

Dedicated Internet Access: Cisco Systems and Qwest



“ CISCO SYSTEMS COMPLEMENTS ITS PRODUCTS AND SOLUTIONS WITH THOSE OF SELECTED SERVICE PROVIDERS. AS A DESIGNATED PROVIDER OF DEDICATED INTERNET ACCESS SERVICES OVER A CISCO POWERED NETWORK, QWEST PROVIDES A POWERFUL SOLUTION FOR TAPPING THE FULL POWER OF THE INTERNET. ”

- Larry Lang, Vice President-Service Provider Marketing, Cisco Systems, Inc.

The Challenge

The world is getting more connected every day. Businesses are exploring new ways to exploit the Internet to become virtual enterprises with electronic global reach. But a virtual company can't exist without high-speed, secure, reliable, and scalable Internet access. Most of today's networks were built for voice traffic but must also carry data and video. Many of them are becoming obsolete.

The Solution

Qwest Dedicated Internet Access (DIA) delivers the exceptional high-speed access today's businesses need to realize the full potential of the Internet and to grow a virtual business.

Qwest DIA offers a premium level of performance and security because customer traffic is transmitted over a nationwide OC-48 Internet Protocol (IP) network, powered by networking equipment from Cisco Systems, at the highest rates available and with nearly zero percent packet loss. Qwest's extensive private peering arrangements and the cold-potato routing function (traffic is kept on the Qwest network for as long as possible) eliminate the latency issues faced by other service providers.

Executive Summary

The Challenge

Today's virtual enterprises require high-speed, reliable and scalable Internet access services. Most networks existing today, which were built for voice, are not able to provide the level of performance these companies require.

The Solution

Using a high-speed, OC-48 IP network on a Cisco Powered Network, Qwest DIA delivers the exceptional high-speed access today's businesses need.

The Provider

Qwest Communications International Inc. is a leader in reliable, scalable and secure broadband Internet-based data, voice, and image communications for businesses and consumers.

The Benefits

The Qwest Macro Capacity Fiber Network, powered by Cisco, is one of the only packet over SONET (PoS) backbones in the industry. Qwest DIA enables the virtual enterprise and harnesses the full power of the Internet.



Qwest DIA securely delivers content to users and provides high-speed transmission of information from Web servers to the Internet. And because connectivity, managed router and firewall services, state-of-the-art security tools, and business applications are all integrated on Qwest DIA, it's a complete solution backed by industry-leading service-level agreements (SLAs). These agreements include:

- A network goal of 100 percent, end-to-end network uptime, keeping users connected and productive
- 65 ms average round-trip network delay, delivering the most aggressive performance metrics in the business
- 10-minute outage notification via e-mail, fax, and page
- 24x7 customer service

No matter what your company's access needs are now, they are likely to change in the future.

Qwest DIA offers a variety of access speeds and pricing plans:

- Scalable network access speeds from 56 kbps to 2.4Gbps, the fastest speed commercially available
- Flat, tiered, and burstable pricing options
- Integrated access availability for single-source virtual enterprise solutions

The Provider

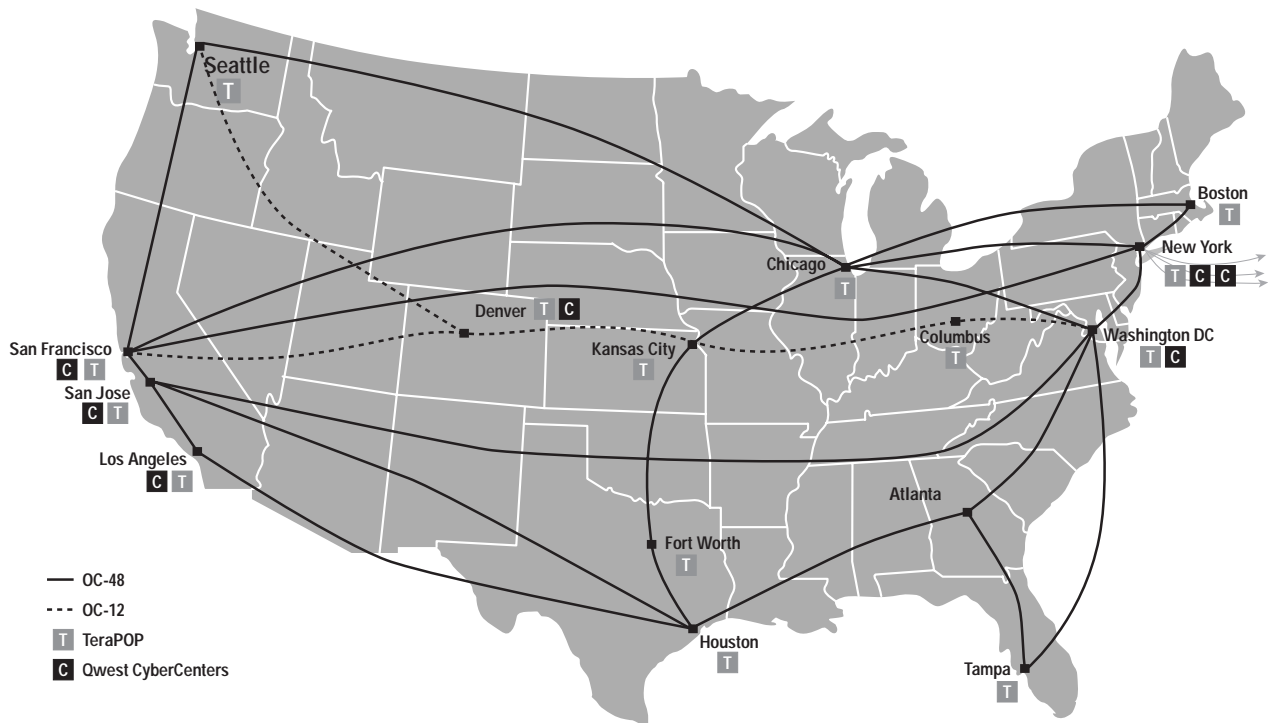
Headquartered in Denver, Colorado, Qwest Communications International Inc. is a leader in reliable, scalable, and secure broadband Internet-based data, voice, and image communications for businesses and consumers. The Qwest Macro Capacity Fiber Network, designed with the newest optical networking equipment for speed and efficiency, spans more than 25,500 miles in North America. In addition, KPNQwest, Qwest's European joint venture with KPN, the Dutch telecommunications company, is building a high-capacity European fiber optic, Internet-based network that will span 11,800 miles when it is completed in 2001.

For More Information

For more information about Qwest DIA and how it can work seamlessly with your Cisco equipment, contact your Cisco account manager, visit Qwest's Web site at <http://www.qwest.com>, or call Qwest today at 1 800RIDEQWEST (1 800 743-3793). You can learn more about the Cisco Powered Network program on the Web by visiting <http://www.cisco.com/cpn>.



Figure 1 Qwest OC-48 IP Network





Corporate Headquarters
Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
<http://www.cisco.com>
Tel: 408 526-4000
800 553-NETS (6387)
Fax: 408 526-4100

European Headquarters
Cisco Systems Europe
11, Rue Camille Desmoulins
92782 Issy Les Moulineaux
Cedex 9
France
<http://www-europe.cisco.com>
Tel: 33 1 58 04 60 00
Fax: 33 1 58 04 61 00

Americas
Headquarters
Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
<http://www.cisco.com>
Tel: 408 526-7660
Fax: 408 527-0883

Asia Headquarters
Nihon Cisco Systems K.K.
Fuji Building, 9th Floor
3-2-3 Marunouchi
Chiyoda-ku, Tokyo 100
Japan
<http://www.cisco.com>
Tel: 81 3 5219 6250
Fax: 81 3 5219 6001

Cisco Systems has more than 200 offices in the following countries. Addresses, phone numbers, and fax numbers are listed on the
Cisco Connection Online Web site at <http://www.cisco.com/go/offices>.

Argentina • Australia • Austria • Belgium • Brazil • Canada • Chile • China • Colombia • Costa Rica • Croatia • Czech Republic • Denmark • Dubai, UAE
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