CenturyLink IQ® Networking: MPLS
Key Objectives in Your Business

**SEAMLESS**
Seamless connectivity between global regions

**APPS**
High performing applications

**SUCCEED**
Help my employees be successful

**ALIGN**
Align application workloads with QoS standards I set

**LEAD**
Show my leadership team that I can help transform the business

**CONTROL**
Control costs

**AGILE**
Enable agile IT infrastructure to adapt to changing business requirements
Obstacles to Your Success

Current network
not meeting business needs

IT Demands
outpacing budget

Agility to respond quickly
to business requests

Ability to support seasonal network traffic

Evolve network to support increasing number
of off-site cloud and SaaS applications

Focus resources
on delivering exceptional user experience

TYPICAL BARRIERS

• Influencing leadership
• Pain of change
• Existing contracts
• Cost
• Insufficient staff or staff skills
• Compliance standards
What If You Could…

- Improve Application Performance
- Massively Scale Bandwidth Simply and Quickly as Business Demands Change
- Free Up Resources to Concentrate on Your Business, Not Your Infrastructure
The Value of CenturyLink® MPLS

COST EFFECTIVE
solution for connecting your business locations, users, and applications

CONVERGE
voice & data network infrastructures to reduce operating costs while increasing employee productivity

MANAGEMENT & OPERATION
built on industry standard technologies, so your staff does not require special propriety knowledge

EXPERIENCE & SCALE

A LEADER IN SDN & NFV

NETWORK-BASED SERVICES
Why CenturyLink?

Industry Leader
Leader in Software Defined Networking and Network Function Virtualization

Single Network
Enable the convergence of voice & data networks with VoIP and collaboration tools

Leader in Network Services
Accelerate application performance across your WAN, with numerous last mile connectivity options (up to 100Gbps Ethernet services) and Ethernet connectivity available in 2300 U.S. locations

Extensive Access
Access to CenturyLink Hosting services as well as over 250 third party cloud providers, with a broad range of network-based service add-ons designed to help simplify, optimize, and reduce cost
Drivers for Next Gen Networking

**Rapid Application Growth**
(creating shift)

- Need faster application delivery
- Shift from physical to virtual
- Rise of mobile & cloud apps creating new market trends

**Impacts to Core Business Competency**

- Spending time focusing on wave of new applications
- Legacy hardware platforms hindering ability to meet new market conditions

**Staying within Budget**

- Minimizing overspend on everything from data center services to network utilization

**Deliver User-friendly, Intuitive, Uniform Capabilities**

- Applications that are easy to access everywhere platform “device” (iPhone)
- Performance SLAs
CenturyLink Global Reach: By the Numbers

- 550K Global Route Miles
- 220+ On-net 3rd Party Data Centers
- 144K MPLS Ports in Service
- 60+ CenturyLink Data Centers
- 2300 US Locations with Ethernet Local Access
Ensuring Capacity on the Backbone

CENTURYLINK DOUBLES BACKBONE CAPACITY EVERY YEAR

- Business applications are growing
- Bandwidth requirements for those applications are growing
- CenturyLink is engineering its network to stay ahead of growing network needs
- We keep capacity low by continuing to expand our network

ON A TYPICAL DAY, NETWORK HAS AVERAGE UTILIZATION UNDER 30%

CAPACITY BY THE NUMBERS

30+ Terabit Backbone Capacity

100 Gbps Optical Wave Backbone
A Global Leader in Network Intelligence & Automation

CenturyLink has invested Billions in evolving our network, resulting in:
- A Leader in Software Defined Networking & Network Function Virtualization
- Simplified provisioning & orchestration

We’re Bringing More Services Into & Over the Network

- Access to network-based services (SIP Trunking, Network-based Firewall, Content Filtering, etc.) as services
  - Reduces cost and complexity
- Direct, Secure, Reliable Connections to Leading Cloud Providers
CenturyLink IQ Portfolio

**IQ Data Networking**

- IQ Data Bundle/Private Port – A fully managed data network service that includes connectivity equipment and management
- IQ Private Port – Provide your own equipment
- IQ Public Port – Internet Access

**Data Center Networking**

- IQ Plus – Simplified Interconnection within CenturyLink Data Centers
- IQ Cloud Connect – Access to third party cloud providers
- Connect directly to over 260 third party data centers over the CenturyLink IQ Network

**ADDITIONAL SERVICES**

- Network based Security: Virtualized, network-embedded security platform
- VoIP & SIP Trunking
- Redundant dedicated connectivity & wireless back up options
- Access to all CenturyLink Data Center Services
- CPE & Managed Services
- Consulting & Design
CenturyLink Global Network

- Connected to 12 international data centers
- Plus another 220+ third party data centers
- Own or lease over 280,000 international fiber route miles
In Summary

- CenturyLink continues to invest and grow with focus on Fiber to the Premise (FTTP) and delivery of MPLS & Ethernet services.

- In the Age of Cloud, the network matters more than ever.

- Software Defined Networks are key to growth and flexibility for CenturyLink and its clients.