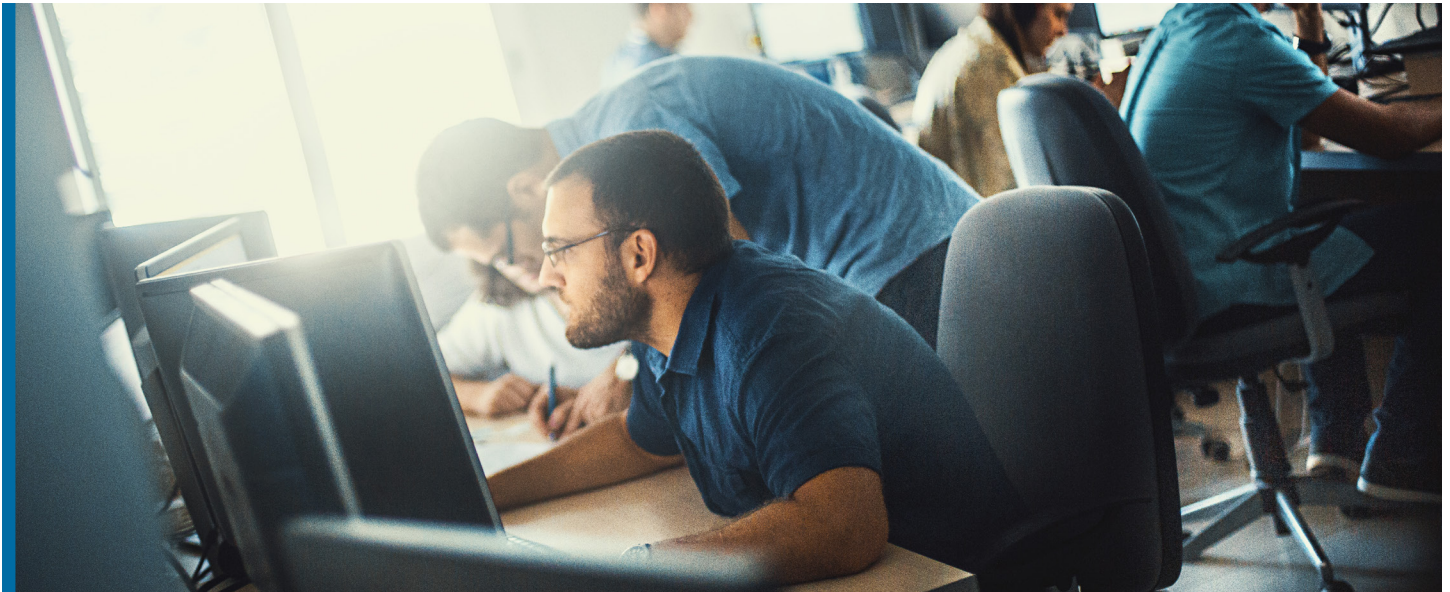


SOLUTION BRIEF

# CLOUD-BASED DISASTER RECOVERY WITH NAVISITE REPLICATION SERVICES

*Return to Production in Minutes after a Disaster or Data Center Interruption*



When a disaster, hardware failure or other interruption takes down your primary VMware environment, failover to a remote secondary site can dramatically minimize downtime and data loss. With Navisite Replication Services, you can support business continuity without the expense of operating remote data centers or external network-attached storage (NAS) devices by replicating your virtual machines (VMs) to one or more of Navisite's highly scalable VMware cloud environments.

## A Proven Approach to Disaster Recovery

Interruptions at your primary data center can result from anything from natural disasters, like floods or tornados, to more common events, such as hardware and software failures, or even simple mishaps like

accidental folder deletion or equipment unplugging. Having an up-to-date secondary site available as a failover location is a critical component of a complete disaster recovery strategy. Regularly replicating virtual machines (VMs) to a remote secondary data center is a proven approach to ensuring both a rapid recovery time (RTO) to reduce downtime and a short recovery point (RPO) to minimize data loss after an interruption. If your primary data center goes down, you initiate a failover from your primary site to your secondary site. Thanks to ongoing replication, a copy of your critical VMs is ready and waiting to power on in your secondary site, supporting business continuity. After you restore your primary data center, you can initiate a fallback from your secondary site to your primary site to resume regular operations.

**Failover:** To switch to running workloads at a secondary site when a primary site fails or is unavailable.

**Fallback:** To switch back from running workloads at a secondary site to running workloads at a primary site.

**Recovery Time Objective (RTO):** Targeted amount of time it will take to become operational again after a primary data center interruption.

**Recovery Point Objective (RPO):** Amount of time between replications. For example, with an RPO of 15 minutes, only data modified during the last 15 minutes could be lost.

Despite the perceived benefits of operating secondary data centers, leasing remote colocation sites or relying on external network-attached storage (NAS) devices, these solutions are often cost-prohibitive and difficult to scale as storage needs fluctuate or expand. Some of the most common enterprise replication tools require fully redundant storage hardware between a primary data center and secondary sites, which alone can make up-front hardware costs staggering.

Once you have a secondary site operational, you still have to contend with ongoing management, staffing, electricity, cooling, security and maintenance costs. Recurring expenses, combined with up-front capital investments, can quickly strain even generous IT budgets—all for a secondary site that will mostly sit underutilized as an insurance policy against potential interruptions in your primary data center.

### Harnessing Scalable Cloud Remote Sites

Navisite Replication Services offer an efficient, scalable and secure solution for increasing your disaster recovery capabilities. For a predictable cost, you can regularly replicate VMs from your primary data center to one or more of Navisite's self-service VMware cloud environments. If there is an interruption at your primary data center, you can have workloads up and running in your remote Navisite cloud in the brief time it takes your VMs to power on (typically minutes). After you restore your primary site, resuming normal operations in your primary data center is just as simple.

## Navisite Knows Enterprise



- 20+ years' experience providing enterprise managed services
- VMware U.S. Showcase Provider for vCAV
- 900+ employees, with more than 1449 IT certifications
- Committed to the ITIL service management framework
- Tens of thousands of VMs under Navisite management
- Part of Spectrum Enterprise, the third largest Ethernet Services Provider in the U.S.

With Navisite Replication Services, you gain the flexibility and peace of mind that a remote secondary site is waiting to power on at a moment's notice, without the burden or cost of operating a secondary site. You pay a predictable cost for regularly replicating your VMs from your primary data center to your Navisite cloud environment as well as for associated bandwidth and cloud data storage. In the event of an interruption at your primary data center, you pay for the cloud resources you actually use between initiating a failover to your remote Navisite environment and initiating a fallback to your primary site. After you initiate

a fallback to your primary data center, you can power-down your Navisite remote environment, returning to your regularly budgeted cloud usage levels.

When you first explore Navisite Replication Services, Navisite's certified experts will work with you to gain an understanding of your targeted use cases to help you select the optimal replication solution. From there, using Proximity, Navisite's client interface, you can determine which of your VMs to protect and select the RPO best aligned with your needs. You also have the flexibility to set protected VMs to replicate back to your primary data center on demand or automatically after an interruption is resolved.

### Testing and Development Without Risk

You can eliminate the risk of inadvertently affecting your live production environment during development and testing (dev/test) by using Navisite Replication Services to replicate VMs from your primary data center to a Navisite cloud for dev/test. When you determine an application is production-ready, you can easily initiate a fallback to replicate the application into your live production environment.

### A Controlled, Self-Service Cloud Migration

As an alternate use for Navisite Replication Services, you can replicate VMs from your on-premises data center to a Navisite cloud environment to enable an incremental, self-service cloud migration. You have the flexibility to replicate applications one at a time, in a controlled, strategic manner, following your own schedule. Of course, you can also elect to migrate only select applications to Navisite Cloud, leaving others to run on-premises, as part of a hybrid cloud strategy.

### Support for World-Class Replication Solutions

Navisite Replication Services support a selection of leading enterprise replication solutions, including VMware vCloud Availability (vCAV), Zerto and Carbonite's Double-Take. Navisite's certified experts will work with you to explore the unique benefits of each solution and to recommend one or more that are best aligned with your target RPO, RTO and business objectives.

### A Closer Look at Navisite Cloud

Navisite Self-Service Cloud was built on top of vCloud Director technology to deliver the complete power and functionality of VMware's leading solution through Proximity, Navisite's streamlined client interface. With secure data centers on the east and west coast of the U.S., as well as in the U.K., it is easy to support disaster recovery best practices by replicating workloads to an enterprise-grade, Navisite remote site hundreds of miles from your primary location.

Navisite Self-Service Cloud offers elastic scaling of cloud resources, including servers, storage, networks, bandwidth and more—all delivered with a 99.999% availability Service Level Agreement (SLA). You benefit from predictable, usage-based billing tied directly to the cloud resources you require, as well as maximum compatibility with our complete portfolio of cloud and professional services to better meet complex, evolving IT needs.

### Proximity: Increasing Transparency and Control

Built to align with the ITIL service management best practices framework, Proximity empowers you to make the most of your Navisite environments by ensuring details about the status, performance and usage of your cloud assets are always available. Proactive, defensive alerts also help identify potential issues with devices and applications before they become problems.

### Customer Spotlight

"Navisite handles everything at the back of the house that our team doesn't want to worry about. They deliver the security and comfort we need to be able to focus on projects that are critical to business growth."

- Patrick O'Sullivan, Head of IT  
Silicon Valley Community  
Foundation

### About Navisite

Navisite, LLC, a part of Spectrum Enterprise, is a leading international provider of managed cloud services, including managed multi-cloud Infrastructure as a Service (IaaS), Managed Office 365 and Managed Applications. Navisite provides a full suite of dependable and scalable managed services, enabling enterprises to extend their data centers with hybrid, private and multiple public clouds. Enterprises can outsource IT infrastructure to Navisite to maximize the agility and value of their IT investments. With more than 1449 certifications held by Navisite employees, we deliver customized solutions through an international footprint of state-of-the-art data centers.

### Contact Navisite

For more information about Navisite services, please visit [navisite.com](http://navisite.com) or [navisite.co.uk](http://navisite.co.uk).