

## SOLUTION BRIEF

# VMware REPLICATION WITH NAVICLOUD® CLOUD SERVICES



## SUPPORTING ENHANCED BUSINESS RESILIENCY

For organizations with VMware environments, building secondary data centers to support backing up virtual machines (VMs) can prove challenging and capital intensive. NaviSite can help enable simple VM replication via optional, add-on Replication Services for both NaviCloud® Managed Cloud and Self-Service Cloud, enabled by OSHEAN's Beacon 2.0 network; together, delivering a fully resilient Virtual Private Cloud architecture.

Replication Services are designed to enable remote VM backups to replicate back to a site following a disaster, hardware failure or human error, enabling a more timely return to production.

Most organizations leveraging a VMware environment understand the importance of having a backup location for virtual machines (VMs) to support business resiliency as part of an overarching Business Continuity and Disaster Recovery (BCDR) strategy. Beyond having a backup location for relatively rare situations, such as natural disasters, businesses need day-to-day protection from more common events, such as server and other hardware failures, as well as user error.

When it comes to building a backup site, which will hopefully never need to be used, the anticipated upfront and ongoing operational costs can be stalling. Common replication tools alone require like-for-like storage hardware, often resulting in significant hardware costs for secondary facilities. Moreover, complex compute environments contain diverse applications (apps) that may call for faster or slower replication point objectives (RPOs), often making a single replication solution either too fast (to costly) or too slow for some apps.

### A TIME-PROVEN APPROACH TO ENTERPRISE-CLASS IaaS

NaviSite has been offering Cloud Infrastructure Services since 2010, when it first launched NaviCloud® Managed Cloud services. With the introduction of NaviCloud® Self-Service Cloud services in 2013, NaviSite and OSHEAN are now even more capable of working with enterprises to meet complex virtualized infrastructure needs.

### A CLOSER LOOK AT NAVICLOUD® REPLICATION SERVICES

Through an optional, add-on service, the NaviCloud platform can enable users to replicate VMs and groups of VMs between locations in support of a BCDR strategy. To help ensure underlying applications behave as expected, test failovers can also be performed without impacting production.

#### NaviCloud Managed Cloud

NaviSite's experts can manage the replication of a Managed Cloud customer's VM, or group of VMs, between cloud nodes. During Replication Services set-up, NaviSite works with customers to group VMs that should be replicated, migrated or tested together into Virtual Protection Groups (VPGs), as well as to set an RPO.

#### NaviCloud Self-Service Cloud

Self-Service Cloud users can replicate VMs and Virtual Applications (vApps) from one location to another via a simple online interface, which works with most VMware versions. Customers can choose to protect individual vApps, or collections of vApps, and set desired RPOs with compliance requirement warning messages displayed by default. Should a disaster occur, backups can be set to replicate back to a customer site automatically to support a faster return to production.

## SOLUTION BRIEF

### VMware REPLICATION



#### WHY CHOOSE OSHEAN VPC AND NAVICLOUD® CLOUD SERVICES?

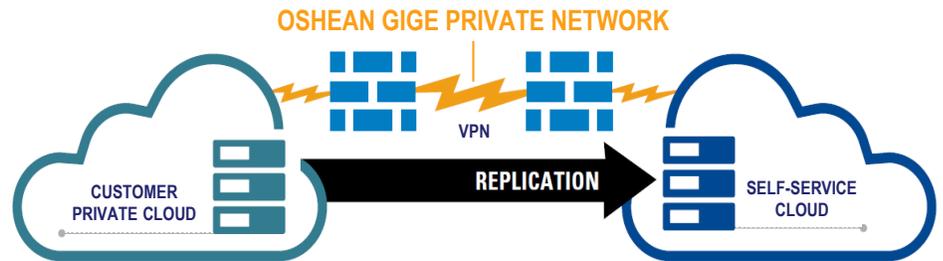
NaviSite works with enterprises to provide...

- Tailored solutions for complex environments
- Enhanced operational efficiency
- Increased spending predictability
- Guaranteed service levels
- Augmented business agility
- Improved cost efficiency
- Fully redundant GigE private network

#### ADDITIONAL USES FOR NAVICLOUD SELF-SERVICE CLOUD REPLICATION

Beyond VMware replication, Self-Service Cloud users can leverage the platform's replication capabilities to migrate VMs to NaviSite's public cloud to make space in private clouds for sensitive workloads. Production workloads can also be activated in NaviSite's public cloud for development and QA purposes without impacting production.

#### NAVICLOUD® SELF-SERVICE CLOUD REPLICATION



Self-Service Cloud users can even replicate VMs running on NaviSite's public cloud back to private clouds to better maximize the use of hardware that is not yet amortized.

#### EXPLORING THE BENEFITS OF OSHEAN AND NAVICLOUD®

OSHEAN and NaviCloud set the standard for enterprise-class IaaS and data network, offering a range of virtualized infrastructure including servers, storage, memory, bandwidth and more.

With OSHEAN and NaviCloud Cloud Services, enterprises are better equipped to avoid unnecessary capital and operational costs associated with funding idle, underutilized servers, as well as to mitigate unnecessary space, power and cooling expenses. Conversely, enhanced scalability, as compared to traditional on-premises alternatives, helps to eliminate the risk of running short of IT assets, due to underestimation.

Moreover, trusting aspects of IT maintenance and support to NaviSite's experts can relieve pressure on local IT staffs.

#### THE NAVISITE AND OSHEAN DIFFERENCE

NaviSite's state-of-the-art data centers, OSHEAN's VPC network, and access to Time Warner Cable's network infrastructure allow us to provide enterprise-class service—even in

the most complex of IT environments. By working with you to understand your business objectives, NaviSite and OSHEAN can deliver customized IT solutions tailored to your current business requirements and in support of your future growth objectives.

#### ABOUT NAVISITE

NaviSite, Inc., a Time Warner Cable Company, is a leading international provider of enterprise-class, cloud-enabled hosting, managed applications and services. NaviSite provides a full suite of scalable managed services for organizations looking to outsource IT infrastructures. Enterprise customers depend on NaviSite for customized solutions, delivered through an international footprint of state-of-the-art data centers.

#### ABOUT OSHEAN

OSHEAN, Inc. is a non-profit coalition of university, libraries, K-12s, hospitals, government agencies and other non-profit organizations dedicated to providing innovative Internet-based technology solutions for its member institutions and the communities they serve

#### CONTACT OSHEAN

For more on the full range of NaviSite and OSHEAN products, visit [OSHEAN.org](http://OSHEAN.org) or email us at [info@oshean.org](mailto:info@oshean.org).