Qwest Wholesale Dial

http://www.qwest.com/pcat/large_business/product/1,1016,2098_4_28,00.html

Expanded Internet access for your virtual enterprise

Virtual enterprises break physical barriers to business. They replace bricks and mortar with virtual storefronts that know no geographical boundaries. As an Internet service provider (ISP), you have built your business on this paradigm. You market and deliver your services to a loyal customer base. To expand that base, you need a company with the resources and expertise to make it happen quickly and seamlessly. Qwest can help.

Transparent dial-up access for your end users

Qwest Wholesale Dial provides you a high quality, reliable, cost-effective dial-up network infrastructure solution. It is a completely outsourced, dial-up network access option for ISPs to quickly enhance their dial-up service and coverage across the country. Qwest Wholesale Dial gives your end-users seamless dial-up functionality on the Qwest Dial Access Network. When your end user dials a local Internet access number provided by Qwest, special server protocols authenticate the calls over the Internet without compromising data security. With Qwest Wholesale Dial, your dial Internet access needs-from call origination to termination-are completed behind the scenes.

What Qwest provides:

Qwest Wholesale Dial provides you with:

- A dial-up network infrastructure (network-based modems, V.90, V.92, and ISDN protocol support) with dial coverage from more than 2,700 points of presence, covering more than 85 percent of the U.S. population with a local call
- Local access telephone numbers, as well as 8XX service
- V.92 network support for new features such as Modem-on-Hold, Quick Connect and V.44 compression
- 56K and ISDN access to the public Internet
- IP transit for Internet access with best-in-class reliability and security
- Proxy remote authentication dial-in service (RADIUS) for authentication, authorization and accounting (AAA) standard
- Around-the-clock network maintenance, monitoring and customer support from our network operations center (NOC)
- Special usage reports, technical documentation and service detail information available from a secure, customer-specific Web site via Qwest Control™
- Competitive pricing with multiple pricing options

Benefits
Outsourcing your Internet dial-up access network needs to Qwest means your company:

- Provides end-users access to a state-of-the-art network that offers best-in-class coverage, reliability and service quality
- Has access to a robust dial platform that provides extensive capacity, ensuring very high call-success rates even during peak times
- Enjoys full-time network maintenance and monitoring and around-the-clock network operations center (NOC) customer support
- Has access to extensive reporting and usage information, product and technical information, call detail and billing records, coverage location/analysis tools, historic and current invoices as well as online bill payment, weekly phone books,

and other important service information, 24 hours a day via Qwest Control™.

- Incurs no cost of building and maintaining a dial network
- Can reduce substantial costs associated with network build-out, operations, maintenance and monitoring
- Can concentrate efforts on core competencies and expanding your end-user base
- Retains control of end-user authentication
- Remains in charge of sales, marketing, customer service and billing
- Enjoys cost-effective and competitive pricing, and the ability to choose pricing options that best fit your strategic plans

The security of the Qwest network
Qwest network technicians closely monitor your service and ensure a premium level of performance, security and reliability. Rest assured that your end-user traffic is taken care of when utilizing the Qwest Dial Access Network.
Your solution for the future
If you are planning for future expansion, Qwest Wholesale Dial service is ready when you are. Tell us what your needs will be, and we will handle the rest.
Qwest Wholesale Dial is available throughout the domestic U.S. A realm activation charge may apply.

Technical Overview

1. End-user PC dials a local access number, or toll-free service, provided by Qwest.
2. Call sent over the public switched telephone network (PSTN) via primary rate interface/intermachine trunk (PRI/IMT) connections.
3. Call forwarded to local Qwest network access server (NAS).
4. NAS communicates with the end-user and the Qwest proxy RADIUS server. The Qwest proxy server then queries the customer□s RADIUS server for final authentication.
5. After authentication, Qwest routes traffic to the public Internet via the Qwest IP network and/or that of a Global Service Provider (where required).

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