



CARPATHIA FEDERAL CLOUD SOLUTIONS

With the federal government currently under pressure to consolidate a large number of data center environments and reduce costs while still meeting federal compliance requirements, moving to the cloud can offer federal agencies a powerful means to achieve these goals, deliver more timely services and significantly reduce burdens on internal IT resources. Cloud computing can also increase server utilization and provide an IT solution that helps convert procurement of assets to an operations and maintenance (O&M) solution, dynamically scale resources up or down and make the application lifecycle management process more efficient.

Carpathia Hosting partners with government agencies and systems integrators to design, build and run IT infrastructure. Our portfolio covers the full spectrum of data center services including colocation, managed hosting and cloud computing. Our unique approach to solution engineering builds on over a decade of operating the most demanding government solutions for the most critical of agencies missions. Carpathia's compliance expertise supports systems spanning Civilian, DoD, healthcare and financial services organizations, ensuring the solution achieves accreditation.

Carpathia's Federal Cloud Solution platform has been architected and developed specifically to support federal agency compliance requirements. The draft FedRAMP standard provides the basis of the Carpathia Federal Cloud Solution compliance controls that meet today's FISMA and DIACAP certifications for moderate impacting systems, with a focus on achieving ratified FedRAMP accreditation in the future. Our approach provides agencies and integrators developing or migrating applications to the cloud the confidence to know they can meet their compliance requirements. Carpathia's Federal Cloud Solution can be purchased through the General Services Administration (GSA) Infrastructure as a Service (IaaS) Blanket Purchase Agreement (BPA) #QTA010MAB0016 or through several other government contracting vehicles.

Carpathia's Federal Cloud Solution platform provides a unique set of resources, allowing repeatable, compliant and secure on-demand delivery of infrastructure services to the government user community. Carpathia customers can self-provision and manage compute, storage and network resources via Carpathia's E3™ web portal, allowing quick and easy access for managing cloud resources.

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COMPLIANT, SECURE AND ON-DEMAND CLOUD SOLUTIONS

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Platform Elements

Carpathia has partnered with Cisco Systems to bring the innovations from the Unified Computing System (UCS) family of servers into the Federal Cloud Solution platform. This not only delivers the latest in technology, but also energy management that provides massive carbon reduction when consolidating from a legacy data center to the cloud.

User Access

To support FedRAMP user access requirements, the Federal Cloud Solution utilizes a multi-factor authentication system. Once authenticated, users can be assigned fine grain access, ranging from read-only to full provision capabilities. This allows functional segregation between development, test and operations personnel.

Self-Service Management

Users provision and manage their virtual environments via the Carpathia E3™ web portal, allowing instant access to resources. Within the E3 portal, you can create application groups, provision virtual machines, manage template/golden images lifecycle, access a virtual console and manage cloud networking.

Complex Networking

Commercial cloud platforms typically support a simple, flat address space and security model. However, this falls short of requirements for agency IT systems. Carpathia addresses this by supporting virtual networking within the cloud, allowing for n-tier applications to be deployed with full network isolation.

Metered Service

The Carpathia Federal Cloud Solution adopted a telco-style model for billing and mediation. This allows for fine grain "call records" to be collected, rated and invoicing to be initiated. This model works especially well for systems integrator partners where an XML feed can be provided, allowing partners to add additional business intelligence while providing more visibility to agency customers of IT resources and spend.

Backups

With a single click, any virtual machines in the cloud can be backed up in snapshot form. These snapshots can then be provisioned in minutes to meet the most aggressive recovery objectives.

Customer Support

At the core of our DNA, Carpathia provides 24/7 incident management services for our cloud platform. This can be extended to also include the guest virtual machines, allowing the agency/systems integrator to focus on the application with the confidence that Carpathia is monitoring the health, performance and availability of the virtual machines.

Reporting

Full transparency is provided to users of the Federal Cloud Solution platform via a rich reporting interface. The key system statistics include provisioned resources, month-to-date usage, daily metrics graphing and administrative action audit trail. This data can be exported to common formats for easy processing in end systems.

CARPATHIA'S COMPLIANT BUSINESS MODEL AND KEY DIFFERENTIATOR

Carpathia is one of the best-positioned companies to serve the range of compliant cloud requirements. Along with a proven track record of delivering compliant solutions to enterprises, we also have an Authority to Operate (ATO) for over 25 federal agencies – including HHS, Department of Defense, DHS, Department of Treasury, US Army, US Navy, Department of Labor and HUD to name a few. In many cases, our compliant solutions also support applications encouraging inter-agency communication and collaboration. We provide services to the intelligence community in a variety of forms, ranging from SCIF hosting to private cloud solutions.

Carpathia Hosting is a leading provider of managed hosting services, providing 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 was named to the Inc. Magazine 500I5000 list in 2011 as one of America's fastest-growing companies. Contact Carpathia at 1.888.200.9494, or visit Carpathia.com for more information.