

Veeam Backup & Replication

Data protection su misura per ambienti virtuali

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Veeam Software

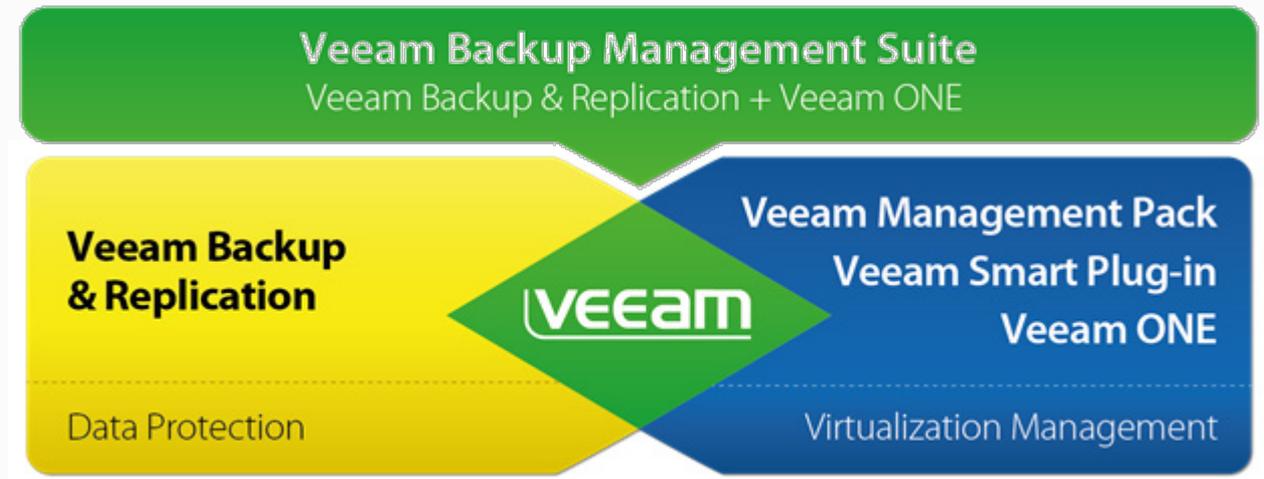
Nata nel 2006 – HQ a San Pietroburgo

1000+ dipendenti, 60.000+ clienti WW, 3200+ in Italia

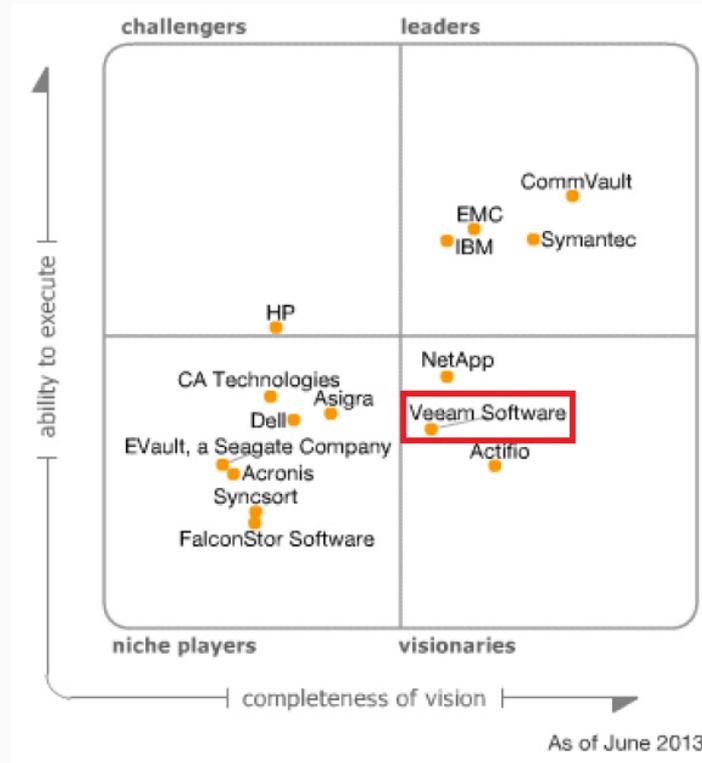
In Italia da Aprile 2010

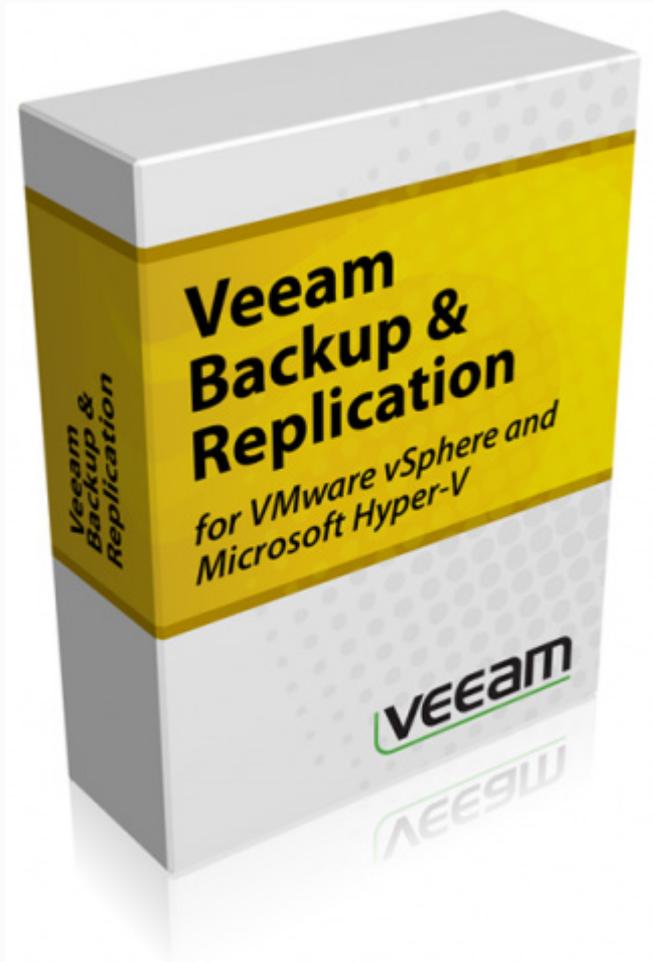
vmware®

Microsoft®
Hyper-V™



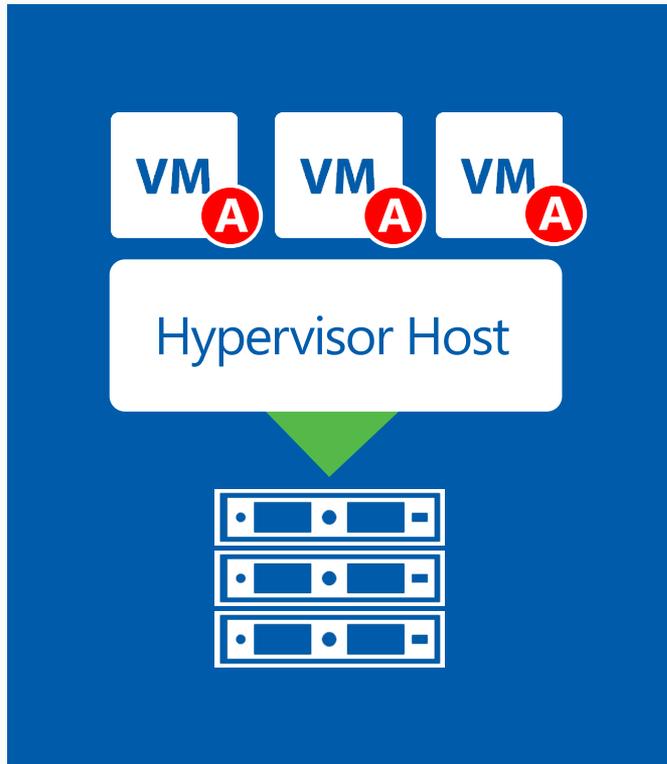
Premi & Riconoscimenti





**BUILT FOR
VIRTUALIZATION**

L'approccio «tradizionale»



Costoso

Licenze, installazione, manutenzione
Consumo di risorse hardware

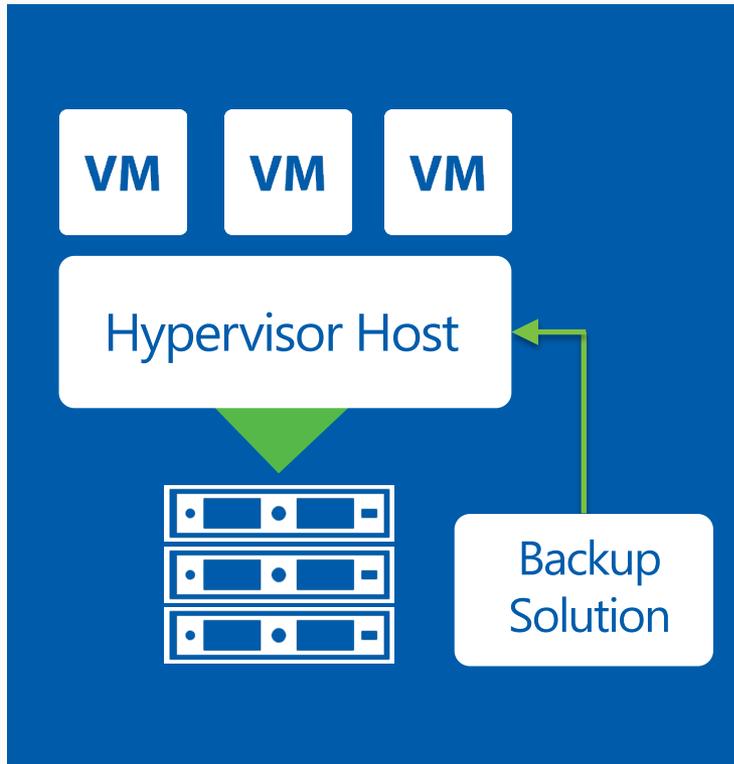
Complesso

Compatibilità - applicazioni e guest OS
Scalabilità?

Rischioso

Contesa di risorse
Nuove VM? VM spente?

L'approccio nativo per il virtuale



Economico

Licensing allineato alla piattaforma hypervisor

Semplice

Unico punto di contatto l'hypervisor

Flessibile

Generalmente agentless

Può includere nuove VM automaticamente

... **MA** ...

Consistenza applicativa?

Restore "granulare"?



Miti e leggende



Ambienti fisici e virtuali possono essere approcciati allo stesso modo

Backup consistenti solo con agenti nel guest OS

Il restore dura (almeno) quanto il backup

Le API degli hypervisor sono le stesse per tutti, quindi le soluzioni "native" sono tutte uguali



Snapshot o repliche SAN sono una forma di backup

... Nessuno salverà mai i propri dati nel cloud ...

Problemi & Soluzioni

Gartner. <http://bit.ly/H2XZsY>

❖ Strategic Planning Assumption(s)

By 2014, at least 30% of organizations will have changed backup vendors due to frustration over cost, complexity and/or capability.

Il problema «delle 3C»



Missing
Capabilities
Complexity
Cost

La soluzione Veeam

Modern Data Protection

Built for Virtualization

Powerful

Easy-to-Use

Affordable

Veeam Backup & Replication

«Best of both worlds»

Soluzioni "legacy"

- Basate su agenti (client)
- Backup «applicativo» = multi-pass
- Scalabilità limitata
- Complessità architetturale
- Scarsa integrazione con hypervisor
- Licensing complesso, costo elevato

Veeam Backup & Replication

- Agentless
- Backup single-pass
- Scalabile e flessibile
- Architettura semplice
- Integrazione con API + guest OS
- Licensing semplice ed economico

Perché Veeam B&R ?



E se un giorno mi servisse davvero un restore?

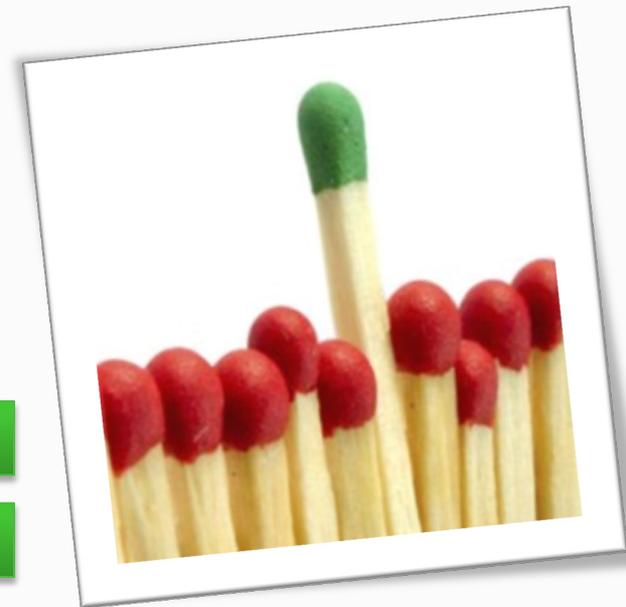
Potrò davvero ripristinare i miei dati?

Quanto tempo impiegherò?

“ Veeam Backup & Replication™ is not the only way to back up your virtual environment...
...but it is the best way. ”

Sfruttate a pieno l'investimento sulla virtualizzazione!

Valore aggiunto: Non solo backup!



Vantaggi chiave



Backup + Replica Agentless !



SureBackup

Backup verificati
al 100%



Instant
Recovery

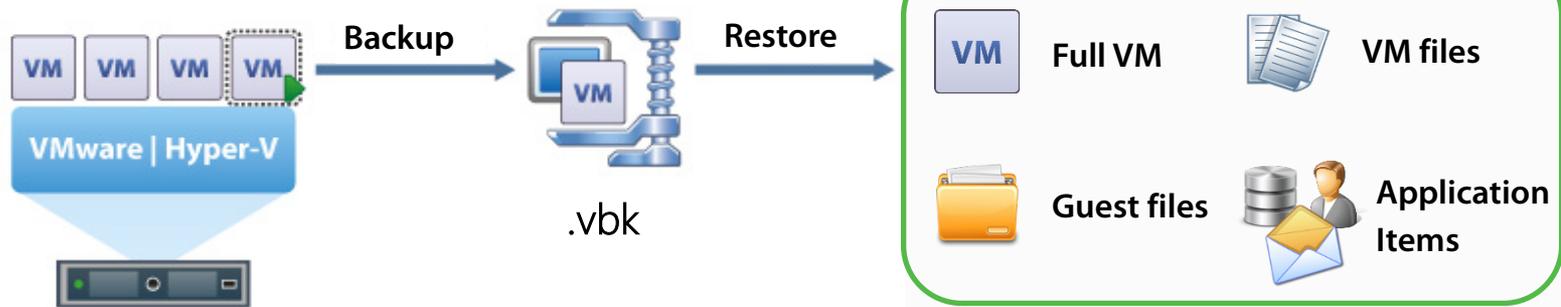
RTO \approx 0



Replica
SmartCDP

DR & HA
Storage/HW agnostic

ONE backup – ANY restore!



Il presente – v6.5



Supporto completo per Hypervisor ed OS di ultima generazione:

 Windows Server 2012

 Hyper-V 2012

 VMware vSphere 5.1



Veeam Explorer for Exchange

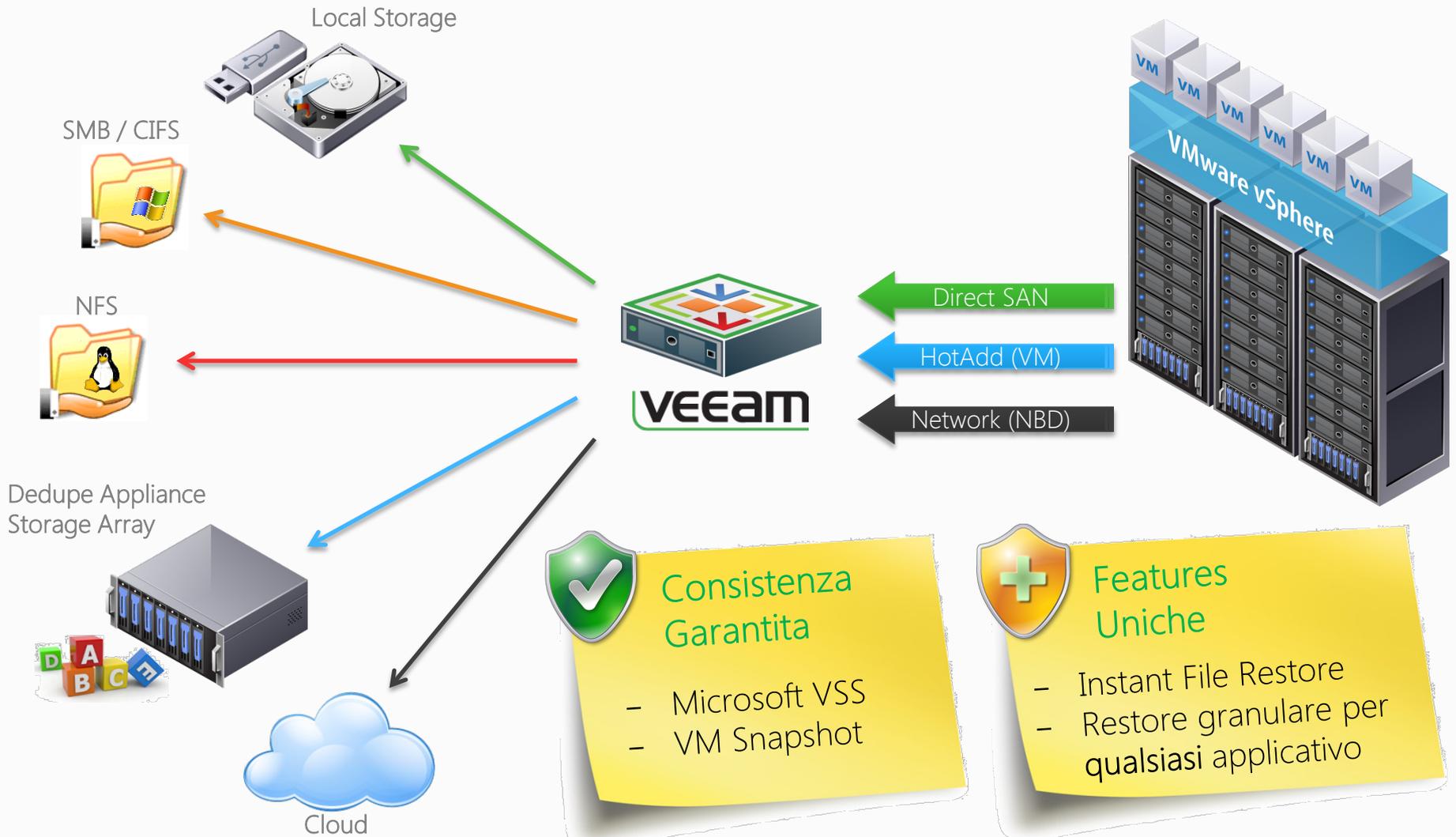
Restore + e-discovery istantanei per Microsoft Exchange



Veeam Explorer for SAN Snapshots

Restore istantanei di intere VM e/o elementi Exchange da snapshot a livello storage!

Architettura



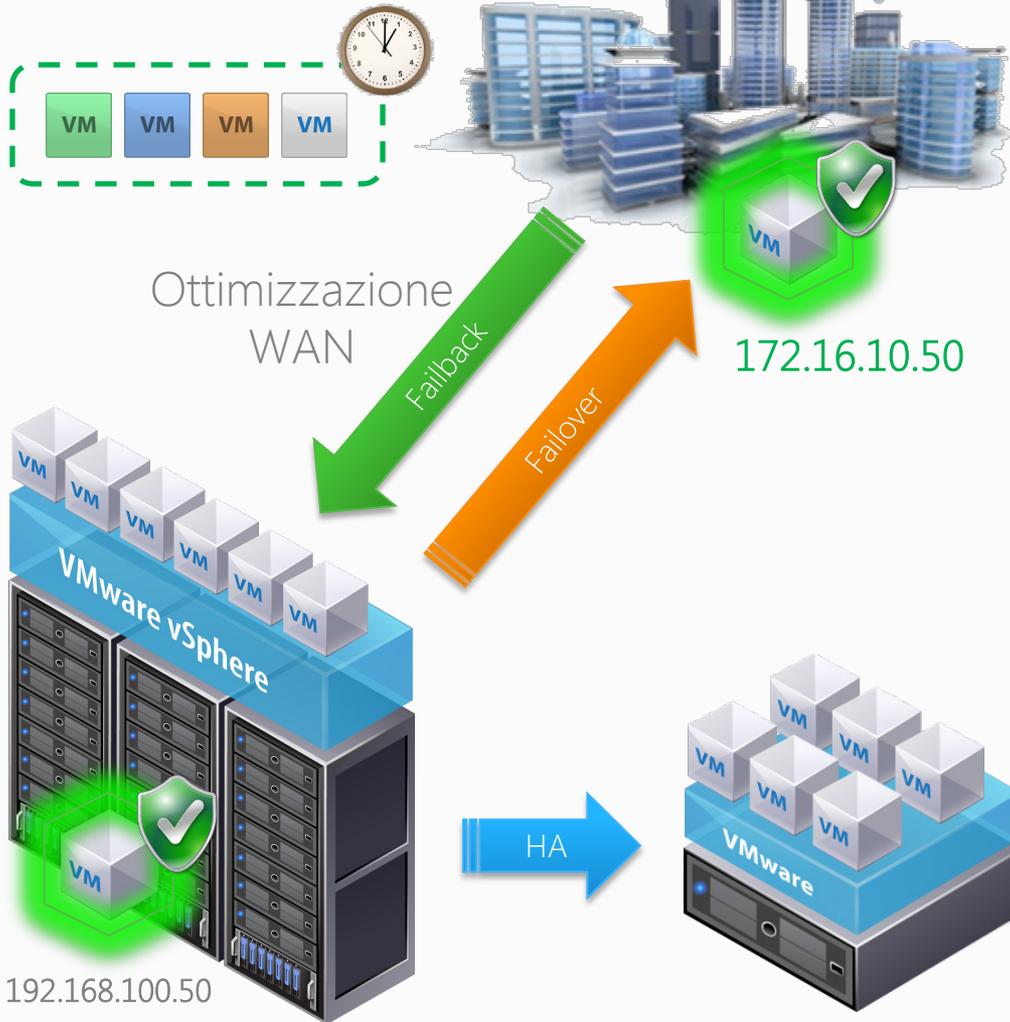
Consistenza Garantita

- Microsoft VSS
- VM Snapshot

Features Uniche

- Instant File Restore
- Restore granulare per qualsiasi applicativo

Replica



1. DR & HA, NearCDP

2. Replica efficiente

3. Consistenza transazionale

4. Replica rollbacks

5. Failover & Failback

6. Reindirizzamento IP

7. Senza vincoli...

VB&R Cloud Edition

The screenshot shows the Veeam Backup & Restore Cloud Edition interface. The main window displays a 'Welcome to Veeam Cloud Backup' message with navigation options: 'Setup Backup Plan', 'Restore Backup', and 'Archive to Glacier'. A 'Total Overview' section shows 'Veeam Azure Storage (MCD)' with 'Used space: 15.4 GB' and 'Cost: \$1.08'. Below this, 'Backup Plans' are listed, including 'Exchange Servers Azure' and 'Exchange Servers Amazon'. A 'Current Network Settings' table is also visible.

Current Network Settings	
Bandwidth:	Unlimited
Retry attempts:	3 attempts, time between atten
Thread count:	6
Process priority:	[Normal] General Process Priorit

A context menu is overlaid on the right side of the interface, listing various storage accounts and wizards:

- File
- View
- Tools
- Help
- Amazon S3 Account...
- Amazon Glacier Account...
- Azure Storage Account...
- File System Storage Account...
- OpenStack Storage Account...
- Rackspace Storage Account...
- Google Storage Account...
- HP Cloud Storage Account...
- Clodo Storage Account...
- Haylix Storage Account...
- Scality Storage Account...
- Dunkel Storage Account...
- Tiscali Storage Account...
- HostEurope Storage Account...
- DreamObjects Storage Account...
- GreenQloud Storage Account...
- Seeweb Storage Account...
- Connectria Storage Account...
- Walrus Storage Account...
- Mezeo Storage Account...
- Backup Plan Wizard (Ctrl+B)
- Restore Wizard (Ctrl+R)
- Export Configuration
- Import Configuration
- Exit (Ctrl+Q)

Cloud Backup 

Encryption 

Compression 

Stima dei costi 

Innovazione Veeam

v1

- 2-in-1: backup and replication
- Instant File-Level Recovery
- Built-in deduplication
- Synthetic full backups
- Replica rollback

v3

- Centralized management
- Support for vStorage APIs
- Support for CBT
- Support for thin-provisioned disks
- Near-CDP
- Replication to ESXi

v5

- vPower
- SureBackup
- Instant VM Recovery
- U-AIR
- On-Demand Sandbox
- Instant indexing

6.1

- VeeamZIP
- vPower for Hyper-V
- Veeam Backup Free Edition

Cloud Edition

- Integration with Cloud Storage APIs
- Backup to Cloud
- Sync to Cloud

Q3 08

Q4 09

Q4 11

Q4 12

Q1 08

Q1 09

Q4 10

Q2 12

Q1 13

- ESXi support with VCB
- Fastest VCB performance
- Advanced VSS support

- Instant File-Level Recovery for Linux
- ESXi support without VCB

- Enterprise scalability
- Advanced replication
- Hyper-V support
- 1-Click File Restore

- Veeam Explorer for Microsoft Exchange
- Veeam Explorer for SAN Snapshots
- New hypervisor support: vSphere 5.1 and Windows Server 2012 Hyper-V

v2

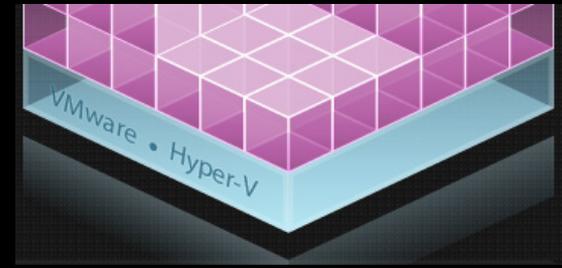
v4

6.0

6.5

Countdown to v7

<http://go.veeam.com/v7.html>



2 Disruptive Innovations

Built-in
WAN-Acceleration

Backup from SAN Snapshots

7 Market-Leading Features

VMware vCloud Director support

VMware vSphere Web Client Plug-in

Veeam Explorer for MS Sharepoint

Virtual Labs for Hyper-V

Native Tape Support

Enhanced 1-Click Restore

Virtual Labs for Replicas

...and **50+** Enhancements

Grazie!



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