TECHNICAL VALIDATION

Nutanix Cloud Platform With Everpure

Delivering Optionality and Operational Simplicity to Virtualized Environments

By Alex Arcilla, Principal Validation Analyst, and Justin Boyer, Senior Validation Analyst
Omdia

MARCH 2026

This Technical Validation from Omdia was commissioned by Everpure and is distributed under license from TechTarget, Inc.

Contents

© 2026 TechTarget, Inc. All rights reserved. Unauthorized reproduction prohibited.

Introduction

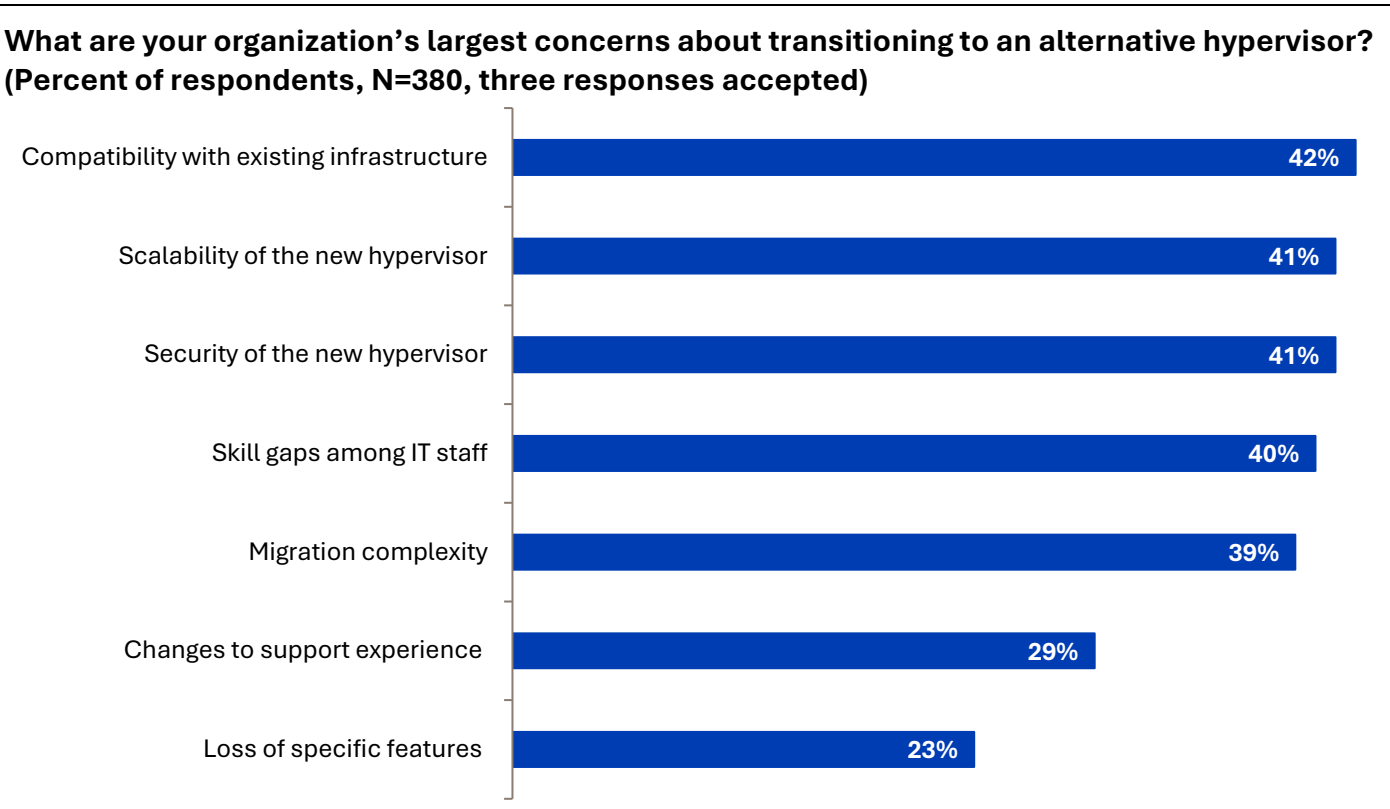
This Technical Validation by Omdia documents our evaluation of Nutanix Cloud Platform (NCP) with Everpure. We evaluated how the joint solution can help organizations increase operational efficiency while providing architectural flexibility for virtualized environments.

Background

As organizations continue to face constrained IT budgets, numerous strategies are under consideration. One strategy that has prominently emerged is investigating hypervisor alternatives; in fact, Enterprise Strategy Group (now Omdia) research found over half of survey respondents are taking this route.[1] One reason prompting investigation has been pricing changes, as 72% of respondents have experienced a cost increase in hypervisor environments due to changes in licensing models in the last 18 months.

However, those who are considering alternatives are not primarily motivated by cost. Organizations still require alternative hypervisors to support business- and mission-critical workloads, thus having concerns about switching to an alternative. Amongst the most cited concerns are compatibility with existing infrastructure, scalability, and security (see Figure 1).

Figure 1. Organizations Have Several Concerns When Evaluating Hypervisor Solutions



Source: Omdia

[1] Source: Enterprise Strategy Group (now Omdia) Research Report, *Private AI, Virtualization, and Cloud: Transforming the Future of Infrastructure Modernization*, July 2025. All Enterprise Strategy Group research references and charts in this Technical Validation are from this report.

© 2026 TechTarget, Inc. All rights reserved. Unauthorized reproduction prohibited.

In light of the dynamic business environment, organizations must also keep in mind that more workloads are becoming more data-intensive, leading to larger storage requirements. To that end, selecting an alternative hypervisor must also enable simple scaling of compute and storage resources independently, especially when needing to respond to emerging and evolving business needs. Independent scaling of resources can help organizations operate within constrained budgets, as this approach can reduce overprovisioning of resources, operational overhead, and IT complexity.

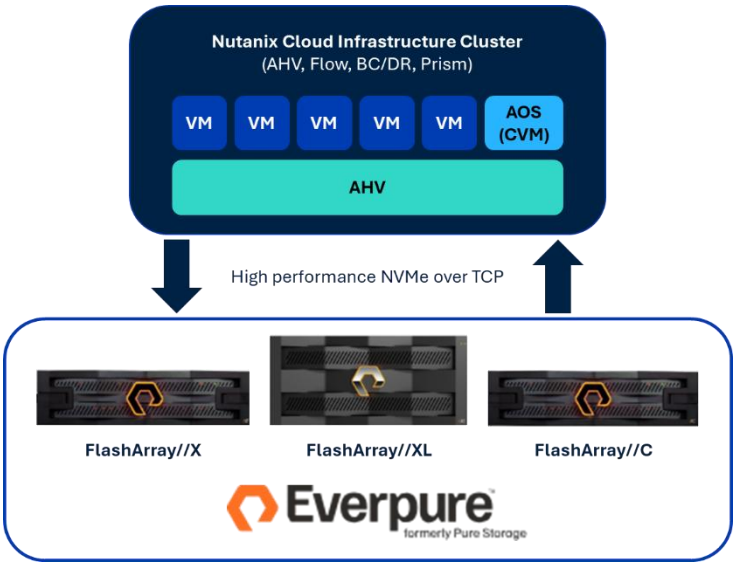
Nutanix Cloud Platform With Everpure

Nutanix and Everpure have partnered to offer the Nutanix Cloud Platform with Everpure FlashArray//X, //XL, and //C. The joint solution provides organizations operating storage-intensive virtualized workloads with an alternative, enterprise-ready hypervisor that works with high-performance, all-flash storage. Everpure customers can extend their storage investments when selecting the Nutanix Acropolis Hypervisor (AHV) as their alternative. (Omdia notes that this disaggregated architecture does not enable the use of existing Nutanix HCI nodes with Everpure FlashArray.)

The joint solution features a disaggregated architecture with Nutanix AHV managing compute resources and Everpure FlashArray providing storage, with data access enabled via NVMe over TCP (see Figure 2). By using this protocol, the joint solution provides consistent low-latency, high-IOPS access for data-intensive workloads as if the storage were "local" (i.e., compute and storage are colocated in the same node).

When running production workloads on this joint solution, organizations leverage Nutanix AHV's virtualization, security, disaster recovery, and operational simplicity along with Everpure's data services.

Figure 2. Nutanix Cloud Platform With Everpure



Source: Everpure and Omdia

With this collaboration, organizations can benefit from the strengths Nutanix and Everpure bring. Nutanix enables organizations to benefit from:

© 2026 TechTarget, Inc. All rights reserved. Unauthorized reproduction prohibited.

- **Business agility.** With the VM-centric architecture, the need to manage the underlying hardware components shifts to managing the VMs supporting the workloads. Nutanix's VM-centric architecture accelerates provisioning, simplifies scaling, and enables higher performance for business- and mission-critical workloads.
- **Simple operations.** Nutanix Prism, NCP's interface, streamlines Day 0 through Day 2 operations via a VM-centric interface. This centralized interface offers simplified workflows, automation features, and integrated compute and storage monitoring.
- **Integrated network security.** With Nutanix Flow, organizations can establish granular control over east-west traffic using microsegmentation and virtual networking. These security controls are designed to be policy-driven and application-aware. Organizations can reduce security risk and meet compliance requirements without adding operational burden.

Utilizing Everpure FlashArray as external storage delivers the following benefits.

- **Data reduction.** Always-on global deduplication and compression can help reduce an organization's storage footprint. Combined with the high storage density per rack unit and low power consumption of FlashArray, capital expenses can decrease.[2]
- **Storage resilience.** FlashArray hardware has been designed for reliability and availability (e.g., active dual controllers). The Purity operating system protects against concurrent dual-drive failures. When encountering performance variability, Purity recognized this state as a "failure" to be resolved by using parity to work around bottlenecks so that latency remains consistent.
- **Cybersecurity protection.** FlashArray applies an "encrypt-everything" approach, enabled with Purity's always-on encryption, to deliver enterprise-grade data security. SafeMode snapshots of volumes are also supported.
- **Familiar disaster recovery/business continuity process.** Because FlashArray can be managed via Nutanix Prism, organizations can also manage the orchestration of replication, snapshots, and disaster recovery activities. These workflows are no different when working with HCI storage.
- **Simplified operations and management.** Storage administrators benefit from the simple workflows used for deployment, configuration, and administration delivered with the centralized interface and Purity operating system, thus reducing operational overhead.
- **Insights with Pure1 AIOps.** With AI-enhanced analysis and insight, organizations can locate and resolve issues in less time. Additional insight into data usage and placement assists in optimizing workload placement so that service-level agreements are continually met without incurring additional costs.
- **Evergreen storage.** Everpure's signature subscription enables organizations to deploy Everpure arrays once, then receive enterprise-level data services, tools, and new software features, along with upgraded controllers, blades, and flash when needed. All can be delivered without incurring downtime and impacting performance.

[2] Based on past work with Everpure, Omdia has validated that organizations can achieve lower capital expenses when using Everpure for virtualized workloads.

© 2026 TechTarget, Inc. All rights reserved. Unauthorized reproduction prohibited.

Omdia Technical Validation

Using briefings and online demonstrations, Omdia validated the benefits that organizations can expect to gain from using the combination of Everpure and Nutanix AHV to expand optionality in both virtualization and storage while enabling easier ongoing storage management.

Architectural Flexibility and Simplicity

Responding to constantly evolving business needs requires easy scalability. This is particularly important when virtualized workloads consume more storage than initially allocated. While hyperconverged infrastructure (HCI) offers a simple way of scaling compute and storage resources up and down—namely, adding nodes—this approach can ultimately add more storage. Yet, as HCI nodes are configured with a fixed ratio of compute and storage resources, excess compute or storage resources are left unused.

On the other hand, the disaggregated architecture of NCP with Everpure enables organizations to add FlashArray as external storage. Organizations can then scale compute and storage independently while minimizing the risk of overprovisioning.

To validate how NCP with Everpure enables architectural flexibility, Omdia first verified the current server hardware supported by Nutanix. As shown in Figure 3, we found that organizations have multiple options for compute resources from Cisco, Dell Technologies, and HPE. As these three vendors are installed extensively in numerous IT networks, the choice of compute becomes less of a barrier with Nutanix's current (and future) server support. Additionally, existing Everpure customers using any of these compute resources can preserve their existing hardware investments. The list is by no means comprehensive, as new hardware is continually being certified by Nutanix.

Figure 3. Extensive Choice of Enterprise-grade Server Hardware[3]

Source: Everpure and Omdia

When it comes to data protection, business continuity, and cyber resilience, Omdia also noted the support already available for the joint solution. Nutanix NCP supports asynchronous replication to support disaster recovery efforts. Additionally, Everpure already has an ecosystem of backup and

[3] Everpure FlashStack with Nutanix is supported as a Cisco Validation Design.

© 2026 TechTarget, Inc. All rights reserved. Unauthorized reproduction prohibited.

recovery vendors, namely Veeam, Commvault, Rubrik, Cohesity, and HYCU (with more to be added). Again, Omdia notes the options that organizations already have when using Everpure, especially if these vendors' solutions are already in place. Existing Everpure customers wishing to use NCP do not need to rip and replace their existing backup and recovery solutions.

Omdia also considered how the joint solution enables architectural simplicity. Everpure enables the architectural simplicity of the joint solution specifically with its Evergreen subscription program. Instead of traditional forklift storage upgrades, Everpure Evergreen enables organizations to purchase the Everpure platform once, then non-disruptively upgrade both software and hardware, whether to take advantage of new software features, add to existing capacity, or migrate hardware components to the latest technology available. And these upgrades can be performed without disrupting normal business operations (i.e., there's no need for extended maintenance windows when upgrading storage). Everpure Evergreen enables organizations to simplify their architecture in the long term.

Why This Matters

As the virtualization space continues to face disruption, organizations are seriously considering hypervisor alternatives to avoid future vendor lock-in. Yet, initiating such changes must consider that IT budgets continue to decrease when it comes to maintaining production networks. Such conditions call for achieving some level of flexibility in the IT environment that can maintain and increase business agility without incurring unwanted capital and operational expenses.

Omdia validated that NCP with Everpure can deliver the flexibility organizations desire when operating their production networks while working under limited budgets. The joint solution enables organizations to preserve existing investments in server hardware and Everpure FlashArray. Future capital expenses are reduced when leveraging the Everpure Evergreen subscription model. Operational expenses can also decrease when completing tasks using the unified interface of Nutanix Prism Element to complete daily VM, compute, storage, and virtualization tasks.

Operational Simplicity

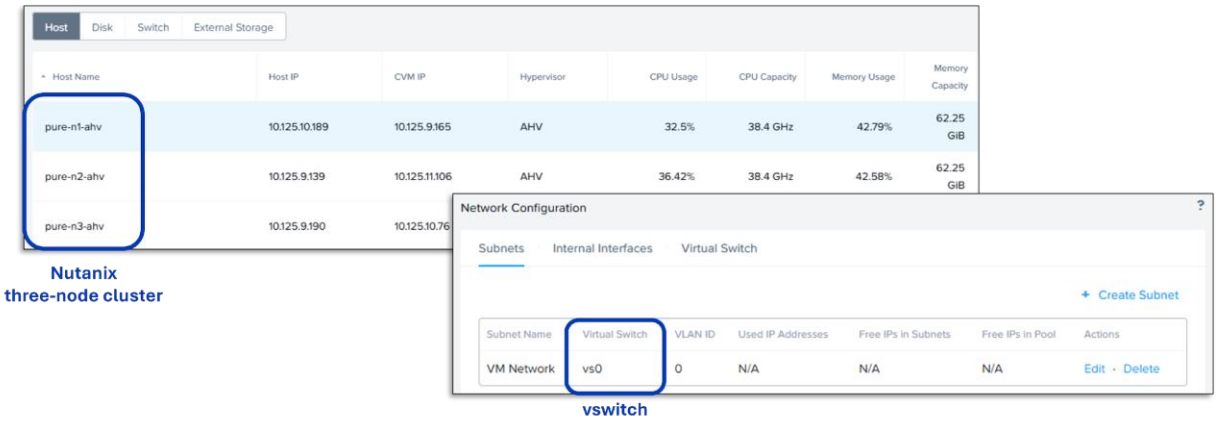
Working with separate server, storage, and virtualization resources to support virtualized workloads comes with the risk of working with separate management interfaces, whether offered by the same or different vendors. This can lead to operational and management complexity, hindering an organization's agility when responding to changing business needs.

Organizations using NCP with Everpure can experience simplified management of compute, storage, and virtualization via a single interface, Nutanix Prism Element. With Nutanix's VM-centric provisioning and management, those responsible for virtualization do not have to provision storage via a Everpure array interface.

To validate how the joint solution simplifies operations, Omdia reviewed how to use the Nutanix Prism Element interface for operating and managing NCP with FlashArray using Cisco Unified Computing System (UCS) server model UCSX-210c-M7. We first observed how to connect a FlashArray as external storage for the Nutanix three-node cluster consisting of "pure-n1-ahv," "pure-n2-ahv," and "pure-n3-ahv" (see Figure 4). A virtual switch (vswitch) already exists to add interfaces for storage traffic.

© 2026 TechTarget, Inc. All rights reserved. Unauthorized reproduction prohibited.

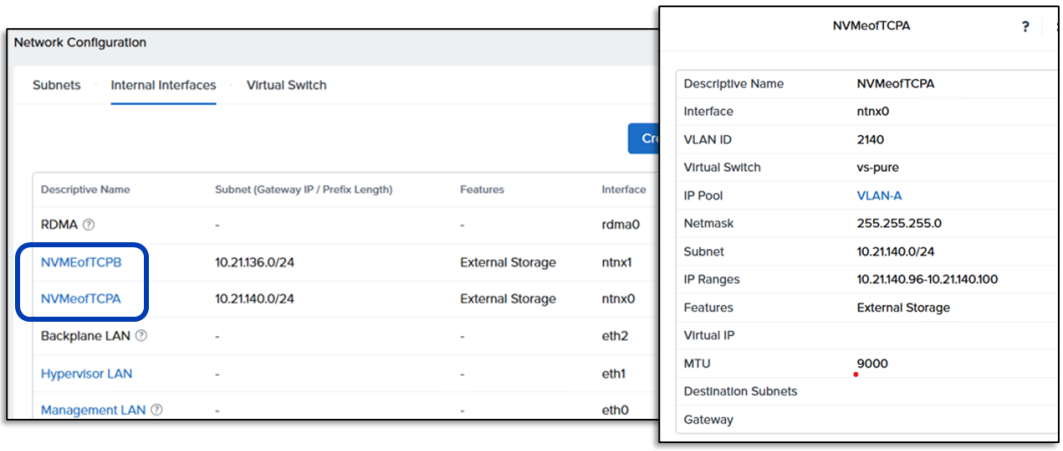
Figure 4. Connecting a Everpure FlashArray to Nutanix Cluster



Source: Omdia

Two storage interfaces, "NVMe0TCPA" and "NVMe0TCPB," are created with the relevant IP ranges (see Figure 5).

Figure 5. Storage Interfaces Configured on External Storage (Everpure FlashArray)



Source: Omdia

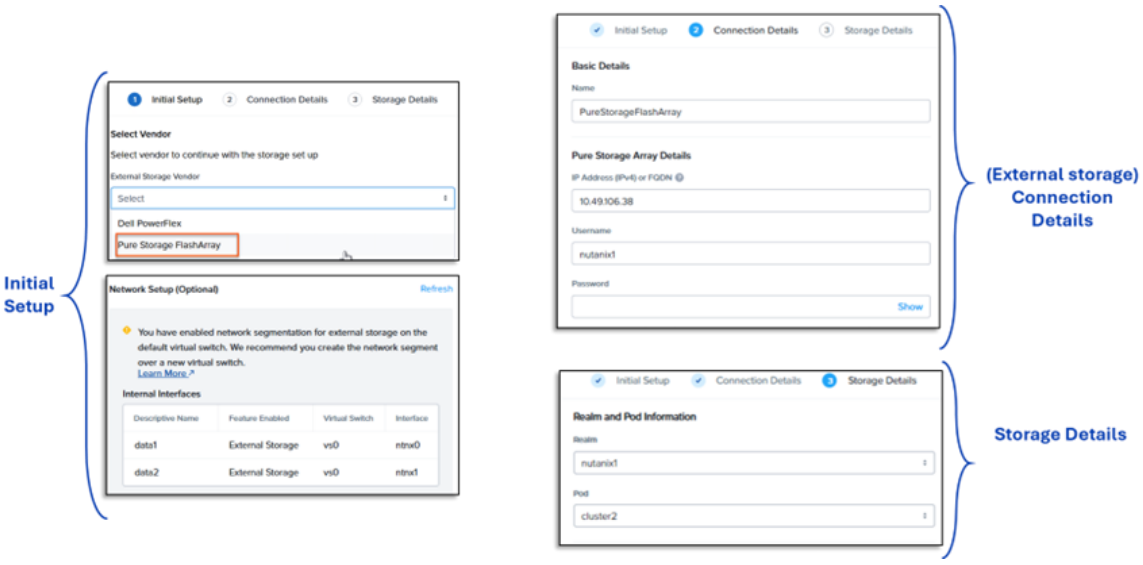
To add FlashArray as external storage, we simply clicked on the "Add External Storage" button. As shown in Figure 6, completing this task is done in three steps: Initial Setup (for selecting the external storage array that will connect to compute resources via the designated vswitch shown in Figure 4), Connection Details (such as the FlashArray IP address), and Storage Details. For the last step, we were prompted to select the "realm" and "pod" that would connect with the Nutanix cluster.

- A "pod" is a logical container for storage objects, grouping related volumes, snapshots, and protection policies. Optionally, a pod can be assigned a storage quota. This can belong to only one realm.
- A "realm" is a logical namespace that supports multitenancy and administrative isolation. This construct enables multiple tenants or environments to exist on the same FlashArray.

The pod and realm enable isolated and secure management of storage resources.

© 2026 TechTarget, Inc. All rights reserved. Unauthorized reproduction prohibited.

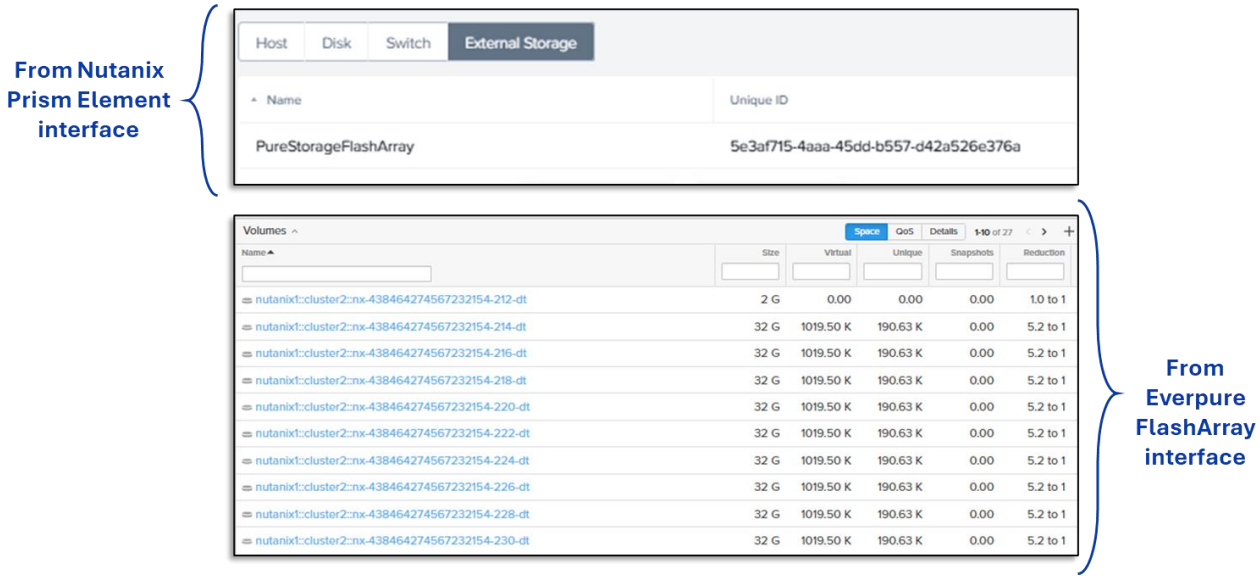
Figure 6. Attaching Everpure FlashArray as External Storage for Nutanix Cluster



Source: Omdia

Once the FlashArray is attached to the Nutanix cluster as external storage, it is noted within the Prism Element interface (see Figure 7). To verify that the cluster's storage resources have been provisioned and attached to the cluster, Omdia navigated to the FlashArray interface. After navigating to the list of pods and clicking on the cluster of interest, we viewed the volumes of the pod connected to the cluster. We noted that the list reflects swap volumes (virtual RAM to be used when physical RAM becomes full). As VMs are created and provisioned, volumes are automatically created and appear on the same list.

Figure 7. Verifying Storage for Nutanix Cluster Is Provisioned on the Everpure FlashArray



Source: Omdia

© 2026 TechTarget, Inc. All rights reserved. Unauthorized reproduction prohibited.

Why This Matters

Achieving operational efficiency in virtualized environments requires reducing the complexity that can exist when using multiple tool interfaces to manage VMs, networking, compute, and storage. The presence of multiple interfaces can only slow down deployment and daily operations as organizations need to switch between tools.

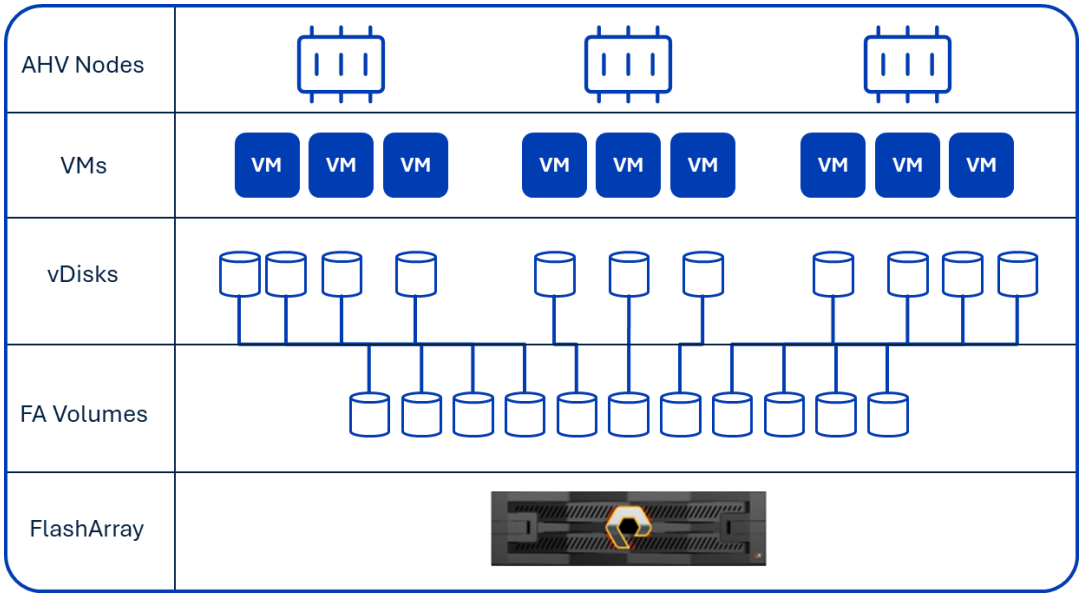
Omdia validated that the joint solution of NCP and Everpure delivers the capabilities to help organizations streamline their operations within virtualized environments. By achieving API-level integrations of Nutanix and Everpure management tools, organizations simply need to use the unified interface delivered by Nutanix Prism Element to perform VM, compute, storage, and networking-level tasks. We observed this integration as we completed storage-related operations, such as adding Everpure FlashArray as external storage and defining pods and realms, eliminating the need to work with the Everpure management tool interface.

Granular Storage Control

Since NCP with Everpure creates volumes automatically when spinning up individual VMs, this direct mapping enables organizations to control and manage storage granularly. If a VM needs more storage, organizations can easily scale the number of storage volumes (which are considered vDisks assigned to a VM). As shown in Figure 8, each FlashArray volume corresponds to each vDisk supporting individual VMs.

More importantly, enterprise-level data services usually applied at the storage array level (i.e., snapshots, QoS policies, and data protection) can be applied on a per-vDisk basis. Thus, organizations can apply these services to specific workloads without affecting the vDisk's neighbors.

Figure 8. Relationship Between Nutanix vDisks and Everpure FlashArray Volumes



Source: Everpure and Omdia

© 2026 TechTarget, Inc. All rights reserved. Unauthorized reproduction prohibited.

This granular storage control also simplifies how (VM and volume) FlashArray snapshots are taken. Whether created on demand or directed via protection policy, these snapshots are taken instantly and space efficiently. FlashArray snapshots can be initiated and scheduled using Nutanix Prism Element. Nutanix is then responsible for the snapshot metadata tracking and lifecycle management.

Why This Matters

Applying data services, such as replication, QOS, and data protection, to storage in virtualized environments is typically done at the physical storage layer. Yet, this approach complicates operations when attempting to apply different policies to individual virtualized workloads.

Omdia validated that NCP with Everpure enables a granular level of storage control so that organizations can apply data policies at the vDisk level. This falls in line with Nutanix's VM-centric architecture.

Conclusion

With the recent changes in the virtualization landscape, organizations are open to exploring alternative hypervisors. However, numerous concerns arise when reviewing options. According to Enterprise Strategy Group (now Omdia) research, numerous factors come into play, including compatibility with existing infrastructure, scalability of the new hypervisor, security, and the availability of the skill sets needed to complete daily operations with a new hypervisor. These concerns come as no surprise, as organizations want to minimize disruption of normal operations while remaining agile in satisfying business needs.

NCP with Everpure has been designed to address these concerns. The combination of the Nutanix AHV and Everpure FlashArray, managed with Nutanix Prism Element, provides organizations with a high-performance, scalable, and secure solution that can support business- and mission-critical workloads while increasing operational efficiency. By implementing NCP with Everpure, organizations can reduce both capital and operational expenses.

Omdia's review of NCP with Everpure validated that organizations can benefit from:

- The architectural flexibility that enables organizations to preserve their existing investments in server and Everpure hardware.
- The simplified operations enabled by the VM-centric management and control via Nutanix Prism Element's unified interface.
- The granular storage control that simplifies how data services can be applied at the VM storage level, without affecting neighboring VMs and their vDisks/volumes.

Given the ongoing shifts in the virtualization market, organizations are exploring opportunities to exploit these changes, examining alternatives that can reduce their expenses as IT budgets continue to decrease. Our evaluation of NCP with Everpure reveals that the joint solution presents a viable alternative that should be placed under further consideration for your production networks.

© 2026 TechTarget, Inc. All rights reserved. Unauthorized reproduction prohibited.

Copyright notice and disclaimer

The Omdia research, data, and information referenced herein (the "Omdia Materials") are the copyrighted property of TechTarget, Inc. and its subsidiaries or affiliates (together "Informa TechTarget") or its third-party data providers and represent data, research, opinions, or viewpoints published by Informa TechTarget and are not representations of fact.

The Omdia Materials reflect information and opinions from the original publication date and not from the date of this document. The information and opinions expressed in the Omdia Materials are subject to change without notice, and Informa TechTarget does not have any duty or responsibility to update the Omdia Materials or this publication as a result.

Omdia Materials are delivered on an "as-is" and "as-available" basis. No representation or warranty, express or implied, is made as to the fairness, accuracy, completeness, or correctness of the information, opinions, and conclusions contained in Omdia Materials.

To the maximum extent permitted by law, Informa TechTarget and its affiliates, officers, directors, employees, agents, and third-party data providers disclaim any liability (including, without limitation, any liability arising from fault or negligence) as to the accuracy or completeness or use of the Omdia Materials. Informa TechTarget will not, under any circumstance whatsoever, be liable for any trading, investment, commercial, or other decisions based on or made in reliance of the Omdia Materials.

Get in touch: www.omdia.com askananalyst@omdia.com

© 2026 TechTarget, Inc. All rights reserved. Unauthorized reproduction prohibited.