

# TAKING ENTERPRISE CLOUD TO THE NEXT LEVEL

2nd Generation InstantOn™ is the first cloud solution truly aimed at meeting the needs of enterprise computing for public clouds and private virtual datacenters, while delivering managed, flexible and scalable cloud solutions.

Built on the Citrix XenServer platform, the powerful combination of Carpathia's managed hosting services and Citrix virtualization technology delivers an enterprise cloud solution designed for customers seeking to deploy production-ready applications in the cloud. Enterprises using Carpathia InstantOn can easily deploy custom compute and storage solutions, blending dedicated and cloud resources in a single solution.

The 2nd Generation InstantOn is not your typical cloud playground. This enhanced technology is able to provide all the benefits of cloud while meeting the stringent SLA and underlying performance and reporting requirements of government standards like FISMA and DIACAP, financial standards like PCI and healthcare standards like HIPAA, as well as those for private organizations.

## CUTTING THROUGH THE NOISE AND CONFUSION

The cloud computing marketplace is becoming more and more crowded with service providers delivering everything from basic virtualization to public compute and storage services. While virtualization and cloud computing promise to simplify computing environments, our experience is exactly the opposite. We believe that to unlock the true value of cloud computing, one must look beyond the hype and focus on real world solutions to meet the needs of enterprises and cut through the noise and confusion. We've addressed three primary areas that set us apart from the competition – platform, dedicated and burstable resources, and management.

### 1. Platform.

Carpathia InstantOn is built on Citrix XenServer technology that enables:

- ♦ Enterprise class hypervisor, with the support of Citrix Systems
- ♦ Support for commercial grade virtual appliances support networking, storage and applications
- ♦ Persistent storage
- ♦ Replication between cloud cells/sites



“Because use of SugarSync varies from day-to-day, we needed to find a solution that would cost-effectively scale to meet the peaks of our customers’ usage while also providing a managed solution. Carpathia’s managed hosting portfolio and reputation in the industry, paired with the power of Citrix NetScaler MPX and its Pay-as-You-grow- pricing model, was the best option to accomplish our goals in the most affordable way possible.”

**Domingo Mihoviloic, Ph.D**  
VP of engineering, SugarSync

## 2. Dedicated & Burstable Resources.

Carpathia's enterprise cloud solution can be used in conjunction with Carpathia AlwaysOn™, a traditional managed dedicated hosting solution, to deliver the ultimate in flexibility. Used together, customers can take advantage of Carpathia Cloud Orchestration™ - a hybrid compute model that provides the security, availability and reliability of a traditional hosted environment paired with instant access to cloud computing and storage.

## 3. Management.

Carpathia built InstantOn with the same approach to management as it employs for its complex managed hosting services:

- ◆ Each virtual machine template is configured to interface with Carpathia monitoring systems. Customers can select if a virtual machine should be monitored 24/7.
- ◆ Carpathia will work with customers to deploy patches for virtual machines needed
- ◆ Cloud experts are available 24/7 to support onboarding, deployment and day-to-day operations.

# CLOUD SOLUTIONS FOR PRODUCTION-READY APPLICATIONS

Built to meet the needs of small, mid-size, and large organizations with production-ready applications, InstantOn enterprise cloud has custom developed solutions that can provide scalable, compliant solutions. Carpathia can help you evaluate which of the following services are best-suited to meet the needs of your organization:

### ◆ Virtual Compute

On-demand computing services for both simple virtual machines and complex topologies including connections to existing dedicated infrastructure in a secure manner.

### ◆ Virtual Storage

Object and block storage solutions designed to support enterprise compute requirements. Storage can be shared between multiple virtual machines and dedicated servers with multiple copies of each object.

### ◆ Compliant Cloud

Designed to meet government IT standards including FISMA and DIACAP. Enhancements include RSA authentication, SSL VPN for management access and inter/intra virtual machine firewalling.

### ◆ Private Cloud or Private Virtual Data Centers

Virtual Compute and Storage solutions deployed in a private or reserved deployment. Combines the advantages of cloud technology such as dynamic scaling and instant provisioning and a fully managed environment.

### ◆ Virtual Networking

Networking solutions to support virtual compute and storage allowing InstantOn to be deployed in enterprise configurations, taking advantage of solutions like Citrix® Netscaler MPX (Pay-As-You-Grow) & VPX; elastic LB/ADC scalability (enables cost-effective scale and growth from 5 to 10 to 15 Gbps); IPSEC VPN, private networking (vlan including hardware support) and flex-tenancy architecture.

### ◆ Virtual Disaster Recovery

Replicated data ensures you have a current offsite copy of mission critical information at a fraction of the cost of traditional disaster recovery solutions. Pay for cloud resources on-demand during DR testing and DR events.

### ◆ Virtual Development & Test

Virtual Compute and Storage solutions designed specifically for test labs for easy deployment and promotion into production at a dramatically lower price-point than deploying dedicated development and test lab environments.

Carpathia Hosting is a leading provider of managed hosting services, delivering secure, reliable and compliant IT infrastructure and management for some of the world's most demanding enterprises and federal agencies. Founded in 2003, Carpathia is a growing, profitable business run by a seasoned management team with deep experience in delivering enterprise hosting solutions including colocation, managed services and cloud computing. Carpathia's suite of services is designed for organizations seeking scalable, secure, robust and enterprise-grade hosting solutions that can be quickly provisioned or tailored to meet unique requirements. Backed by its E3 Promise, Carpathia consistently delivers an experience that exceeds customers' expectations. Carpathia qualifies as a small business. Contact Carpathia at 1.888.200.9494, or visit [www.carpathia.com](http://www.carpathia.com) for more information. References to other products are made to show compatibility. All companies and/or products mentioned in this document are registered or trademarked by their respective organizations. The inclusion of third party products does not infer endorsement by these parties, unless otherwise noted.