# Infrascale
# VMware Backup

Data protection solution for
virtual environments

PUBLIC CLOUD

PRIVATE CLOUD

HYBRID CLOUD

**vm**ware™

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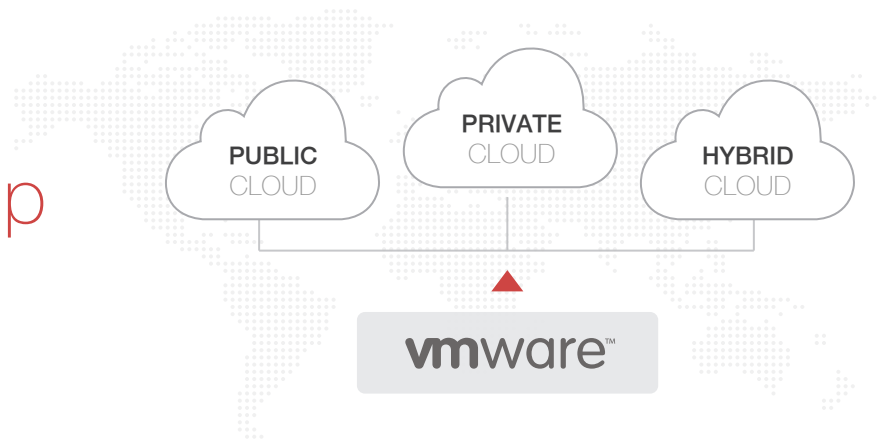
**Infrascale VMware Backup** is available as a virtual appliance that runs with Infrascale's cloud. VMware Backup protects data residing in VMware virtual computing environments found in the enterprise.

## Key **Features and Functions**

➡ Provides full backup of virtual machines – operating systems, applications and data – with version history so you can roll back to any previous backup date you choose

➡ Comprehensive support for all major guest operating systems

➡ Backup capability functions effectively from single VMware hosts up to large vCenter environments

➡ Agentless "host level" backup so you can protect virtual machines without requiring any software to be installed on the individual VMs. Options for backup/restore of entire virtual machine images or specific files and folders

➡ Automatic active-passive replication where the VMware Backup module keeps a backup set onsite and replicates that backed up data to the Infrascale cloud

➡ Enterprise-grade performance with high sustained backup/restore speeds

➡ Patented data de-duplication with up to 10X reduction in data size further reduces the backed up data size for highly efficient backups

➡ Full integration into the Infrascale dashboard makes VMware backup simple to manage

➡ Set-and-forget backup policies that apply globally to all protected environments

➡ Can mix with agent-based backup of ESXi free version and virtual machines with Raw Device Mapping enabled

➡ Automatically track and protect newly created and / or migrated VMs

➡ Leverages VMware's APIs for Data Protection (vADP) to track and backup only changed blocks (CBT) rather than entire files every time, skip unused sections of VMDKs and allow differential and incremental backups

➡ Host-level licensing means no per-socket pricing

# **Virtual Machine** Version Support

| vmware™ | vSphere ESX | 4.0, 4.1, 5.0, 5.1, 5.5 |
|---------|-------------|-------------------------|
|         | vCenter     | 4.0, 4.1, 5.0, 5.1, 5.5 |

# **Virtual Appliance** Specifications

| | |
|---|---|
| **Protected data size** | *Unlimited, depends only on available storage* |
| **Backup & restore speed (1 GB Ethernet)** | *150 GB – 200 GB per hour, based on available resources* |
| **Backup & restore speed (10 GB Ethernet)** | *n/a* |

## System requirements

| | **Disk 1** | **Disk 2** | **Disk 3** |
|---|---|---|---|
| *Minimum disk space* | *2 GB – boot volume* | *180 GB – database volume (should be SSD)* | *2 TB (or larger) – backup storage volume* |
| *Recommended disk space* | *4 GB – boot volume* | *360 GB – database volume (should be SSD)* | *2 TB (or larger) – backup storage volume* |
| *CPU* | *2 x 3 GHz processors (or better)* | | |
| *Minimum RAM memory* | *16 GB* | | |
| *Recommended RAM memory* | *48 GB* | | |
| *Operating system* | *Delivered as a VMware virtual machine* | | |