

# VMware vSphere Virtual Volumes (vVols) Helps IT Keep Pace with the Increasing Demands of the Digital Economy

vVols management framework is a distinctive VMware feature which abstracts the capabilities of multiple heterogeneous storage systems—enabling policy-based management, reducing typical storage tasks, and delivering increased operational efficiency. As a result, vVols simplifies the management of traditional SAN storage, enabling application rollouts to happen faster and more efficiently.

## vVols simplifies management to address modern IT complexities and personnel shortages

IT is already perceived as **holding back business**.

Line-of-business executives ESG surveyed are four times more likely to say they regard their company's IT group a business inhibitor than that they view it as a competitive differentiator (25% versus 6%).



**43%**

Those who view IT as a business inhibitor said it is because IT processes take too long (43%), and/or it is too difficult for business analysts and other workers to access data they need to do their jobs (43%).

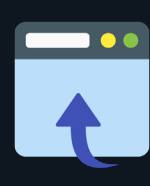
IT is becoming **increasingly complex**

64% of surveyed IT decision makers viewed IT as being more complex in 2020 than it was just two years previous:



**37%**

identified higher data volumes as a factor driving the increased complexity.



**28%**

identified increases in the number and type of applications as a factor.



**26%**

identified the need to use both on- and off-premises technologies as a factor.

**The true bottleneck to effective IT is finding the right people: as IT demands increase, talent is becoming scarcer.**



**34%**

of senior IT decision makers surveyed by ESG reported that they are experiencing problematic skill shortages in the area of IT orchestration and automation expertise.



**32%**

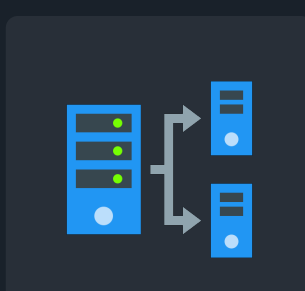
are dealing with staff shortages in IT architecture and planning.

## vVols provides automation and abstraction advantages to any IT organization



### Elimination of traditional LUN management:

vVols consolidates multiple datastores on different platforms under a single, familiar management layer. With vVols, the integration work between VMware and the storage array is complete, reducing the burden placed on IT administrators.



### Enterprise features presented to applications:

vVols allows admins to leverage the specific features of their given storage solutions, such as snapshots, clones, replication, and quality of service (QoS). Admins can match VMs with the right storage array functionality, increasing the value of existing storage assets with more efficient and better usage of their existing capabilities.



### Improved storage efficiency better tailored to virtual machines:

Storage capacity is no longer required to be pre-allocated to individual hosts for possible future expansion. Virtualization admins have more control over storage provisioning, and, as a result, storage system capacity can be allocated more efficiently and on demand.

## vVols quantitative and qualitative stats from VMware customer studies

### HPE 3PAR Storage and vVols Solution:



#### SPEED:

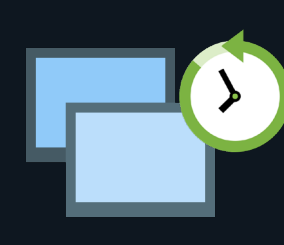
Admins were able to migrate all their VMs to another cluster faster or **create new clusters in 15 minutes**.



#### PROTECTION:

Because vVols enables the storage to perform VM snapshotting without any impact to the server, **data is being protected more frequently and reliably than it was on traditional LUNs**.

### Pure Storage and vVols Solution:



#### RECOVERY TIMES:

Leveraging vVols, there was also a **6x improvement in VM recovery times**, increasing business resilience as VMs became recoverable within minutes.



#### CAPACITY EFFICIENCY:

vVols enabled 1:1 relationships for VMs and their storage volumes, which **improved both capacity efficiency and manageability**.

## vVols allows you to consolidate and simplify hybrid cloud management addressing the top demands of modern organizations



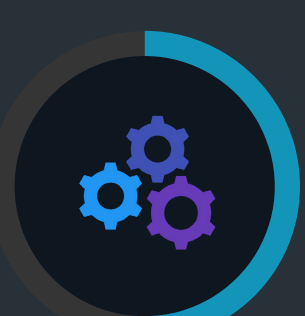
**54%**

identified off-premises management as being more complex or even much more complex than on-premises management.



**48%**

of the surveyed decision makers identified the ability to manage both on- and off-premises environments as a requirement of hybrid cloud management software.



**51%**

When developing a hybrid cloud strategy, **51% preferred having management consistency with their existing on-premises infrastructure and virtualization environments**.

## The Bigger Truth

The advanced automation and orchestration delivered by vSphere and vVols simplifies the lives of IT admins while increasing the value of existing storage assets. With vVols, core IT tasks are streamlined, existing storage features are easier to use to enable faster application deployments, and overall storage capacity efficiency is improved. vVols allows you to take advantage of your existing storage and enjoy seamless integration with other parts of the VMware portfolio such as VMware Cloud Foundation (VCF) and vSAN as part of VMware's storage policy-based management (SPBM) framework. Don't be left behind. If you have a SAN, especially if you have vSphere, you should be using vVols.

[LEARN MORE](#)

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Sources:

ESG Master Survey Results, 2019 Technology Spending Intentions Survey, March 2019.

ESG surveyed 358 IT professionals responsible for their organization's on-premises and cloud-based infrastructure and management software.

ESG Master Survey Results, Hybrid Cloud Trends, May 2019.

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