

CenturyLink Ethernet Service

Networkx Service Overview

Get high bandwidth, proven reliability and self-service feature functionality

CenturyLink's comprehensive Ethernet Services (EthS) directly leverage our SONET and IP/MPLS data transport backbones and access infrastructure to give your Agency increased functionality, efficiency and value. Your Agency will get best-of-breed SONET and IP infrastructure, as well as our proven performance of extending and carrying Ethernet protocol across local, metro and long haul networks.

Features

CenturyLink's Ethernet Services include a host of valuable features and capabilities. The following are examples of some of the available features and capabilities with CenturyLink's EthS:

- Ethernet Private Local Area Network (E-LAN) and Ethernet Private Line (E-LINE) service types
- Supports Quality of Service (QoS)
- Multiple EVCs per User-to-Network Interface (UNI)
- Multiple UNI type support and access arrangements

Benefits

CenturyLink's Ethernet Services offer your Agency significant benefits:

- Choose the service option (E-LAN or E-LINE) that meets your Agency's requirements perfectly
- QoS gives your Agency's applications the appropriate priority within the network (no undue delay)
- Multiple EVCs per UNI deliver economies of scale
- Reserved and shared bandwidth protection means high reliability at the best price
- Multiple UNI support ensures the right interface is available to connect your Agency's applications
- High bandwidth provides scalability
- Proven reliability ensures that your Agency meets its mission
- Self-service feature functionality allows your Agency to fine tune its service
- Added benefits specific to each Ethernet option
 - Your Agency can carry any protocol over Virtual Private LAN Services that standard Ethernet is capable of supporting
 - Each Service Delivery Point can be automatically associated with the appropriate EVC in a full mesh, providing a degree of connection simplicity

Geographic Availability

CenturyLink's EthS are currently offered in the 48 contiguous United States and the District of Columbia (CONUS)

Service Quality

CenturyLink's EthS is a highly reliable solution. CenturyLink uses industry leading, state-of-the-art carrier quality integrated EthS devices. Your Agency will benefit from high quality services derived from a stable, proven network platform.

- CenturyLink consistently meets or exceeds the Networkx contract's Acceptable Quality Level (AQL) metrics
- CenturyLink's EthS is proactively monitored 24x7x365
- CenturyLink offers the additional capability of reporting statistical and alarm information directly to Agencies via our Web-based reporting service, the CenturyLink Control Networkx Portal

Contact your CenturyLink Representative today!

Visit GSANetworkx.com and click on "Locate your Account Manager".
Or contact the CenturyLink Customer Support Office: 866-GSA-NETWorx
(866-472-6389) Email: federal@CenturyLink.com



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How it Works

CenturyLink's EthS provide dedicated and shared duplex transport connectivity between two or more designated end points. Your Agency's service applications traverse at bandwidths your Agency specifies with minimal protocol conversion. CenturyLink's EthS use two different technical approaches to service delivery that include SONET with Ethernet interfaces and Layer 2 VPLS over CenturyLink's robust carrier grade private MPLS infrastructure.

- **E-LINE:** Provided over CenturyLink state-of-the-art SONET and Dense Wave Division Multiplexing (DWDM) systems, built on CenturyLink's domestic 24,000 mile fiber-optic network. The SONET 4F-BLSR architecture and wavelength networks use two distinct DWDM backbones. Furthermore, the SONET 4F-BLSR network routes the working and protect channels on separate fibers. This virtually eliminates service disruptions. Since E-LINE services are provisioned on the SONET or DWDM network, it is fully transparent to all Agency protocols at L2 and L3. It does not interact with protocols like 802.1q, 802.1p, and QoS. CenturyLink can provide full or shared reservation of bandwidth on our SONET network for the E-LINE services.
- **E-LAN:** Provided via a high capacity IP/MPLS core network. Several CenturyLink services, including E-LAN, are converged under a unified IP/MPLS service suite. CenturyLink E-LAN services are supported using VPLS allowing Ethernet Layer 2, fully meshed, secure connectivity across a metropolitan area network or wide area network. VPLS is the implementation of a LAN or bridged network environment between multiple locations.

Why Buy from CenturyLink?

- Extensive and excellent track record of on-time delivery service, with reliable service delivery intervals
- Effective transition processes allow your Agency to take advantage of next-generation services to achieve higher operational efficiency and lower unit costs
- Complete end-to-end responsibility for the planning, engineering, provisioning, monitoring and trouble management for all Ethernet access methods
- Extensive government Agency experience assures your Agency of an integrated solution that will provide a reliable, virtually error-free data transport highway no matter what telephony, IP, or data services are used

Other Products Available from CenturyLink

In addition to Ethernet services, CenturyLink has an array of products to meet your Agency's networking and security needs, including:

- Network-Based Internet Protocol Virtual Private Network Services
- Premises-Based Internet Protocol Virtual Private Network Services
- Layer 2 Virtual Private Network Services
- Private Line Service
- Optical Wavelength Services

Contract Vehicle

Networkx Universal & Enterprise

- An overview of CenturyLink's contract is available on the CenturyLink Networkx Website at <http://www.gsanetworkx.com>

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