



# TELUS Carrier Ethernet Switched

Robust, reliable, high-quality carrier connections.

TELUS Carrier Ethernet Switched services are purpose-built for carriers who want to establish or expand their Canadian presence by offering their customers the most dominant networking technology available today. In addition to reach, TELUS gives you the speed, reliability, and performance your customers demand.

The TELUS Carrier Ethernet Switched network is completely transparent to customer traffic. Unlike other service providers with older networks that cannot scale their virtual local area network and quality of service (QoS) offerings, TELUS provides service without manipulating your data. Instead, flexible over-subscription ratios allow traffic levels above committed rates, including jumbo frame support for larger payload and more efficient packet processing. This enables your customers to implement network topologies that were previously impossible to build without incurring additional expense, another feature unique to TELUS.

**Class of service:** Allows for flexible QoS mappings, up to 4 classes per circuit, with 4 options to choose from, including a multiclass of service features.

**Fast and simple wholesale interconnection:** TELUS' presence across North America makes establishing Ethernet NNI connections easy, without requiring any Canadian network presence.

**Highly available and reliable:** Our robust, reliable network architecture supports long-haul transport service, with diverse north and south routes, and matched nodes at ring interconnection points.

## Key features and benefits:

- Fully aligned with IEEE and Metro Ethernet Forum (MEF) standards
- Copper-based access using ADSL2+, VDSL, and T1
- Supports Internet EVC<sup>1</sup>
- Four classes of service to support everything from Internet to real-time voice and video<sup>2</sup>
- Fibre access speeds from 10 Mbps to 10 Gbps
- Delivers the speed, reliability, performance, and reach required to grow your business



# TELUS Carrier Ethernet Services service options:

## 1. E-LINE: Ethernet Private Line (EPL) and Ethernet Virtual Private Line (EVPL).

Provides a point-to-point service connecting exactly 2 UNIs, which can communicate only with each other.

### Ethernet Private Line (EPL)



### Ethernet Virtual Private Line (EVPL)



## 2. E-Access: Access-EPL (A-EPL) and Access-EVPL (A-EVPL).

Provides a point-to-point service connecting exactly 1 UNI to 1 CCI, which can communicate only with each other.

### Access Ethernet Private Line (A-EPL)



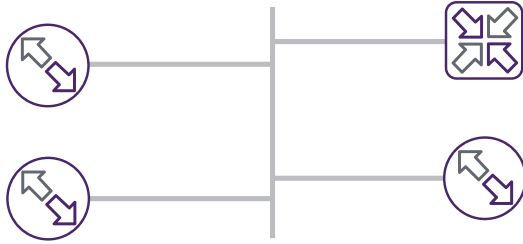
### Access Ethernet Virtual Private Line (A-EVPL)



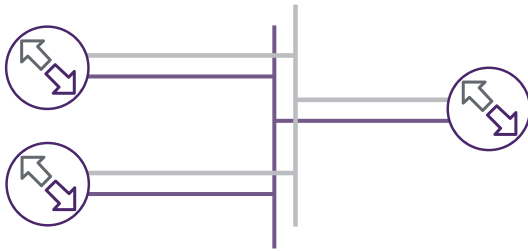
## 3. E-LAN: Ethernet Private – Local Area Network (EP-LAN) and Ethernet Virtual Private – Local Area Network (EVP-LAN).

Provides a multipoint-to-multipoint service, which connects 2 or more UNIs providing full-mesh connectivity between sites.

## Ethernet Private – Local Area Network (EP-LAN)

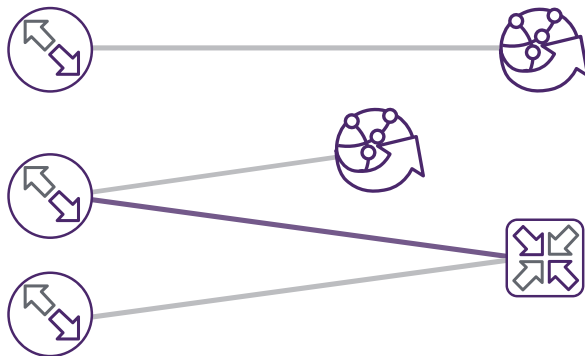


## Ethernet Virtual Private – Local Area Network (EVP-LAN)



**4. Internet EVC:** Allows a single access circuit or network connection to a customer to be shared (multiplexed) for both L2VPN and Internet services.

## Internet EVC



**5. Carrier to Carrier Interconnect (CCI):** Also known as an E-NNI in MEF 26 specification, allows for the aggregation of multiple EPL and/or EVPL services into one connection point to the customer.

**6. Application to Network Interconnection (ANI):** An abstract interface for future TELUS services that can be offered to multiple customers. Similar in design to a CCI in that there are multiple EVCs using the same interface. However, where CCI is dedicated to a single customer, ANI can have multiple customers on the same interface.

## Connect today.

Contact your TELUS account executive today and connect with us at [telus.com/partner](https://telus.com/partner) or email [partnersolutions@telus.com](mailto:partnersolutions@telus.com) for more information on how to make you part of the connected world.

Bringing a world of possibilities to our customers and the best of TELUS to the connected world.

 **TELUS**® Partner Solutions

