Data center solution for global data hosting provider

Unifying compute, network, management, storage

With over 50 data centers spanning North America, Europe and Asia, a global hosting services provider supports approximately 2,500 business and government organizations. The provider offers managed hosting, colocation services, automated management and provisioning systems and information technology consulting.

The hosting services provider sought a unified computing system that would provide a common platform for their multiple product offerings. They hoped to achieve end-to-end server visibility, management and control in their traditional and virtual data center environments. The requirement included the potential deployment of full turnkey solutions across 26 locations worldwide.

Cisco's UCS and Nexus 5000 Switches

In collaboration with Cisco, GDT developed a detailed low level core UCS network design to serve as the client's phase one deployment. The build included five "small" and five "large" data center UCS pods, each with 2 to 4 chassis (depending on power limitations) and each chassis with 2 to 3 blades, leaving room to add success-based blades as needed. The pods were deployed to four international and six domestic locations that included the UK and Singapore.

Design **IT**. Build **IT**. Deliver **IT**.

INDUSTRY
Service Provider

CORE PRACTICE
Data Center

PROJECT
Phase One: Unified Communication Solution

TECHNOLOGY (each location)
4 Cabinets of Cisco UCS, each with 2-4 chassis
2-3 Blades each chassis
2 Cisco Nexus 5000 Series Switches
Fabric Interface Chips

LOCATIONS
10 Total: 6 US, 4 International

TIME FRAME
12 Weeks

SERVICES
Comprehensive site survey(s)
Custom design
Infrastructure material procurement
Inventory auditing, import presence
Managed cabling
Staging and configuration of equipment
Pre- and post-install engineer testing
Installation of all associated hardware
Engineer training

True and complete turnkey solution

From site survey to handoff, GDT provided a true turnkey solution with professional services that ensured the best possible solution delivered with the least-possible disruption. The services included full project management and customer oversight, procurement of equipment and optics, staging, testing and fine-tuning in GDT's lab facilities, domestic and international site surveys,installation materials and services, remote systems validation and complete "As Built" documentation.

Exceeding client expectations

The client originally estimated project deployment at approximately nine months. GDT exceeded expectations in both international deployment services and delivery time. During planning GDT established an import presence in the multiple international locations at which the products and services would be deployed. GDT then managed the client's import costs, VAT taxes, and customs clearance. By establishing the import presence and by fully staging, testing and fine-tuning the solution in the GDT staging environment the Dallas Customer Service Center, GDT significantly reduced those estimates and delivered a clean deployment with minimal disruption in only 12 weeks' time.

To learn more about GDT's data center offerings, visit us at: www.GDT.com

Why GDT

Founded in 1996, GDT is an award-winning, technology integration partner. GDT specializes in designing, building, and delivering best-of-breed technology solutions for service providers, enterprise networks, data centers, and more.

GDT aligns itself with rising technology stars and industry leaders such as CISCO EMC² VCE vmware. The GDT team of expert architects and engineers hold the highest level of certification and employ the use of state-of-the-art, LEED certified facilities to translate the latest ideas and technologies into inventive solutions that accelerate outcomes and realize the goals of IT and the vision of business leaders.

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			GDT Hong Kong
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