GDT

Next generation core network refresh for South American service provider

100% excellence and deadline accuracy in Phase 1, planning for a successful Phase 2

A government-owned full telecommunications service provider that offers telephone, internet and wireless GSM and CDMA services to Suriname, South America, was planning for a full service end-to-end Internet Protocol (IP) enabled network in 2015. Phase 1 required the replacement of seven multiservice routers (the current backbone) with the addition of more service attributes. The design was to include network feature requirements such as OSPF/BGP, IPv4/IPv6, L2VPN/L3VPN, QoS, and BNG, as well as providing Cisco Prime Access Registrar servers for the management of authentication, authorization, and accounting (AAA) access control services.

Overcoming obstacles

After careful consultation and assessment of needs, GDT planned for the installation of eight Cisco ASR 9010 routers in each of the service provider's sites. However, the Suriname site surveys revealed that the client's existing facilities were not adequate to support the upgrade. GDT went back to the drawing board and designed a solution to support this project as well as future growth. The solution included power upgrades, the installation of significant rack space, and improvements in cable management.

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

INDUSTRY
Telecommunications

CORE PRACTICE
Service Provider

PROJECT
Next Generation Network Refresh

TECHNOLOGY
8 Cisco ASR 9010 Routers (1 per location)
Cisco Prime Access Registrar servers

LOCATIONS
1 Miami, FL, United States
7 Suriname, South America

TIME FRAME
12 months

SERVICES
Complete physical design
Site surveys & inventory auditing
Infrastructure material procurement
Optical cable manufacturing
Pre- and post-install engineer testing
OSS integration & knowledge transfer
Post-implementation support services

Delivering satisfaction

Although the time constraints were significant, the GDT team met all deadlines with 100% accuracy. GDT fulfilled the initial requirement of this $3.4 project and also identified and met other critical needs.

GDT employed its state-of-the-art staging facility, full service distribution center, cable manufacturing, and expert project management resources to deliver a full turnkey solution, including physical design, scheduling, implementation, and inventory auditing. GDT managed up to seven simultaneous installation teams to deliver to 35 data center locations and deployed the Cisco ASR 9010, from the Cisco ASR 9000 Series Aggregation Services Routers. The series is designed for the ultimate in longevity, manageability, and nonstop availability and enables the network convergence of business and residential services for both fixed and mobile networks.

GDT maintains the highest level of certification and capabilities in Cisco and other similar technologies. Recognized by Cisco for its architectural excellence, GDT is a Cisco Partner Summit Global award winner in Architectural Excellence for Service Provider Architectures. Our team consists of CCIE, CCIE SP (Service Provider) and CCDE resources on staff to provide product pre-sales support, design and architecture expertise.

Extremely satisfied with the success of deployment, the service provider was eager to continue working with GDT toward the accomplishment of Phase 2.

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.

GDT Customer Service Center
999 Metromedia Pl.
Dallas, TX 75247
214.857.6100

GDT Houston
10370 Richmond Ave.
Suite 250
Houston, TX 77042

GDT Austin
3737 Executive Center Dr.
Suite 120
Austin, TX 78731

GDT Manufacturing
9004 Ambassador Row
Dallas, TX 75247
214.857.6262

GDT San Antonio
210 E. Rhapsody
San Antonio, TX 78216

GDT El Paso
Butterfield Trail Blvd.
Suite 5-E
El Paso, TX 79906

GDT West Coast
4655 Old Ironside Dr.
Suite 290
Santa Clara, CA 95054

GDT Northeast
179 Bear Hill Rd.
Suite 204
Waltham, MA 02451

GDT Arkansas
119 E. Markham
Suite D303
Little Rock, AR 72201

International Offices
GDT Australia
GDT Brazil
GDT Canada
GDT Hong Kong
GDT India
GDT Singapore
GDT United Kingdom