

SOLUTION BRIEF

# NAVICLOUD® CLOUD SERVICES FOR HEALTHCARE PROVIDERS



## Reliable IaaS for the Healthcare Industry

NaviCloud® Cloud Services, the Navisite® Infrastructure-as-a-Service (IaaS) solution, can help enable healthcare organizations to increase agility, expedite the development and delivery of new services and mitigate total cost of ownership (TCO).

The solution's resource-based billing model works to ensure organizations pay only for the resources they use, such as virtualized servers, storage, memory and bandwidth.

Rising healthcare costs, increasing patient expectations and evolving regulations, such as HIPAA, are all driving healthcare organizations to improve quality of care and patient privacy, while keeping spending in check. Legacy IT infrastructures in particular can prevent organizations from adapting to these pressures quickly and efficiently—especially in the face of shrinking IT budgets.

Industry consolidation has left many healthcare organizations struggling to use a patchwork of isolated data centers and redundant vendor solutions. Managing geographically and technologically disjointed systems can be challenging even for veteran IT employees. On top of this concern, increasing data storage demands are straining many healthcare organizations' in-house storage capacities.

### Addressing Vulnerabilities in Legacy Infrastructure

Healthcare organizations commonly rely on outdated infrastructure to secure electronic personal health information (ePHI) and to

support HIPAA compliance. Recent security breaches have revealed that, in many cases, these systems cannot protect against modern attacks\*.

While introducing new employee training programs can help, these efforts may inadvertently hide the root of the problem. Maintaining and securing in-house data centers is a fulltime responsibility, which can easily be neglected in the face of conflicting business priorities.

### A Flexible, Pay-as-you-Go Approach to IT Infrastructure

NaviCloud Cloud Services, Navisite's Infrastructure-as-a-Service (IaaS) solution, enables healthcare organizations to provision scalable, usage-billed virtualized servers, storage, memory and bandwidth. The solution is available through a self-service portal, or administered by Navisite's experts.

With this solution, individual departments have the freedom to leverage virtual resources as needed, while IT maintains high-level oversight

and control. This functionality can make implementing new software simpler and more orderly. A department can rapidly provision a copy of a production environment to allow a vendor to test and deploy new software without the risk of impacting production, for example.

- Key Service Benefits
- Mitigated up-front capital expenditure
- Enhanced operational efficiency and agility
- Robust physical and virtual security
- Guaranteed service levels

### A Closer Look at Virtual Private Clouds

NaviCloud Cloud Services can also be implemented as virtual private cloud services. Virtual private clouds can allow a healthcare organization to have a physically distinct, dedicated computing environment within one of Navisite's secure, enterprise-class data centers.

\* Data published in *Information Week: Healthcare*, "Healthcare Security In 2015: 9 Hotspots," by Alison Diana, 12/10/14: <http://ubm.io/137KsQY>.

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### Business Associate Agreements (BAAs)

Navisite understands that when technology providers have access to personal healthcare information (PHI), they too must meet HIPAA requirements. Navisite can work with organizations, case-by-case, to develop and sign a HIPAA Business Associate Agreement.

### Enabling Resource Scalability

For many healthcare organizations, data storage demands are ever-increasing. With NaviCloud Cloud Services, organizations can scale their virtual storage capacity quickly and efficiently to keep pace with data growth, paying only for what they need, as they need it.

This same scalability helps to eliminate the need to predict compute capacity. Rather than potentially wasting IT dollars on underutilized infrastructure, or risking service delays and outages, organizations can match variable compute demand efficiently.

### Migrating Legacy Applications

NaviCloud Self-Service Cloud clients can elect to have one or more Virtual Data Center (vDC). Each vDC contains Virtual Applications (vApps), which contain virtual machines (VMs) and networks. This construct helps clients:

- Migrate apps to the Cloud one at a time, eliminating pressure to migrate entire data centers at once.
- Free up space in private clouds for sensitive workloads by migrating VMs to Navisite's public cloud.
- Realize the benefits of a hybrid physical/virtual infrastructure.

### Simple VMware Replication

For healthcare organizations leveraging a VMware environment, having a backup location for VMs is a vital part of a Business Continuity and Disaster Recovery (BCDR) strategy. However, the costs of a secondary site, which will hopefully never need to be used, can be difficult to finance.

Via an optional, add-on service, NaviCloud Self-Service Cloud clients can replicate VMs from one location to another through a self-service interface. Navisite's experts can also work with Managed Cloud clients via an optional, add-on service to facilitate VM replication between cloud nodes.

### Cloud Onboarding and Migration

To better enable clients to migrate their legacy environments to NaviCloud Self-Service Cloud with ease, Navisite offers multiple cloud onboarding resources and services, ranging from Self-Service Onboarding to fully Managed Cloud Migration.

### Guaranteed Service Levels

NaviCloud Cloud Services clients receive 24x7 monitoring and support along with robust service level guarantees for performance, availability, and response and resolution.

Considering NaviCloud Cloud Services span multiple, enterprise-class data centers, a base level of disaster recovery preparedness is built-in to all solutions. Many precautionary security measures commonly available in traditional hosting environments are also available, such as firewalls and role-based access controls.

### About Navisite

Navisite, Inc., a part of Spectrum Enterprise, is a leading international provider of enterprise-class, cloud-enabled hosting, managed applications and services. Navisite provides a full suite of reliable and scalable managed services, including Application, Cloud Desktop, Cloud Infrastructure and Hosting services for organizations looking to outsource IT infrastructures to help lower their capital and operational costs. Enterprise customers depend on Navisite for customized solutions, delivered through an international footprint of state-of-the-art data centers. For more information about Navisite's services, please visit [navisite.com](http://navisite.com) or [navisite.co.uk](http://navisite.co.uk).

### Contact Navisite

For more on the full range of Navisite services, please visit [navisite.com](http://navisite.com) or email us at [webinfo@navisite.com](mailto:webinfo@navisite.com).