Case Study
City of Mississauga

Client

City of Mississauga

The sixth-most populous municipality in Canada, the city of Mississauga is situated on the shores of Lake Ontario, bordering Toronto to the east. It is home to the Toronto Pearson International Airport, Canada's busiest airport, as well as the headquarters of many Canadian and multinational corporations.

Challenge	OnX Canada solution	Results
• Wanting to transform and modernize required the city of Mississauga to move to a software defined infrastructure. However, they first needed to understand their current infrastructure/applications and interdependencies of each.	• Consultative workshops identifying the most strategic areas in need of modernization. The finalized design provided a Software Defined Everything (SDE) Hybrid Data Centre.	• Smart city dynamically connecting street lights, camera, transportation, and people creating a pedestrian friendly city.
• The City of Mississauga wanted to refresh and secure their data centre with a hybrid cloud approach to improve the flexibility and effectiveness of their services.	• Data Center communication layer, powered by Cisco ACI (SDN), for enabling application agility and data centre automation.	• A city ready for growth with the ability to securely innovate by staying at the leading-edge of technology.
• The need to connect hard services to improve performance and connect people, processes and technology.	• Cisco Wireless Mesh implementation throughout the city with application modernization and integration for new services and improved experiences.	• More pedestrian oriented city as well as a competitive edge for bringing new businesses to a city with a vision for the future.

Challenge

The city of Mississauga consulted with their constituents who told them they wanted a city that provided a more pedestrian orientated environment. Their citizens said they wanted to move about more easily using city transit and alternative transportation to reduce automobile congestion. They also prioritized a prosperous city that provided jobs with an emphasis on being environmentally sensitive. To accomplish this, the city began the process of finding the right technology partners to help them get there.

OnX solution

OnX consulted with the city of Mississauga to understand where their capabilities were, where they would like to be in the future and then outlined a strategic road-map to reach their desired state. A data centre refresh, Cisco Zero Trust strategy, application/workload modernization and automation was completed within their environment. Throughout the city a Cisco Wireless Mesh network was built-out, providing data gathering points and connectivity for numerous applications and integrated with the back-end SDE Data Centre.

Results

Mississauga is now a more pedestrian oriented city with dynamic connectivity of previously hard, independent services. With the help of OnX, the city has implemented a foundational infrastructure for technology applications with services and experiences that can differentiate Mississauga from other cities in CA. The city is now agile, with the scalability and security needed to innovate, grow and improve the lives of the citizens of Mississauga.

Contact Us

City of Mississauga
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Infrastructure, covered.
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