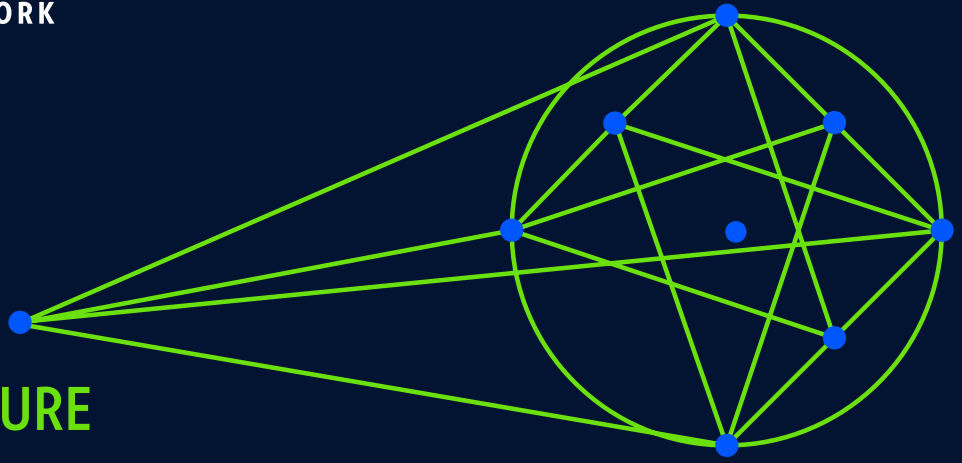


ElastiNET™

**DYNAMIC AND SECURE
L2 AND L3 VPNs**



ELASTIC VPNs WITH SDN/NFV

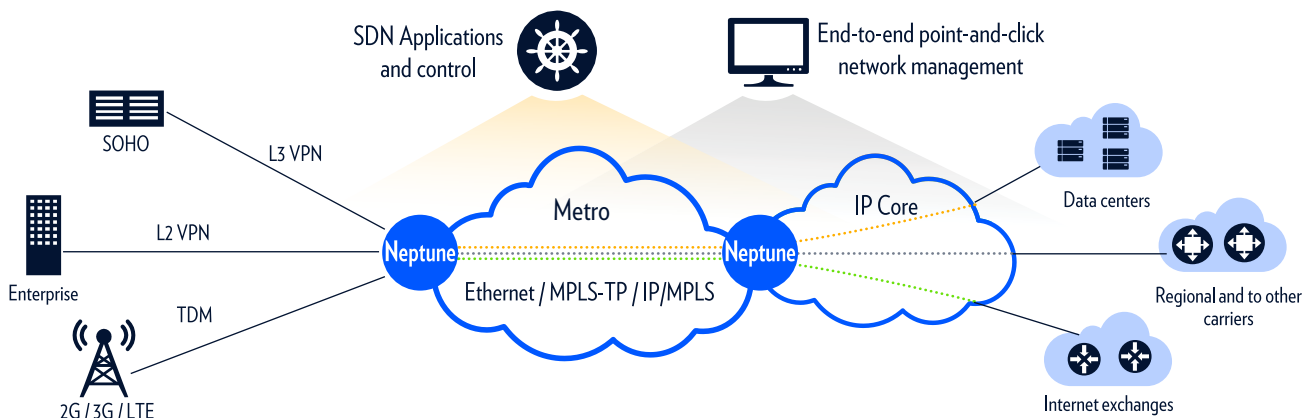
Connectivity to the cloud is now a necessity. As a service provider, you must support your customers' connections at all times, whether they are at a fixed location or on the move. L2 and L3 VPNs are the conventional means to achieve this, but streamlining the VPN operation across a growing large-scale metro is a greater challenge. ECI's ElastiNET VPNs address this challenge with unmatched multiservice support that suits diverse customer types and connectivity requirements. It incorporates NFV services and SDN applications, conforming to a dynamic and open environment. This shortens the time for introduction of new services and provides new revenue sources. ElastiNET provides end-to-end network visibility and control, which is essential for improved operation and streamlined service delivery.

Simultaneous L2 and L3 VPN solution
from demarcation to the core

Revenue-generating
NFV services and SDN controller and applications

Multilayer NMS
for ultra-efficient end-to-end, cost-effective operation

Variety of SDN applications
for network efficiency and bandwidth control



As a service provider, you face multiple challenges in deploying Virtual Private Networks (VPNs) across the metro, and are expected to:



Offer new future-proof service offerings while generating revenue



Provide customers with flavors of L2 and L3 VPN transport to suit their varied needs

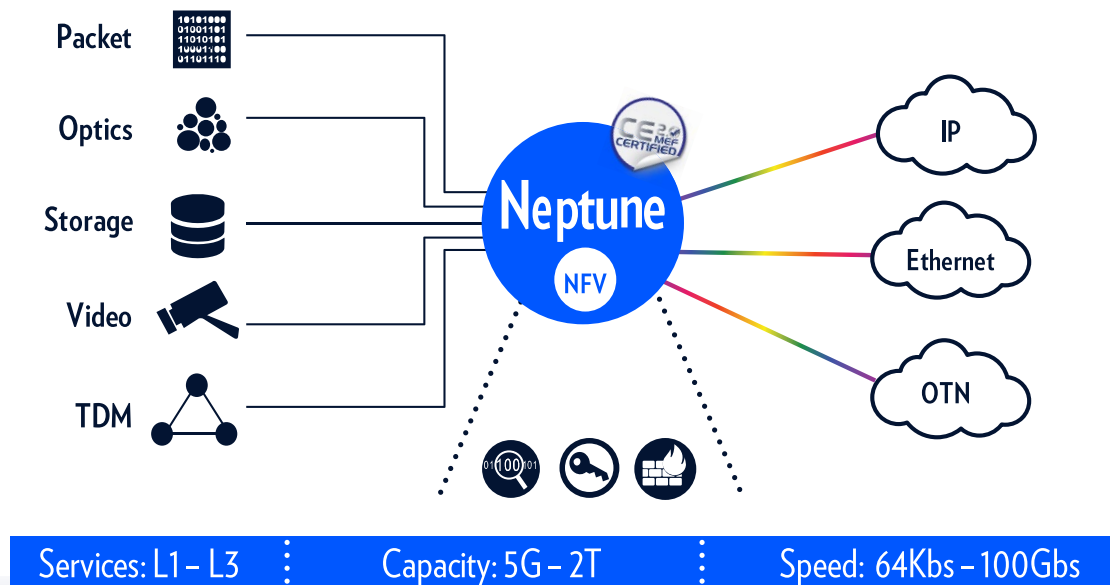


Provide L1 transport and TDM services at no additional cost



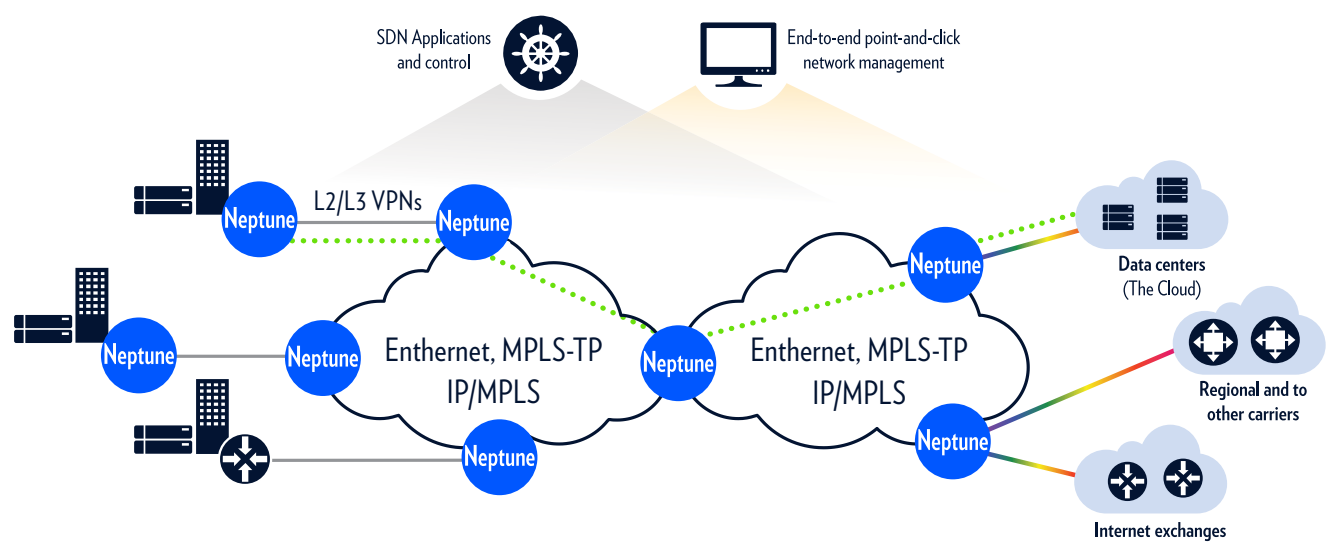
Cost-effectively deploy thousands of network entities with sufficient intelligence for fast restoration

Above all, you must address all of these challenges while providing Carrier-Grade service quality and assurance.



ECI's Virtual Private Networks solution provides the best approach to meeting these challenges. With Elastic MPLS, you can build any combination of Ethernet, MPLS-TP, and IP/MPLS transport, from the edge to the metro core, using varied L2 and L3 VPN performance and cost profiles. These run alongside NFV services, SDN applications, L1 transparent optical transport, and legacy TDM services.

The ECI VPN solution also has a cyber-security suite for broad L1 to L7 security, featuring transport encryption, firewalls, Deep Packet Inspection, and Big Data analytics. The VPN solution addresses scaling and topology issues over a wide switching capacity range (5Gbps to 2Tbps), supporting multiple protection and restoration mechanisms with multilayer end-to-end visibility and control. When combined with ECI's value-added NFV services and SDN applications, this offers the best way to deliver carrier-grade metro packet solutions, while generating new revenue streams.



Simultaneous L2 and L3 VPN solution from demarcation to the core



Features and benefits of ElastiNET L2 and L3 VPNs

FEATURE	DESCRIPTION	BENEFIT
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Comprehensive cost-effective solution from demarcation to the core

End-to-End ElastiNET L2 and L3 VPNs solution	Family of platforms from 5Gbps to 2Tbps packet switching capacity, running L2 and L3 VPNs simultaneously, along with future-proof NFV services and SDN applications	E2E solution for a wide range of traffic densities across the metro, allowing new service offerings
Carrier Grade	Multiple features, including HW redundancy, multiple protection and restoration mechanisms, and guaranteed performance based on MPLS-TP.	Most efficient and scalable use of bandwidth to deliver packet services.
MEF 2.0 Certification	MEF 2.0 certified for all Carrier Ethernet services: E-Line, E-LAN, E-Tree, E-Access	Provides CE services with confidence according to MEF 2.0 standard.
Elastic MPLS	Stitch together any combination of Ethernet, MPLS-TP, and IP/MPLS	Creates different L2 and L3 VPN performance and cost profiles, based on customer needs
Pay-as-You-Grow	Upgradeable switching capacity and in-service expansion units	Handles traffic increases smoothly without changing platforms
Flexible Interfaces	All Ethernet client interfaces, FE to 100GE	Supports L2 and L3 VPNs for all client rates

Value-added revenue generating services

NFV-based cyber security suite	Comprehensive suite including L2/L3 encryption, DDOS protection, secure site and unidirectional gateways, strong authentication, network anomaly detection and big data analytics	Offers premium cyber security service packages
Integrated L1 and TDM services	Delivers L1 transparent transport and/or TDM services (64Kbps to 10Gbps) alongside L2 and L3 VPNs	Single integrated platform solution for providing customers a broad array of services

Ultra-efficient end-to-end operation

End-to-End Point & Click NMS	Complete multilayer service management and network management from demarcation to metro core for provisioning, monitoring, and restoration	Rapid time-to-market and high service availability.
Variety of SDN Applications	Turnkey applications for dynamic bandwidth control, network intelligence, and network analytics	Highest utilization of network resources, and faster service and network provisioning
Measurable KPIs	Monitors actual performance of L2 and L3 VPNs against committed SLAs	Confirms capability to meet service commitments

Specifications subject to change without notice

Contact us to find out how our **ELASTIC** networks can help your business grow



ABOUT ECI

ECI is a global provider of ELASTIC network solutions to CSPs, utilities as well as data center operators. Along with its long-standing, industry-proven packet-optical transport, ECI offers a variety of SDN/NFV applications, end-to-end network management, a comprehensive cyber security solution, and a range of professional services. ECI's ELASTIC solutions ensure open, future-proof, and secure communications. With ECI, customers have the luxury of choosing a network that can be tailor-made to their needs today – while being flexible enough to evolve with the changing needs of tomorrow. For more information, visit us at www.ecitele.com