NETGOINC

NETGO

CORECOMPETENCIES

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Technology Infrastructure Design - IT Modernization is continuously retaining, extending, and modernizing legacy computer assets. In addition to saving money, modernizing government systems confront the growing cybersecurity threats and offer high-potential technologies i.e. next-generation automation and provisioning—in the public sector. NetGO specializes in the following:

Virtualization - With an optimized and virtualized infrastructure, businesses can achieve new levels of flexibility, efficiency, and accuracy. NetGO helps organIzations develop a robust, virtualized, and automated infrastructure through desktop virtualization, server virtualization, network virtualization, and storage virtualization technologies.

Software Defined Data Center - With the Next-Generation Data Center comes reduced costs, system downtime, fewer resource consumption, increased IT workload speed, efficiency, agility and performance. Manual, predicable, and repeatable tasks are replaced by automation. With traditional hardware now converted to software, the data center footprint is also decreased. NetGO professionals assess and establish vendor-agnostic solutions that best fit the business' mission.

Cloud Computing - Computing based on the internet, where applications are accessed and managed remotely on a cloud provider's infrastructure. Some of the many benefits include flexibility, scalability, efficiency, and disaster recovery. NetGO Cloud Architects cater to the business and technical benefits of switching to a cloud model. Is there value in switching from CapEx to OpEx? How will your data in the cloud be secured to the highest encryption standards? NetGO will help solve all the advantages and disadvantages of a cloud design.

DUNS
080518192

CAGE CODE
7UE

NAICS
541511, 541512, 541513, 541519, 541330

SIC
7371, 7373, 7376, 7379, 8711

SUPPLEMENTAL SECURITYCOMPETENCIES

Application Security - Web-based applications are continually vulnerable to cyber threats. NetGO Next-Gen security practices include application security tools such as web and application-based firewalls, intrusion detection and prevention, and other security devices to prevent cyber-attacks.

Information Security - Confidentiality, Integrity, and Availability are paramount in securing information. NetGO specializes in the data transport layer, employing encryption technologies, allowing for secure communication of assets.

Information Assurance - Every organization identifies its information assets and the systems and applications that store, compute, and network them. Ensuring security for private or personally identifiable information, NetGO analyzes the risk management of its clients. NetGO's risk assessment guides an organization on how to devote resources and controls to mitigate risk.

Zero Trust Security - This holistic network security model prevents successful data breaches by eliminating the theory of trust in an organization's network architecture. No one is trusted by default from inside or outside the network, and authentication is required to gain access to resources. This security architecture becomes especially important when company data is spread across multiple locations within a single cloud provider or multiple cloud vendors. NetGO Firewall experts endorse next-generation firewalling through micro-segmentation of perimeters, and border security within the company network.

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PASTPERFORMANCES

U.S. Department of State – Bureau of Consular Affairs

U.S. Department of Health and Human Services – Food and Drug Administration

U.S. Department of Labor – Mine Safety and Health Administration

USAID – Office of U.S. Foreign Disaster Assistance

COMPANYDATA

✔ Founded in 2015 in the State of Virginia

✔ Headquartered in Northern Virginia

✔ Pursuing GSA IT Schedule 70 Program

✔ Pursuing Women-Owned Small Business Program (WOSB)

✔ Pursuing 8(a) Small Business Program

✔ Full-Time Mid-Level to Senior professionals diligently applying industry best practices such as FISMA, NIST, CMMI, PMBOK and PMP.

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DIFFERENTIATORS

Core Competency in **Network Security**, with Subject Matter Expertise in Next-Generation Firewalls embedded with Multiple Security features, Integration, and Automation capabilities.

Applying **Security Best-Pracices** for diverse stakeholders, ranging from CIOs, Operations Managers, Application and Database Developers, and Infrastructure Experts.

Central Workforce consists of accomplished Subject Matter Experts with **20+ years** of Leadership and Best Practices experience.

Valued Partner in providing cost-effective, **high quality solutions and services**, regardless of the size of your organization.

Performance driven focus to work cohesively toward delivering unique outcomes that go beyond their requirements.

Signature "Virtual Bench", as we ensure to provide a resource on an as need basis **within 48 hours** of a client request.

DEPARTMENT OF STATE – BUREAU OF CONSULAR AFFAIRS

The Bureau of Consular Affairs' (CA) mission within the U.S. Department of State is to protect the millions of lives and interests of U.S. citizens overseas. Services are provided to Americans through American embassies and consulates all over the world. Citizens are served during their most important moments - births, deaths, disasters, arrests, and medical emergencies. CA is also responsible for the welfare and protection of U.S. citizens abroad, issuing passports and other documentation to citizens and nationals, and for protecting U.S borders and facilitating legitimate travel to the United States.

To assist CA in meeting its goal, NetGO has been spearheading the network modernization, implementation, and management of CA's entire enterprise network infrastructure. NetGO leads the network operations, engineering, security, and innovation of the network and firewall infrastructures of CA's primary and backup datacenters.

Challenged by three aging data centers consisting of legacy equipment, IT was the primary factor Consular Affairs was falling behind in its core mission. IT faced several obstacles that required immediate resolution:

- The Legacy Equipment was Not Scalable.
- The Infrastructure was Complex, Expensive, and Stagnant.
- Poorly Planned LAN/WAN Architecture led to Operational Outages.
- Network Security Concerns as a result of Security Breach.
- Long Delays for Application Time to Market.

Recognizing that the data centers house mission critical applications accessed by U.S. citizens and Visa seekers all over the world, NetGO implemented best-practice solutions:

- Zero Trust Architecture spanning across all Department of State bureaus, through Next-Generation Firewalling, Micro-Segmentation of all perimeters, and Border Security across thousands of Department of State networks.
- High-Availability LAN/WAN Design of Primary and Secondary circuits configured with IPsec tunnels for Secure Data Transport.
- Local and Global Traffic Managers placed across the Zero Trust Network, locally within the Data Center and across sites, allowing for Increased Application Performance, Availability, and Flexibility.
- Next-Generation Firewall placement across Department of State's Zero Trust Network for Enhanced Security, through Deep Packet Inspection at the Application Layer. (**see Figure 1**)
- Highly Encrypted Connectivity from On-Premise to Cloud Hosted Applications that contain IaaS for use by Developers and Testers, and SaaS i.e. Office 365.
- Large Scale Deployment of Converged and Hyperconverged Infrastructures for Workload Optimization, Scalability, and Agility.
- Software-Defined Networking for Centralized Management and Accelerated Service Delivery by way of Virtual Network Provisioning.
- End-To-End Monitoring and Alerting Tools creating Full Application, System and Network Visibility for the customer.

PASTPERFORMANCES

DEPARTMENT OF STATE – BUREAU OF CONSULAR AFFAIRS

The Key Results Include:

- Highly Secure Application Layer Inspection of Data Center Traffic preventing most Cyber-Attacks. (**see Figure 1**)
- Simplified Management and Administration of Systems.
- Rapid Self-Service Delivery, from 3+ Months to 1 Hour.
- Improved System Agility and Ability to Scale Up or Down.
- Improved High Availability of Systems and Applications.
- Full End-to-End Visibility allowing for Faster Root Cause Analysis.
- Automation resulting in System Self-Healing and Minimal Negative Impact to Mission Critical Applications.

As a result of this successful modernization project, NetGO is now pioneering the cloud enablement phase of Department of State's data centers. With a fully optimized next-generation data center built on standardization, virtualization and convergence, NetGO is leading the final stages of a fully hybrid data center by automation and orchestration.

Tools and Technologies:

- Palo Alto Networks – Panorama – Network Security Management
- FORCEPOINT Security Management Center
- VMware NSX-T Data Center
- VMware vSphere
- F5 BIG-IP LTM/GTM
- SolarWinds Network Management Suite
- Zabbix Metric Collection
- AppDynamics Application Performance Management

Figure 1

DEPARTMENT OF HEALTH AND HUMAN SERVICES – FOOD AND DRUG ADMINISTRATION
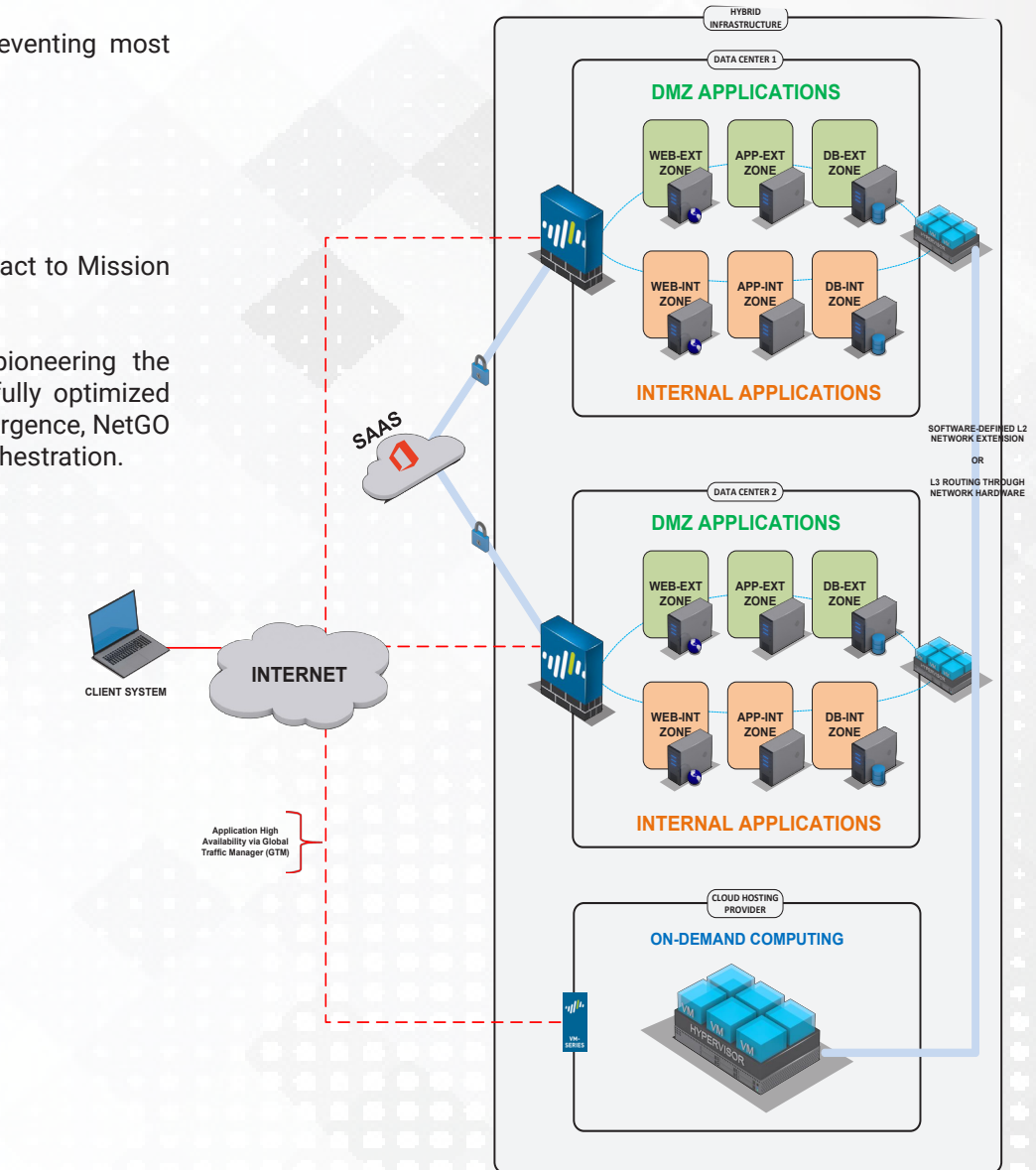
The Food and Drug Administration (FDA) is responsible for protecting the public health by ensuring the safety, efficacy, and security of human and veterinary drugs, biological products, and medical devices; and by ensuring the safety of our nation's food supply, cosmetics, and products that emit radiation.

NetGO has been supporting the FDA CTO office with a focus on achieving the agency's vision for a modernized IT. NetGO provides the FDA CTO with Digital Strategy, Enterprise Architecture, Modernization, IoT, Cloud Computing, DevOps, Mobile Device Management (MDM), Mobile Applications, Data Science, Big Data, Data Analytics, Business Intelligence, and Cyber Security Services. The NetGO Project Team is flexible and agile to adapt to the changing priorities of the CTO office, while spearheading the strategic plan for the entire agency and enterprise architecture framework for FDA.

Over the past year, NetGO has migrated several applications from on-premise to the AWS Cloud, enabling seamless user transition to the new cloud platform. Through education and exceptional support, NetGO has lessened the learning curve in the FDA customer base.

In addition to the cloud migration services, NetGO helped create customized Executive Dashboards on the SolarWinds platform. The FDA CTO, CIO, and OCIO recognize this accomplishment, as the original SolarWinds platform does not offer this custom-built feature.

On all projects in this effort, the NetGO team applied JIRA Software for project planning, tracking and managing major projects. Through this tool, NetGO has created user stories and issues, planned agile sprints and distributed tasks across the team.

Tools and Technologies:

- AWS Cost Management/Compute/Database/IoT/Migration & Transfer/Networking & Content Delivery/Security, Identity & Compliance
- SolarWinds Customized Dashboards API
- ATLASSIAN Jira Software/Confluence
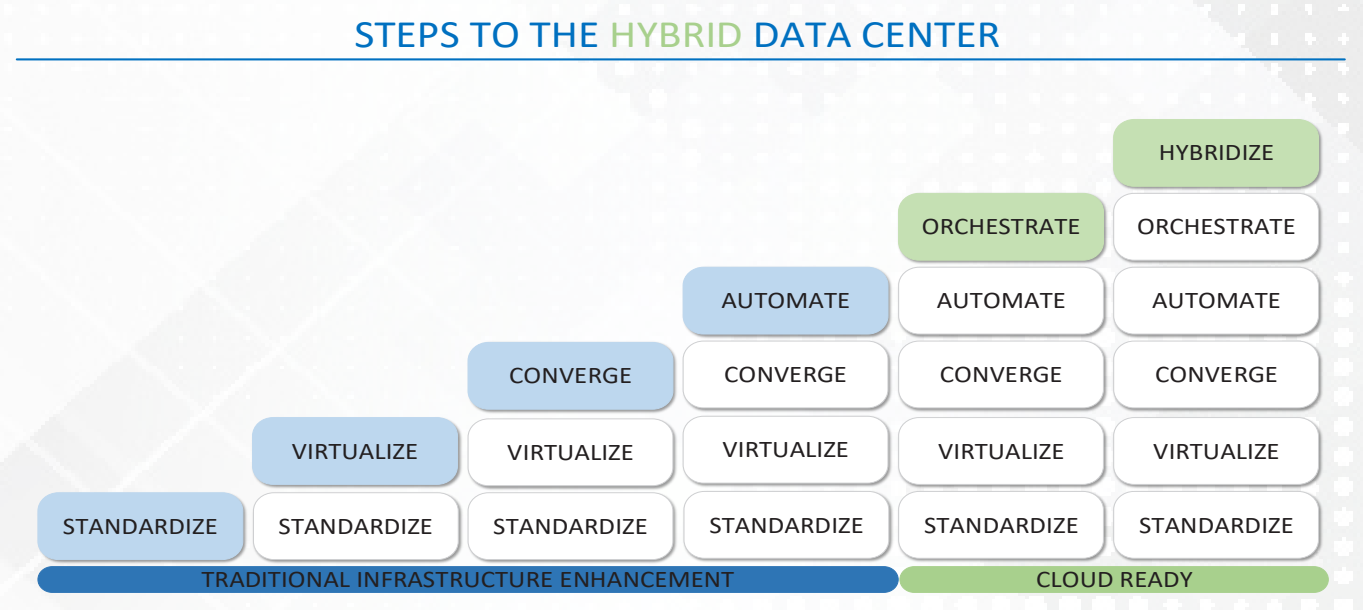
STEPS TO THE HYBRID DATA CENTER

Figure 2