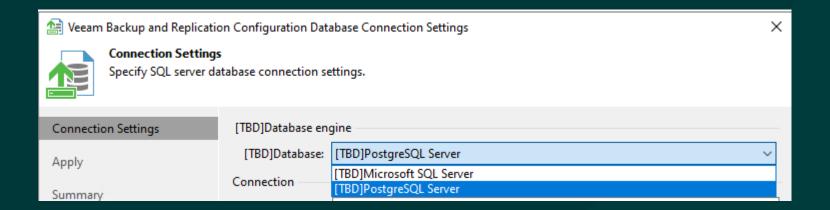


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# Core architectural improvements

### Postgres for VBR & EM



A powerful open-source database

Proven in other Veeam® products (VBs for AWS, Azure, GCP)

Performance and scalability



# Compatibility and migration path

Upgrade to V12 first, then migrate



Backup server and Enterprise Manager must have same database type Configuration restore to Postgres requires same DB version

Cloud connect always works
Tenant and provider are independent

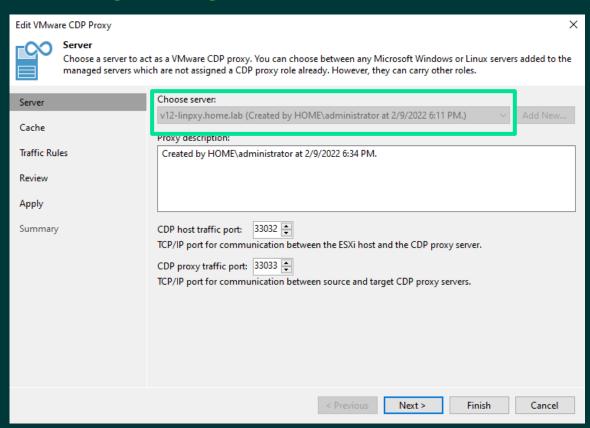
#### What does it **OFFER**?



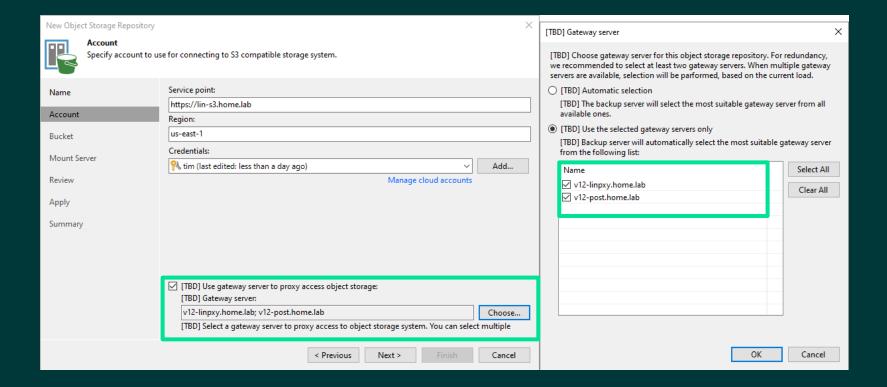
- Lower cost to do business
  - Large MSP customers
  - Large IaaS providers
  - Large Cloud Connect installs
  - Reduce from Microsoft/SQL licensing

Another option for configuration DBs

# CDP proxy on Linux



# Linux gateway



#### What does it **OFFER**?



- Lower cost to do businessLinux gateways and proxies
- Step away from Microsoft OS licensing
- Another option for service providers

### Improved per-machine chains

- Move machines between backup jobs
- Improved performance
- Separate health check schedule
- Trigger active-full for one VM
- Retry one machine instead of whole job



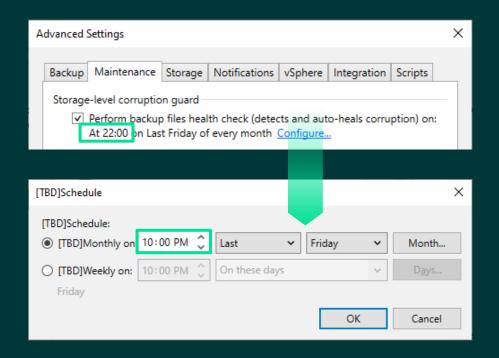
## Distribute storage load

Schedule health checks outside backup window

Recommendation: run health check outside backup window

Backup and restore have preference over health check

Use for managed VBR backup copies in multi-tenant cloud connect environments



#### Use cases for VeeaMover

Move backups to different repository

Migrate REFS to XFS for hardened repository

Rebalance Scale-out Backup Repository™



Scale-out Backup Repository extent evacuation

Migrate NTFS to REFS

Copy backups to different repository

#### What does it **OFFER**?



- Flexible backup chains
- Ultimate combo with VeeaMover
- MSP pain reliefFlexibility in scheduling health-checks
- Q: Does the Start-VBRCloudTenantBackupEvacuation work with VeeaMover?

A: Yes.

# Security and compliance

# Quick overview

- gMSA and Kerberos support
- Multi-factor authentication
- Auto log off
- Classified data marking

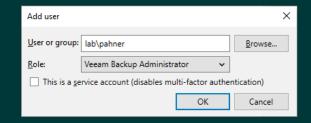


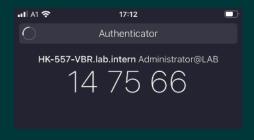
# MFA for your consoles

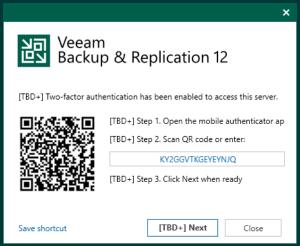
Protect IaaS environments

Protect cloud connect environments

Protect MSP environments

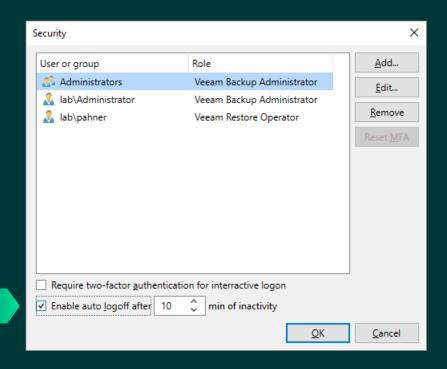






#### Auto log off after X minutes

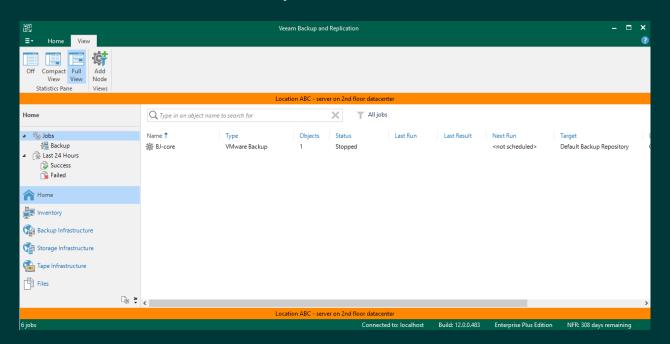
Requirement for security certification



## Classified data marking

Required for security certifications

Alternative use cases: production/test/location



#### What does it **OFFER**?



- Overall tighter and more complete security and compliance story to assist with tenant retention and regulatory compliance
- MFA protects Veeam Backup & Replication™ console from malicious attack via direct access
- Auto log off protects Veeam Backup & Replication Console from malicious attack via direct access
- Classified data marking in console can be used to more easily represent location of Veeam Backup & Replication instance

# Object storage and Scale-out Backup Repository

#### Quick Overview of v12 Object Storage

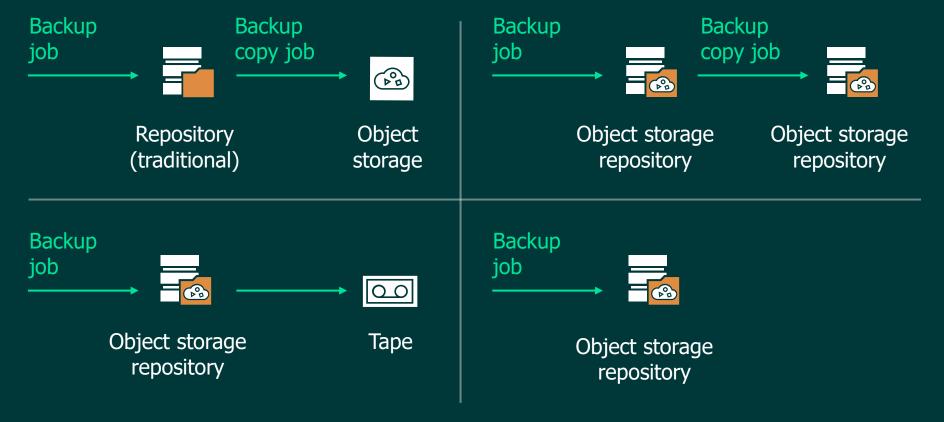
Direct to Object Storage Support End to end Object Storage for SOBR Expansive Support targeting Object Storage New Object Storage Format Multiple Buckets

SOBR Rebalance

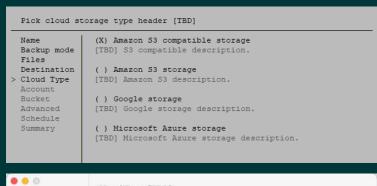
<sup>\*</sup> Full deep dive session Wednesday 1:30 p.m. Ironwood 8

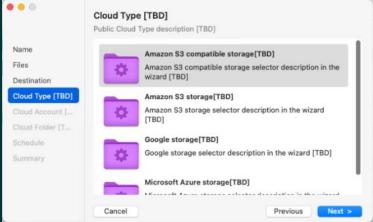


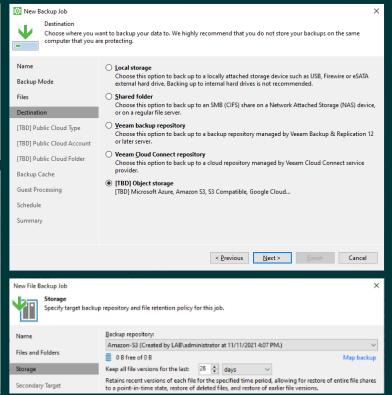
#### Object storage standalone repositories



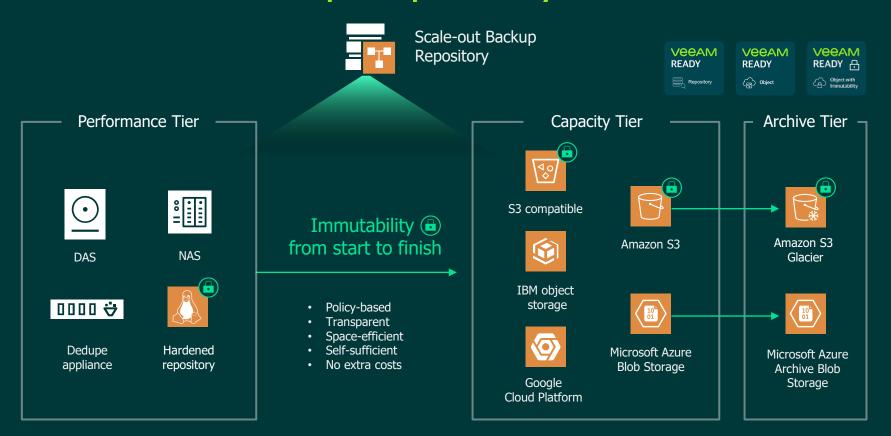
### Object storage direct!



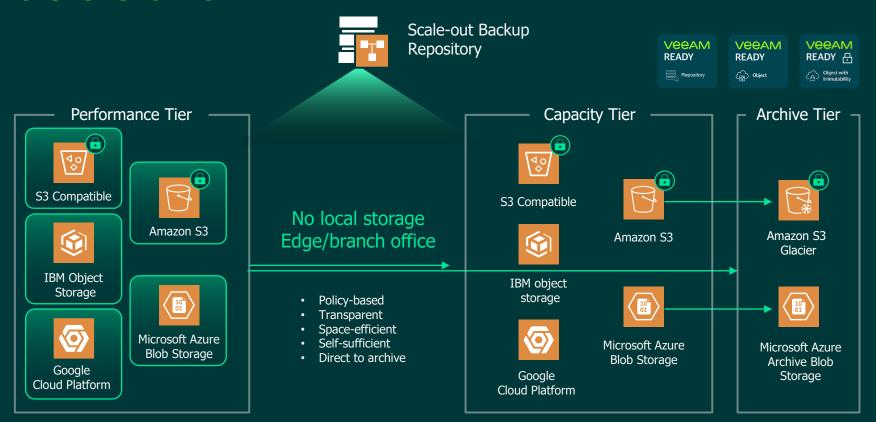




#### Scale-out Backup Repository



# Scale-out Backup Repository OBJECT STORAGE EVERYWHERE



#### WHAT Does it Offer...



Consumption of partner object storage platforms

Take advantage of direct to object storage support across multiple products and features

Ability for service provider to leverage object storage repos in more creative ways

SOBR object storage Performance Tier option for branch/edge customers

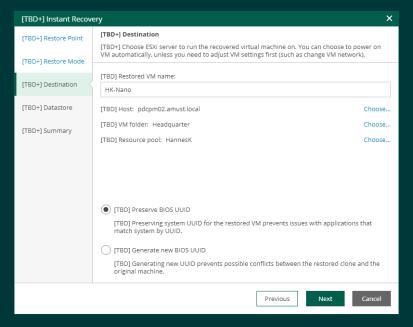
New format reduces transactional overheads and streamlines IO

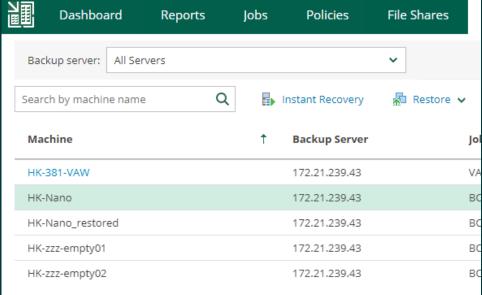
Multiple buckets increases performance and improves consumption tracking

# Self-service portal enhancements

#### Quick overview

#### Instant VM Recovery capability





#### What does it **OFFER**?



- Available for vSphere and VMware cloud director
- Instant VM Recovery® via self-service enables tenants to up-level their recovery power
- VIVMR means instant recovery of VMs without waiting for while restore to complete

# **Automation and APIs**

#### PowerShell gets the V12 treatment

- CDP Cloud Connect and VCD CDP
- True per-vm (move/copy/upgrade backups and manage sessions for separate job objects)
- FLR compare with production
- Direct backup to object storage
- Multiplatform SureBackup® jobs/application groups

- Multiplatform BCSM jobs
- > IPv6 support
- > New tape file restore cmdlets
- > gMSA accounts support
- Agent recovery tokens

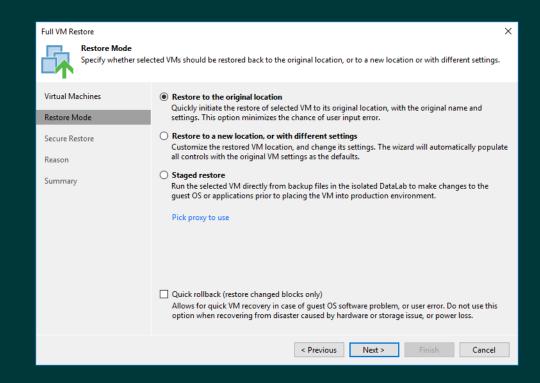
- + miscellaneous minor updates and enhancements.
- \* No Powershell core support
- \* No fully standalone PS module

### Entire VM restore support

/restore/vmRestore/vmware

POST

Only entire VMware VM restore is supported



# Instant VM recovery support

Start and get recovery

/restore/instantRecovery/vmware/vm

**POST** 

**GET** 

/restore/instantRecovery/vmware/vm/{mountId}

GET

Only instant VMware VM restore is supported

Mount actions

/umount

**POST** 

/migrate

**POST** 

# Object storage repository support

#### Repositories

/backupInfrastructure/repositories

POST

**GET** 

/backupInfrastructure/repositories/{id}

GET

**PUT** 

DELETE

#### Cloud browser

/cloudBrowser

**POST** 

#### Credentials

/cloudCredentials

POST

**GET** 

/cloudCredentials/{id}

POST

**PUT** 

DELETE

#### Supported types

All except for external object storage repositories

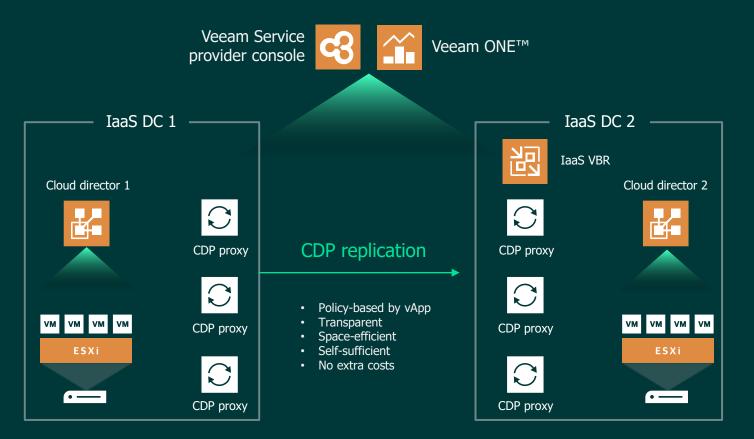
## What does it **OFFER**?



More Commandlets, Endpoints and methods to allow better programmatical access to components and actions

# Continuous data protection for Cloud Connect w/VMware Cloud Director

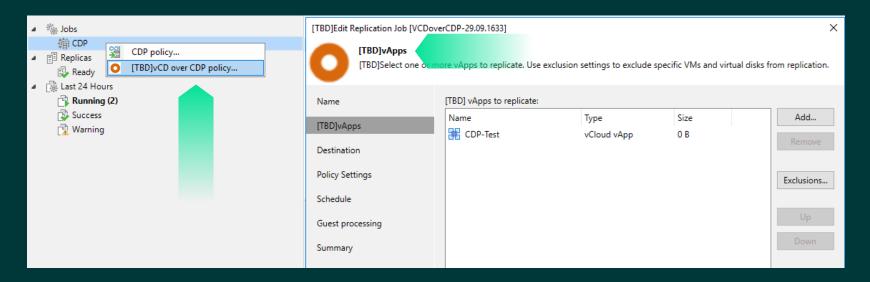
### CDP for IaaS



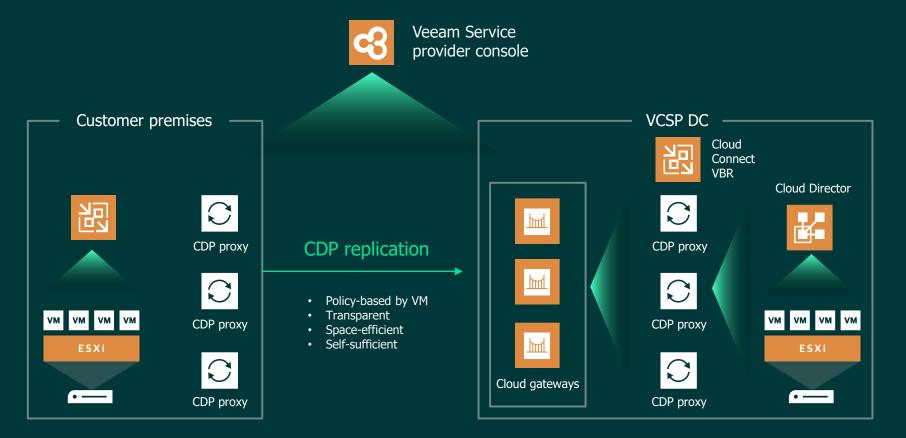
# CDP for Cloud Director (IaaS)

Replicate and failover vApps between virtual datacenters (vDCs)

Different vCloud Director (VCD) servers are supported

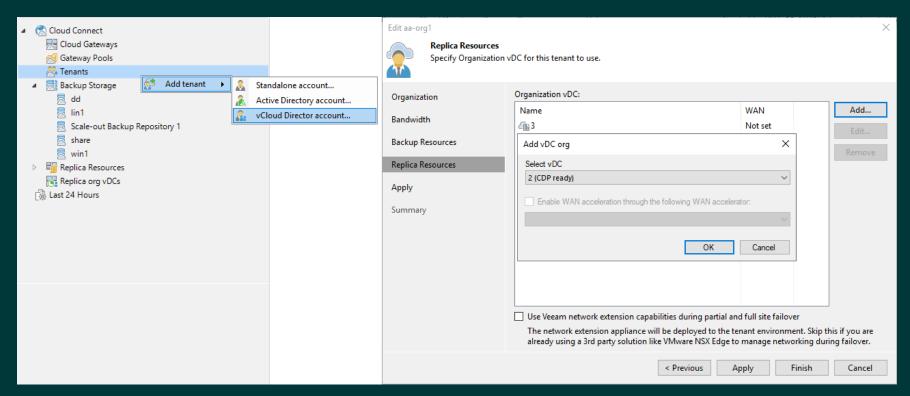


### CDP via Cloud Connect



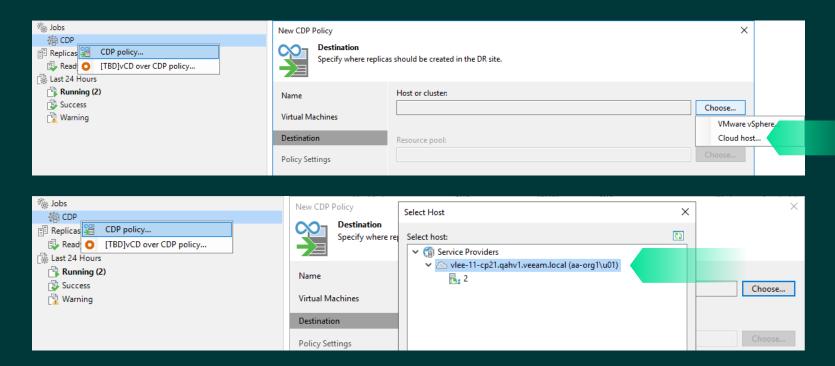
## CDP via Cloud Connect

#### Assign Cloud Director resources



# CDP via Cloud Connect

#### Tenant choice of org VDCs



# What does it **OFFER**?



- CDP upgrade for two DRaaS use-cases
   DRaaS for Cloud Director hosting
   DRaaS for any on-premises/MSP backup
- Multi-tenant service orientedVSPC v7 integration

# Veeam service provider console V7 new features in five minutes



# Self-service FLR for VSPC managed agents

Self-service portal for users

Delegated restore (by a service provider or reseller)

Support for Windows, Linux, Mac agents

Two recovery options are available > browse and search (requires the indexing option from the standalone agent)



# VBR patching and updating

#### Enhanced patching engine

Update managed VBRs to the latest appropriate version

#### Remote upgrade and installation

Upgrade managed VBRs to the latest appropriate version



# CDP policies support

Ability to monitor policies state

Ability to report on SLA parameters of protected VMs

Include this data to built-in invoices



# VB (public cloud) improvements

Ability to orchestrate the VB appliance creation via integration with Veeam Backup & Replication

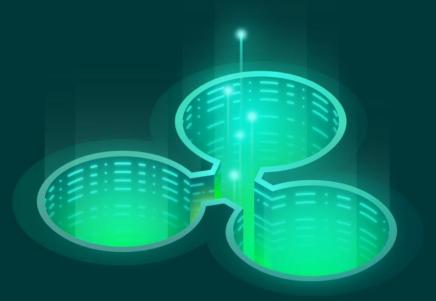
All the rest configuration is still done via the VB UI

No longer requires a customer VBR for monitoring/reporting

\*\*Initial release will be limited to a particular public cloud (TBD)\*\*

### What does it **OFFER**?

- Most significant VSPC release to date
- New self-service capabilities
   FLR for VSPC managed agents
   Backup for Microsoft 365
- MSP Backup & IaaS
   Ultimate control for VBR patch, upgrade, install
   Public cloud data protection



# The rest... plus a MASSIVE IN



#### The rest...

#### Core architecture improvements

- · Configuration database on PostgreSQL
- Per-machine backup chains
- VeeaMover copy and move backups
- · Background retention
- Unified backup copy job
- Multiple gateway servers
- IPv6 support all products
- New compression algorithm
- Linux proxy BfSS NFS

#### Security and compliance improvement

- gMSA support
- Kerberos support
- MFA for console
- Auto log off
- · Classified data marking

#### Object storage

- Direct to object storage
- Improved format
- · Immutability for GFS

#### Scale-out Backup Repository

- · Object storage everywhere
- Rebalance
- · Multiple buckets per SOBR tier
- Export backups from Capacity or Archive Tier

#### NAS backup

- · Direct to object storage
- Archive copy mode

#### **NAS Continued**

- Immutability support
- Nutanix files change file tracking
- Improved health check
- Rotated drives support
- SMB instant recovery incl. migration
- Publish NFS as SMB share

#### CDP

- Linux proxy
- vCD-to-vCD
- CDP to vCD via Cloud Connect

### Agent management improvements

- Direct to object storage
- Protection groups for cloud agents
- Recovery token for bare metal recovery
- gMSA support



#### The rest...

### Veeam Agent for Windows standalone

- Direct to object storage
- Block level incremental file backup
- SQLite as configuration "database"

### Veeam Agent for Linux standalone

- Direct to object storage
- GFS support
- LVM snapshots

#### Veeam Agent for AIX and Solaris

Bare metal restore

#### Veeam Agent for MAC

- Universal package
- Resume jobs

#### Nutanix AHV backup

- Synthetic fulls
- GFS and daily retention
- Health checks
- Restore VMs in parallel
- New user interface
- · Multiple protection domains per job

#### Application integrations

- · AAIP for Postgres incl new Explorer
- Enterprise plug-ins
- Hardened repository support
- IPv6
- Centralized management
- VDI plug-In for SQL

### Primary and secondary storage integrations

- Nimble peer-persistence support
- StoreOnce catalyst immutability support
- StoreOnce CloudBank support
- Fujitsu Eternus CS800 integration
- Infinidat Infiniguard integration
- Universal storage API 2.0

#### Tape support

- Tape server on Linux
- Scalable file-to-tape
- · NAS backups to tape
- Backups from object storage to tape
- Better LTO9 support

#### **REST API**

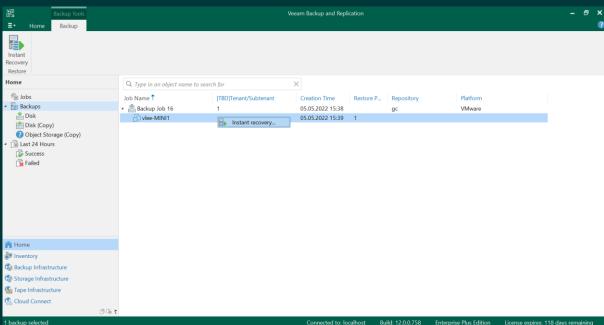
Enterprise manager

Console and all the small things



# Restore from cloud connect (awareness)

As the Service Provider Restores...



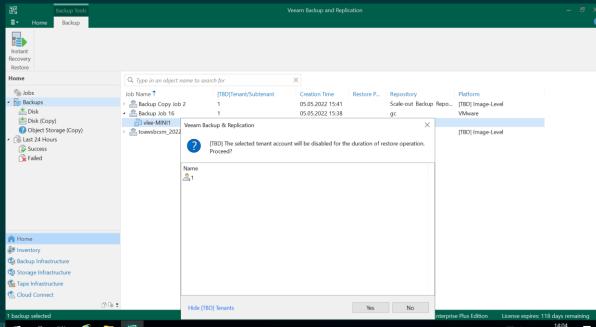






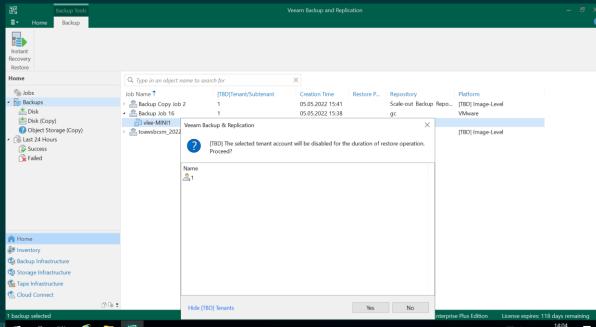
# Restore from cloud connect (awareness)

As the Service Provider Restores...



# Restore from cloud connect (awareness)

As the Service Provider Restores...



# Thank you!







