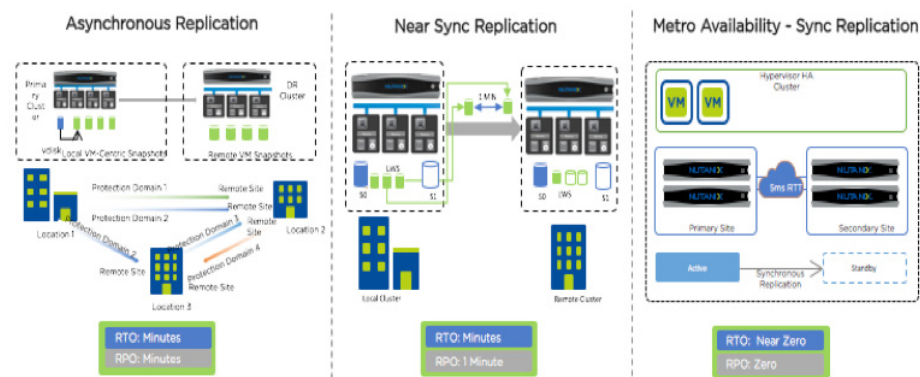


Nutanix Acropolis Persistent Storage Services for Containers

Acropolis Distributed Storage Fabric (ADSF) deliver persistent Enterprise Storage Capabilities to the world of Containers. Containers have taken the software world by storm. By bundling application code with the required dependencies in a simple to share and move format, developers can create with confidence and operators can deploy without fear. While the benefits are clear, new challenges have arisen from the inherent ephemeral nature of containers. While many solutions aim to solve this problem by connecting to storage, only providing persistent storage is insufficient. As containers now run production enterprise-grade applications, it is critical that the storage used provides the enterprise features required to run in a modern environment, such as resiliency, availability, disaster recovery, and capacity optimization. This is exactly what Nutanix Container Storage Services delivers for both Docker and Kubernetes leveraging Acropolis Block Storage Services (ABS) in an easy to use and manage solution.

Nutanix Enterprise Cloud OS with built-in support for Kubernetes® enabling container-based applications to be deployed, managed and scaled in a Nutanix Enterprise Cloud. A joint solution combining Kubernetes, Acropolis Persistent Storage Services for Containers can provide an enterprise-grade environment for containers, including scalable persistent storage services for stateful application workloads. Cloud managers can quickly self-provision Kubernetes via a pre-defined application blueprint with Nutanix Calm and instantiate containerized applications in either Google Cloud or a Nutanix- powered environment with full cross-cloud mobility.

NUTANIX PLUGIN IS A NUTANIX ABS VOLUME GROUP WITH ENTERPRISE GRADE STORAGE AVAILABILITY



NUTANIX KUBERNETES® EXTERNAL PROVISIONER

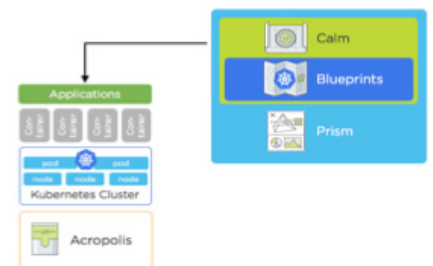
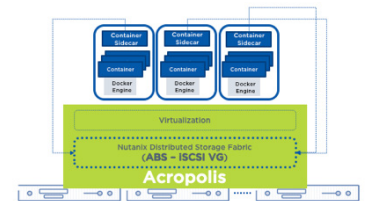
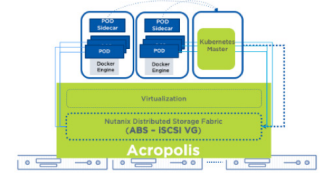
Nutanix provides a Kubernetes External Storage Provisioner that leverages Nutanix ABS (Acropolis Block Service) to dynamically provision, create, delete container volumes for stateful workloads. The Nutanix Kubernetes Volume Plugin runs as a Pod distributed throughout the cluster, seamlessly connecting application pods to their storage. These volumes can then leverage the full power of the Nutanix Enterprise Cloud Platform, applying policy and features as needed and allowing deep granular control over the data, even from different pods running on the same container host. By harnessing the full power of your Nutanix cluster, the load from new jobs can be spread throughout the cluster, eliminating hot spots while growing in scale as the cluster does without requiring complex tuning or rebalancing.

NUTANIX DVP (DOCKER VOLUME PLUGIN)

Nutanix provides a Docker Certified Volume Plugin that provides persistent storage for Docker Engine and Swarm Clusters. Installed on each Docker host, you can dynamically provision volumes via ABS (Acropolis Block Service). This enables Docker deployments to be integrated with Nutanix external storage systems, giving you a single easy to use platform for both containerized and virtual machine workloads. With granular control over these volumes, you can apply policy as required, no matter what Docker host the containers run on. You can download the Nutanix Docker Volume Plugin on Docker Store.

NUTANIX ONE-CLICK KUBERNETES CLUSTER DEPLOYMENT THROUGH CALM

Calm provides application automation and lifecycle management for the Nutanix and public clouds, as part of the Nutanix Enterprise Cloud Platform. Calm orchestrates the provisioning, scaling, and management of applications across multiple environments to make the entire IT infrastructure more agile and application-centric. With Calm, applications are defined via simple blueprints that can be easily created and instantly deployed. IT managers can utilize pre-integrated blueprints – such as Kubernetes or Docker Registry - or create their own, and then publish them to the Nutanix Marketplace. IT can empower other teams, such as application developers or specific lines of business, to deploy and manage applications from the Marketplace in a self-service manner – while retaining full control of the infrastructure.



NUTANIX™
YOUR ENTERPRISE CLOUD

T. 855.NUTANIX (855.688.2649) | F. 408.916.4039
info@nutanix.com | www.nutanix.com | @nutanix

Nutanix makes infrastructure invisible, elevating IT to focus on the applications and services that power their business. The Nutanix enterprise cloud platform leverages web-scale engineering and consumer-grade design to natively converge compute, virtualization and storage into a resilient, software-defined solution with rich machine intelligence. The result is predictable performance, cloud-like infrastructure consumption, robust security, and seamless application mobility for a broad range of enterprise applications. Learn more at www.nutanix.com or follow us on [Twitter@nutanix](https://twitter.com/nutanix).

©2018 Nutanix, Inc. All rights reserved. Nutanix is a trademark of Nutanix, Inc., registered in the United States and other countries. All other brand names mentioned herein are for identification purposes only and may be the trademarks of their respective holder(s).