



H A L E X

Halex Hosting Infrastructure

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OUR DATA CENTRE

As a part of the 151 Front Street community, Halex Technology Consulting Inc. has built its data centre in one of the most security conscious buildings in Canada.

Our data and telecom networks have been specifically designed to provide flawless operation, in these high-security facilities, with the scalability, safety and flexibility our clients insist on for their business critical strategy.

STRUCTURAL AND INFRASTRUCTURE DETAILS

151 Front Street is widely recognized as the predominant telecommunications and data carrier facility in Canada, offering one the most secure environments for business critical communications.



SECURITY FEATURES

- 24x7 manned security.
- CCTV cameras installed to monitor perimeter & common areas of the building.
- Card readers in elevator cabs in operation 24 hours.
- Building Telecommunication risers & MMR facilities electronically monitored 24 hours.
- Optical entrance turnstiles enable controlled access.

NETWORK CONNECTIVITY

151 Front is at the heart of every major providers network. Home in some way to all facilities-based telecommunications carriers in Canada, 151 Front boasts unparalleled network connectivity. (see Figure 1)



Figure 1
Primary Hub Site of Canada's facilities-based telecommunications carriers.

Over 25 fiber-optic cable entrances into 151 Front ensure network diversity and business continuity.

The infrastructure shown in Figure 1 and the “meet-me room” (Figure 2) facilities provided at 151 Front Street allow for Halex Technology Consulting Inc. to be connected to all of Canada’s major telecom providers, allowing us to offer unparalleled redundancy and flexibility in our services to our customers.

Figure 2

151 Front's meet-me room provides a centralized fiber aggregation point for tenants of 151 Front Street to interconnect their fiber optic networks to each other.

More than 5,000 strands of fiber connect the external and internal networks of over 150 companies.

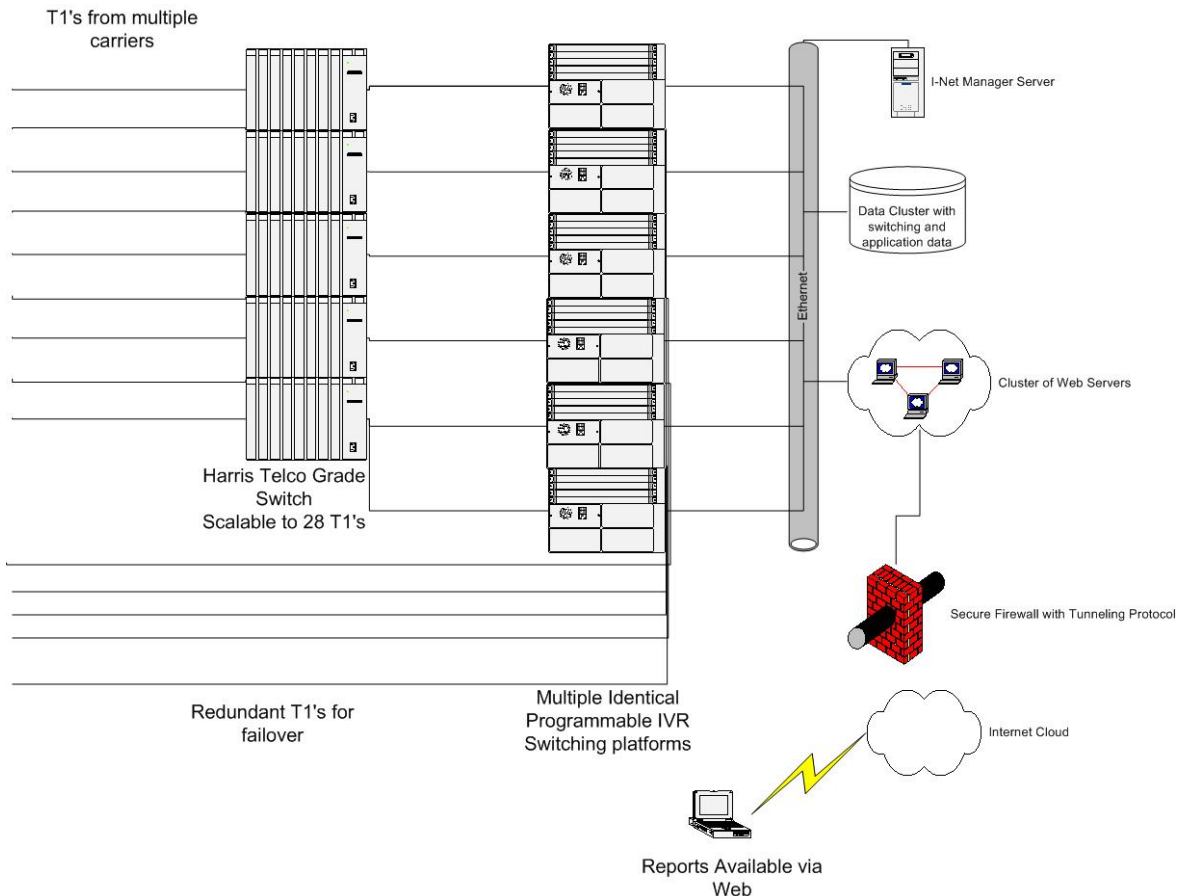
7x24 building-managed security allows tenants to access their equipment with the speed and efficiency that customers require of critical network services.



Within our own facilities in co-location at 151 Front Street, Halex Technology Consulting Inc. offers an N+1 redundancy infrastructure, continually monitored by our internally designed I-Net Manager™ system. I-Net Manager™ maintains a watchful eye on all aspects of server health, including status, availability and physical performance aspects. Upgraded services include a “tool box” of monitoring and reporting applications to manage the entire infrastructure.

Features

- FM 200 fire-suppression
- Perimeter water detection system
- 4 CCTV Security Cameras
- Honeywell entry / exit access control
- Diverse riser access



TRAFFIC

Using multiple carriers to supply T1 service affords Halex Technology Consulting Inc. a fully redundant in and out bound transport for our client's telecom traffic, with variable pricing to ensure the best price from performance ratio.

SWITCHES

With a Harris™ Telco Grade switch handling in and out bound services and switching to our bank of identically programmed IVR cluster ensure our clients applications are operational. Should one carrier, circuit or IVR server become inoperative the switch routes traffic to a fail over circuit or IVR to give the best operation up time.

All Halex Technology Consulting Inc. managed servers are behind a NetScreen™ 100/VPN Appliance. Any client requirements for direct access to the servers is provided through secure VPN access either site-to-site or client based.

DATABASES

Databases are stored in a fully redundant RAID compliant cluster of servers, with data backed up regularly to ensure against loss of critical information. This system allows Halex to ensure that business critical data is available for the IVR switches, the Web server cluster, and the Web based reporting system. Our clients are able to have reports batched and sent, or have access to their specific business reports at their convenience. Clients can conveniently access system and customized reports through any Internet enabled PC via a secured client web site using SSL (requires certificate). The Data cluster and IVR servers are maintained and secured behind the Firewall, with no ports opened to the external Internet to ensure another level of security.



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Business Strength Through Information Technology
9033 Leslie Street, Suite 2
Richmond Hill, ON
L4B 1K3
905-763-6529 ext 236
www.halex.com