



Key Points

- Drives increasing levels of cost savings as computing facilities become fully virtualized.
- Offers opportunities to leverage innovative capacity services and Everything-as-a-Service (EaaS) procurement models to minimize upfront capital.
- Enables the benefits of the private cloud to be implemented through enterprise cloud (eCloud) solutions behind your firewall for enhanced security/control.
- Focuses on cloud brokering and integration.

Customer Challenges

We are surrounded by clouds—private, public, enterprise, hybrid clouds; the list goes on and on. While espousing their ability to save money, traditional and cloud-hosting vendors say they have implemented sufficient security controls, assuring customers they are safe enough for their needs. However, cloud-based solutions need to be complemented with credentialed staff and rigorous operational security frameworks tested in the real world. The solutions need to be enhanced to gracefully recover from unforeseen weather-based, power-based, and related environmental challenges. The solutions need to be aligned with your mission needs.

Customer Benefits

Our data center modernization efforts have created an opportunity for us to accelerate the pace our customers can securely adopt cloud-based solutions and offerings. As we have done for the Defense Information Systems Agency (DISA), Fort Bragg, and the Intelligence Community, we focus our data center modernization efforts on improving operational efficiencies while taking advantage of economies of scale with information technology (IT) investments. As a result, we continue to invest in our own cloud-based service offerings in the medical fraud-detection marketplace while simultaneously partnering with leading Federally focused and appropriately certified cloud-hosting providers to ensure we can deliver the right cloud offerings based on our customers' needs and desires.

NCI Solutions

For the past decade, NCI has been delivering enterprise-class, bare-metal virtualization solutions across the Federal Government. As we move forward, we are focused on the following:

- Identifying, qualifying, and partnering with leading Infrastructure-as-a-Service (IaaS), Platform-as-a-Service (PaaS), and Software-as-a-Service (SaaS) providers like Amazon Web Services, Microsoft, Google, ServiceNow, etc.
- Providing attractive methods for procuring capacity services or EaaS requirements that support today's fiscally constrained environment.
- Leveraging leading certifications and assessments, such as ISO 2000-1, ITIL, and CMMI.

Cloud Computing and IT Infrastructure Optimization

Following the pattern established in the “server wars” of the last decade, the wide range of commercial cloud vendors will eventually be consolidated to those the Government marketplace naturally selects. With NCI’s Government-focused and cloud-agnostic approach, we enable our customers to navigate this period of change and adopt the optimal cloud strategy for them—whether it is based on a public, private, hybrid, or enterprise implementation model. Oftentimes, it may be some combination thereof—a combination that offers the best set of security, governance, and portability features necessary for the Government.

DoD cloud-computing goal: Implement cloud computing as the means to deliver the most innovative, efficient, and secure information and IT services in support of the Department’s mission—anywhere, anytime, and on any authorized device.

Data Center Consolidation

As a data center implementer/consolidator, we are adept at moving, modernizing, and/or operating highly secure data center environments for U.S. Intelligence, Military, and Healthcare Communities, where lives depend on data centers’ reliability and availability. As we consolidate the data center compute, network, and storage infrastructure components, we develop detailed asset management databases (part of an ITIL configuration management system) that can drive web-based geospatial rendering and inventory control using novel visualization tools.

Cloud Computing

As a cloud broker/integrator, we are trusted to help our clients navigate the range of cloud, EaaS, capacity services, and virtualization options available in the commercial and Government marketplaces. Key considerations are cybersecurity, information portability, information governance/stewardship, service level management, and capital planning investment control. We ensure we follow overarching mandates like the Federal Government’s “Cloud First” policy and the Department of Defense’s (DoD) cloud-computing strategy memorandum.

NCI Facts

- We bring strategic partnerships with Federally focused cloud infrastructure providers that understand your security constraints and mission needs.
- We invest in our people, their skills, and repeatable processes.
- We practice what we preach—NCI maintains certifications and assessments like ISO 2000-1, ITIL, and CMMI.
- We use our integrated, tailorable engineering and operations methodology for governing how we provide data center consolidation and cloud-computing services.