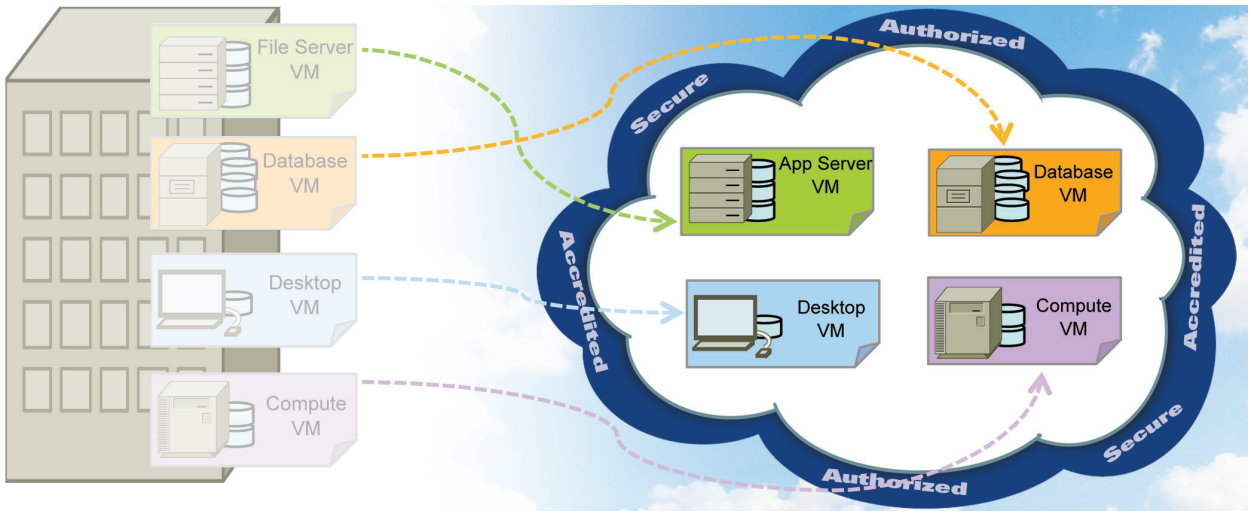
General Dynamics IT Cloud Computing

GSA Partnership Enables Efficient, Secure, Dedicated Federal Cloud



STRONG IT™

General Dynamics IT experience in delivering and supporting mission critical IT systems enables us to be the partner that GSA and the federal government can rely on. Through the flexibility of our cloud solution we can allow the government to procure infrastructure on demand through the GSA defined catalog available through our self-service portal, leverage predefined or custom templates to enable platform services. Through the General Dynamics IT cloud customers can quickly and on-demand provision a multitude of services ranging from disaster recovery services, research and development, application development and testing lifecycle support, inter-agency collaboration and application hosting.

Cloud Computing has been the buzz of Information Technology (IT) for the past several years. Terms such as reduced cost, increased Return On Investment (ROI), more flexible solution and scalability have all been used to describe this new way of delivering IT services. The promise of Cloud has the potential to revolutionize the way IT services are delivered. Many of today's applications and infrastructure solutions can take advantage of the Cloud and realize the value it can provide.

Most recently, the Federal CIO released a 25-point Federal IT reformation plan which includes a shift to a "Cloud-First" policy. This will require agencies to default to Cloud-based solutions for new IT deployment when a reliable and cost-effective Cloud offering exists.

GSA's Infrastructure as a Service

On October 19, 2010, GSA announced the award of its Infrastructure as a Service contract. This initiative facilitates access for government agencies to Cloud computing resources and enables ready, cost-effective and timely connection to a wide array of Cloud Computing services. By accessing an available pool of internet-based resources that includes networks, servers and applications, government agencies can use the General Dynamics IT GSA Infrastructure as a Service contract to leverage existing resources and reduce the costs and environmental impact associated with building new computing infrastructures.

The General Dynamics IT Difference

When leveraging Cloud Computing, it's important to consider who will perform the work required to maintain stability, security, redundancy and operational support for your systems and applications. General Dynamics IT goes beyond providing the computing or application Cloud solutions. We focus on delivering the full spectrum of services for a true, one-stop shop for design, standup, migration, development,

integration and ongoing operations and maintenance to provide the service levels your organization demands to keep your mission running smoothly.

Why General Dynamics IT Cloud?

General Dynamics IT's Cloud Computing solution was developed based on the needs of users and those of our primary customer – the Federal Government. Many of the features we provide are unique to our solution and enable our customers' migration to our Cloud without sacrificing security or introducing additional risk. Some of these features include:

Self Service Provisioning: Users provision and manage their virtual environment via the General Dynamics IT self-service web portal, allowing instant access to provision and manage resources. Users with appropriate privileges can view the environment, stop/start virtual machines, provision virtual machines, create manage run status, create VLANs and templates, perform backups, and gain console access. Reporting on key system statistics such as provisioned resources, month-to-date usage, daily metrics graphing, and administrative action audit trails are all available.

Complex Network Architectures: General Dynamics IT's Cloud Computing solution supports the deployment of complex solutions in a Community Cloud environment. Combining the ability for a user to assign network access types of public, private, or none to a virtual machine and the ability to define virtual private networks (VLANs) allows users to create multi-zoned architectures isolating components, functionality and data providing an improved security posture.

Customer Support: General Dynamics IT provides 24x365 live incident management services and as part of the onboarding process assigns an implementation manager who will train users on how to manage their environment via the GDIT self-service web portal.

Summary

General Dynamics IT has a long history of supporting the Federal Government providing the full spectrum of services from design and engineering, operations and maintenance to managed services. In addition General Dynamics is a leader in the field of Cyber Security supporting key Cyber Security initiatives, security assessments and on-going cyber monitoring through our various security operations centers. Our range of core capabilities and experience provides us a unique perspective to support the Government through this IT transformation as we have done successfully many times in the past.

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About General Dynamics Information Technology

As a trusted systems integrator for more than 50 years, General Dynamics Information Technology provides information technology (IT), systems engineering, professional services and simulation and training to customers in the defense, federal civilian government, health, homeland security, intelligence, state and local government and commercial sectors. With approximately 24,000 professionals worldwide, the company delivers IT enterprise solutions, manages large-scale, mission-critical programs and provides mission support services. General Dynamics Information Technology is one of four business units of the General Dynamics Information Systems and Technology business segment. Headquartered in Fairfax, Va., General Dynamics Information Technology has major offices worldwide.
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