

# CenturyLink® Virtual Private Network Service (VPNS)

## Integrated, Secure, Reliable Delivery

CenturyLink provides a VPNS that is integrated, secure, reliable, and delivered through a multiservice unified IP-enabled network, providing scalable bandwidth transported on an underlying intelligent, protected DWDM backbone.

## Product Description

Our MPLS-based VPNS is a high-performance, high-quality service that provides a reliable, secure, and mobile networking experience for accessing government networks from geographically dispersed locations including remote locations and mobile users.

VPNS allows users to securely access and execute various applications such as VoIP, video, email, and Internet browsing with differing performance requirements. Our offering is designed in a way that improves network security, reduces routing and service complexity, and provides optimum network performance.

## Key Features

- Rides on a standards-based DWDM backbone, reducing complexity and improves scalability, unlike competitor networks which are designed around legacy SONET or TDM-based infrastructure.
- Upgrade by adding wavelengths, not new equipment or technology, which improves service delivery.
- Designed around a standard utilization upgrade threshold of 40 percent for backbone links, reducing congestion in the event of link failures on primary, secondary, and tertiary routes.
- Includes sub-50-ms MPLS FRR intervals for backbone links
- Ensures traffic reservation using RSVP—Traffic Engineering (RSVP-TE) for primary, secondary, and tertiary links between POPs to provide congestion control for agency traffic in the event of an outage.



Providing government agencies with multiple network access types to enable customized solutions. And advanced network communication services that allow agencies to transform the business of government.

### Virtual Private Network Service

- Ethernet Transport Service
- Optical Wavelength Service
- Private Line Service
- Synchronous Optical Network Service
- Dark Fiber Service
- Internet Protocol Service



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For more information, contact your CenturyLink Government Sales Representative or visit: [www.centurylink.com/federal](http://www.centurylink.com/federal)

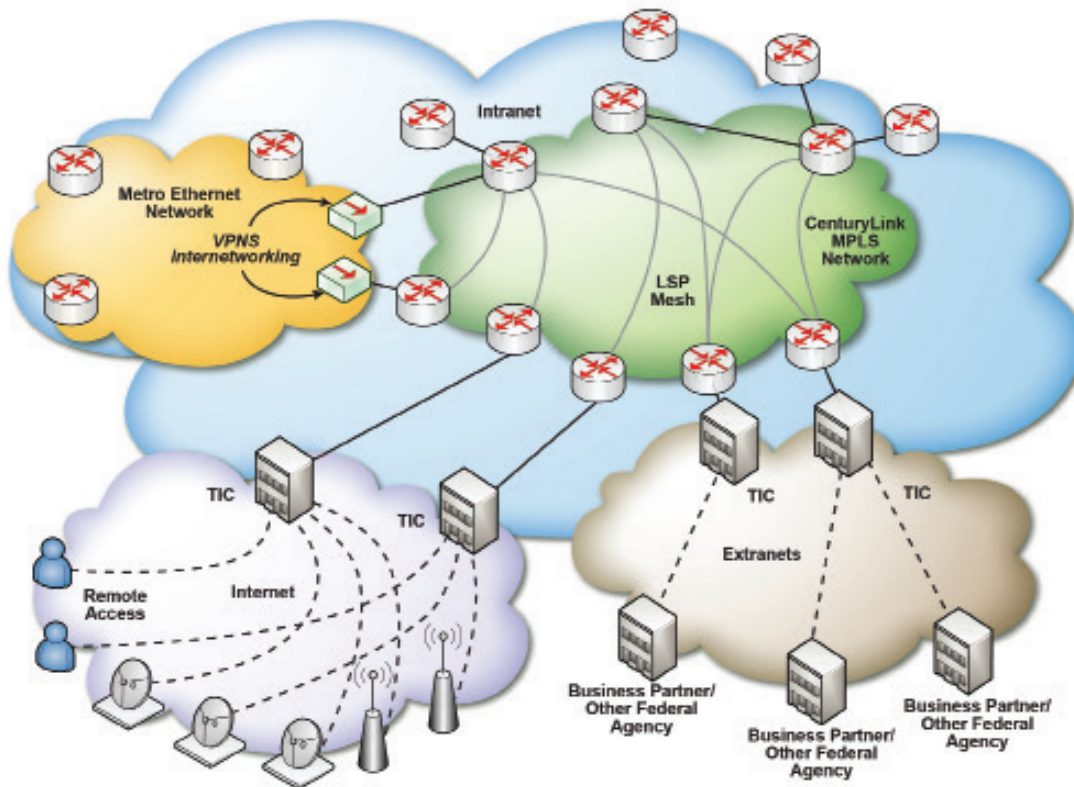
# VPNS Highlights

- Uncongested scalable 100 Gbps global IP backbone network
- Layer 1 and multiple Layer 2 access types including Ethernet
- Flexible QoS based on 4, 6, or 8 class queues for implementing broadly configurable traffic allocations to prioritize time-sensitive traffic such as VoIP and video streaming
- Integrated with our MNS offering to provide enhanced solutions

## VPNS is provided in three ways:

- **Agency Intranet** is provided through secure tunnels using the RFC 4364 standard to connect remote sites using broadband or dedicated access over our IP/MPLS network
- **Extranet Access** is provided through secure/encrypted tunnels that terminate at the government-furnished equipment (GFE), or SREs provided or managed by CenturyLink at the agency site. CenturyLink supports terminating encrypted Extranet tunnels over broadband, dedicated or Internet access
- **Robust and comprehensive product and service offering.** By teaming with other IT schedule holders to meet government agencies' IT, telephony, security, monitoring and data networking needs and will be provided using IPsec or an SSL capability for users of dialup, broadband, dedicated, or wireless access

## CenturyLink VPNS Connectivity



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