



**NATIONAL INFORMATION
TECHNOLOGY CENTER**

**U.S. Department of Agriculture
Office of the Chief Information Officer**

Data Center Services

The NITC Enterprise Solutions are developed utilizing government and industry standards and best practices. Our Level IV data center facilities utilize state-of-the-art, enterprise class infrastructure technologies to deliver optimal yet cost-effective solutions. NITC has a diverse and dedicated staff of Information Technology professionals who are proficient in systems architecture and integration, infrastructure management and operation, and disaster recovery. They work with customers to deliver secure and highly available solutions. The NITC secure IT infrastructure consists of virtualized mainframe and midrange platforms as well as virtualized network and storage infrastructure. The systems and applications managed by NITC are national in scope, mission critical, and essential for the operations of the United States government.

- **Infrastructure as a Service (IaaS):** The NITC Infrastructure as a Service provides standard virtualized operating platforms to securely host customer applications. NITC uses server virtualization technologies, strict standards, and economies of scale to enable rapid delivery of cost-effective, fully managed operating platforms with expanded inheritable security controls. NITC also offers three tiers of IaaS storage that are available to customers on demand.
- **Platform as a Service (PaaS):** The NITC Platform as a Service builds on the IaaS to provide customers with environments where they can develop, test and deploy customer-created or acquired applications. Currently, NITC offers various PaaS services including database, web portal, web server etc. The PaaS services include software license management and essential professional services for the products included in the service.
- **Managed Hosting:** For extremely large or unique applications that require dedicated hardware, NITC will manage customer provided servers up through the operating system (OS) in a secure operating environment including systems installation, engineering, administration, and support.
- **Professional Services:** NITC can provide the professional services required for integrating and administering enterprise-class business applications and databases, project management, and planning for technology advancements and disaster recovery.

Why NITC?

Experience

NITC has provided services as a federated data center since 1973 and has performed data center migrations since the 1980s. NITC cross-services 14 federal departments/bureaus.

Innovation

The NITC-managed Enterprise Data Center is a federally owned Cloud services provider; offering agencies enterprise class infrastructure built from the ground up with market leading technologies. NITC continues to innovate with the introduction of new Cloud services and utilize "green" industry best practices as much as possible to improve energy efficiency and reduce greenhouse gas emissions.

Customer Service

NITC offers 24x7 monitoring and expert technical support to ensure customers can focus on their core business without worrying about IT infrastructure.

CONTACT US

NITCServicedesk@ocio.usda.gov
888-USE-NITC or 816-926-6660



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NITC Cloud Services

NITC offers a broad range of Cloud services using virtualized, multi-tenant operating environments to offer several Platform as a Service (PaaS) and Infrastructure as a Service (IaaS) services. NITC Cloud services offers:

- Rapid elasticity
- Scalable, pay-as-you-go pricing
- Monthly billing and predictable cost
- Periodic hardware refresh
- 99.99% availability
- Independent audits for OIG, A-123 and inheritable controls

Infrastructure as a Service (IaaS): NITC IaaS enables customers to select from secure, standardized Operating System images that are configured to meet actual processing requirements. Each IaaS offering is fully managed and maintained by NITC. Control over specific aspects of a customer's environment can be provided for development and testing of applications. NITC IaaS offerings include:

Available Now	Planned for FY2012
<ul style="list-style-type: none"> • Windows™ • Linux™ • AIX™ • Network • Tiered Storage • Web Accelerator 	<ul style="list-style-type: none"> • Solaris™

Platform as a Service (PaaS): NITC PaaS offerings build upon IaaS offerings to provide customers with robust, fully managed platform solutions that include respective software licensing. By utilizing cost-effective platform solutions that are configured and licensed to meet actual application processing requirements, customers need only focus on the development and deployment of their business applications. NITC PaaS offerings include:

Available Now	Planned for FY2012
<ul style="list-style-type: none"> • WebSphere™ • WebSphere Portal™ • JBoss™ • Google™ Web Search • SQL Server™ • Oracle™ • MySQL™ • Web Content Management • Document Management • LAMP 	<ul style="list-style-type: none"> • DB2™ • Cognos™ BI • ESRI™ GIS

Why NITC Cloud Services?

Rapid Provisioning

The NITC Cloud services offer virtualized instances of software, servers and storage that can be deployed for the customers within a very short period of time. In addition, virtualized environment supports rapid elasticity.

Predictable Cost Model

NITC Cloud service helps customers eliminate capital expenditure and improve operating efficiencies by using a multitenant hosting environment. Various standard and premium options and templates are offered to meet unique customer demand.

Customer Service

NITC offers dedicated account teams and 24x7 monitoring and expert technical support to ensure customers can focus on their core business without worrying about IT infrastructure.

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