Cologix Montreal: Metro Connect Services

Convenient, simple solution to increase access across data centres within a metro market

Cologix's Metro Connect is a low-cost product offering that extends Cologix's dense network availability to customers regardless of data centre location within a market. Metro Connect is a fibre-based service that offers bandwidth of 100Mb (FastE), 1000Mb (GigE), or 10G and higher (Passive Wave). FastE and GigE services are delivered through a Cologix switch to the customer via a copper cross-connect. The Passive Wave offering provides a dedicated lambda over Cologix fibre that customers must light with their own network equipment. Customers are able to request one of two diverse routes for all three services. Cologix Montreal Metro Connect enables:

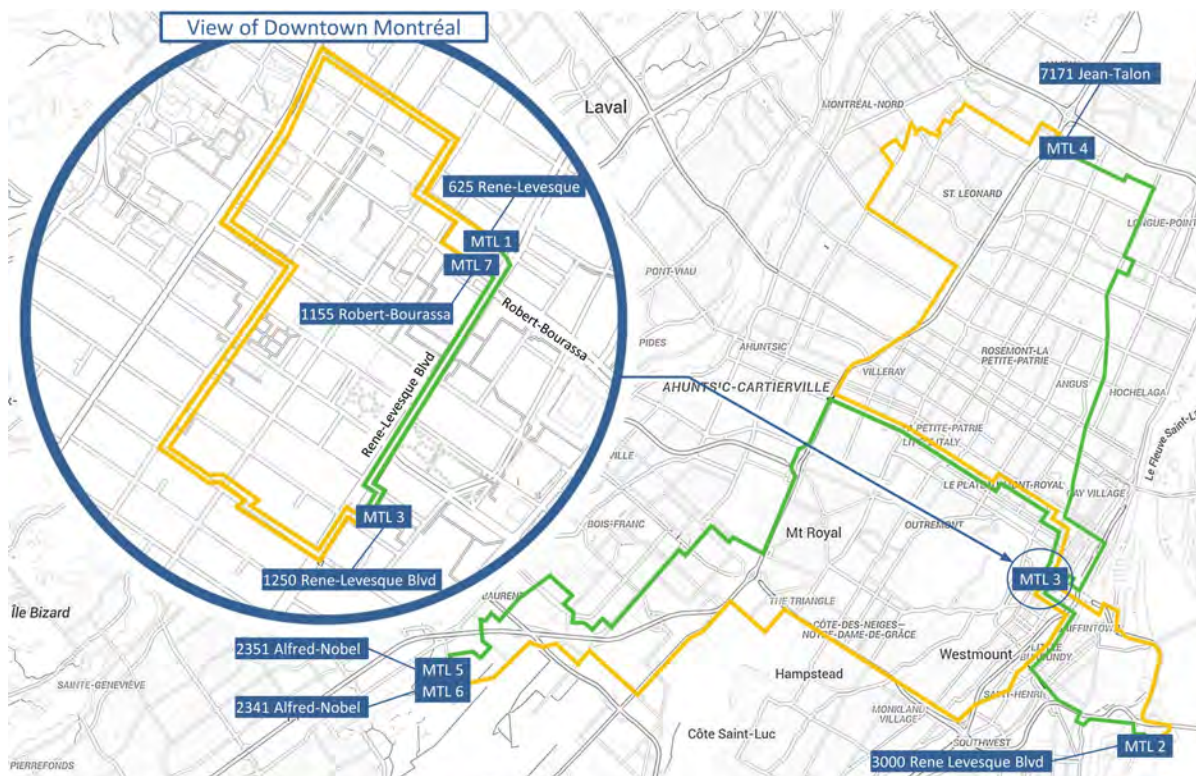|		
Connections between Cologix's 7 Montreal data centres	Extended carrier and network choice	A low-cost alternative to local loops

Cologix's Montreal Metro Connect product provides connections between the MTL1, MTL2, MTL3, MTL4, MTL5, MTL6 and MTL7 data centres over shared dark fibre and Cologix-operated network equipment. The product comes in several different confgurations to solve various customer requirements. **All Metro Connect services include a cross-connect within each facility to provide a complete end-to-end service.**

Quick Facts:

- *Cologix operates approx. 100,000 SQF across 7 Montreal data centres*
- *2 pairs of 40-channel DWDM Mux-Demuxes (working and protect) enable 40x100 Gbps between each facility = 4Tbps Metro Optical Ethernet network*
- *Scalable with addition of 40-Channel / 80-Channel PON DWDM Mux-Demuxes pairs*

Passive Wave:

- *Reliant on customer network equipment (1550nm channelized SFPs)*
- *Protocol agnostic – Sonet, SDH, Ethernet, FC, other*
- *Uses passive splitters – no power needed, unlimited MTBF*
- *Inherently secure – resembling physical cross connect*

Cologix Montreal Metro Connect Map

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US: Columbus • Dallas • Jacksonville • Lakeland • Minneapolis • New Jersey
CANADA: Montreal • Toronto • Vancouver

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Provided Through Cologix Network Equipment (Juniper):

- **FastE Metro Connect** – A lit Ethernet solution provided over Cologix's Juniper network and dark fiber. Metro Connect – FastE provides customers with up to 100Mb of bandwidth through a Cat5 handoff.

- **GigE** – A lit Ethernet solution provided over Cologix's Juniper network and dark fiber. Metro Connect – GigE provides customers with up to 1000Mb (1Gb) of bandwidth through a Cat5 handoff

Requires Customer Network Equipment:

Passive Wave – A dark (passive) solution provided over Cologix's dark fibre. Metro Connect – Passive Wave provides customers a single wave (colored light) within its passive WDM optical system. Customers must supply their own 1000Mb or 10Gb Transceivers on both sides of the service conforming to Cologix's signal requirements. Customers are able to utilize the wave pathway to deliver any size optical signal between facilities utilizing their own equipment. The system utilizes fiber handoffs.

Cologix Montreal Network List

6Telecom	Fibre Media Inc	Rogers
ACN	Fibrenoire	Securiglobe
AEI Internet	FirstLight Fiber	Selectcom Telecom
Allstream	Global Internetworking Inc	Server North Inc.
Altima Telecom	GTT	Shaw Business Solutions
babyTEL Inc.	Hibernia Atlantic	Silent Circle
Beanfield Technologies	Hurricane Electric	Siminn hf
Bell Aliant Regional Comm	Hydro One Telecom Inc.	Sohonet
Bell Canada Enterprises	IP4B Telecom Inc.	Sprint International Network Services
Bravo Telecom	IrisTel Inc	Tata Communications Ltd.
Buzz Distribution Services	Level 3 (Global Crossing)	Teksavvy
CIK Telecom Inc.	Limelight Network Canada Inc.	Telecommunications Xittel Inc.
Cogeco Cable Canada	Metro Optic Inc.	Telecorp Canada Inc.
Cogeco Data Services Inc	Montreal Internet Exchange (QIX)	Teliphone Corp
Cogeco Diffusion	Netcelerate Corporation	Telus
Cogent Canada Inc.	Netrium Networks Inc	TeraGo Networks
Colba Net	Netuity Networks Inc	Triton Digital Canada Inc.
Coop Tel Coop	Nexicom	Ubity
DataValet	Nova Vision Telecom	UNI-TÉLÉCOM INC
Datawind UK Plc	OneConnect Services Inc.	Vermont Telephone Company
Distributel	Oricom	Vidéotron S.E.N.C.
Eastlink	Ormuco Corp.	VIF Internet
ElectronicBox	Pavlov Media	VOXCO
Epik Networks Inc	Phontel Networks	Wajam Internet
F6 Networks	RISQ	ZEROFAIL (Pre2Post)

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