

City Wide Wireless Network Deployment for Largest Library System in North America

Industry:

Government Administration

Challenge:

- Cost effective WLAN solution for 100 branches
- Support for 1000s of Users
- 99.999% uptime

Solution:

- MXR-2 and MX-8
- MP422 and MP432
- Juniper Network's SSG5
- Juniper/Trapeze Network's RingMaster

Results:

- Enterprise-class wireless network solution
- Guaranteed SLA's, 99.999% uptime
- Project completed on time and on budget

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Background

The largest library system in North America; with over 100 branches servicing over 5.5 million citizens across the Greater Toronto Area.

Challenges

The customer was faced with the task of providing an enterprise-class 802.11a/b/g/n wireless networking solution across more than 100 remote sites across the GTA. The solution was to be cost-effective, reliable, scalable and done under strict time constraints.

Solution Overview

The solution was based on Juniper/Trapeze Network's award winning Smart Mobile technology. The solution consisted of:

- Over 100 WLAN Controllers (MXR-2 and MX-8)
- Over 250 WLAN Access Points (MP422 and MP432)
- Over 100 Juniper Network's SSG5 Router/Firewall/VPN
- Juniper/Trapeze Network's WLAN Management Tool Suite - RingMaster

Spyders' complete solution included the following:

- Network Design/Architecture
- Comprehensive Wireless Site Surveys of all 100 branches
- CAT5e data cabling for all wireless networking equipment
- Providing the Telecommunications DSL lines
- Pre-deployment configuration/testing
- Implementation/Deployment (Cable tying, rack mounting, etc)
- Post-deployment testing
- Ongoing Maintenance/Support

Spyders is also providing our Managed Network/Security Service Offering via our Risk Mitigation Center headquartered in Mississauga, Ontario which includes:

- Help desk support for end users
- Capacity/Utilization reporting for upper management team
- Proactive monitoring of systems/device health
- Reliable execution of software updates and configuration changes within SLA—delivering 99.999% systems uptime

Results

The result was a citywide deployment of Juniper/Trapeze Network's Smart Mobile technology to meet and exceed the client's immediate and future requirements for a wireless network solution. The project was completed before anticipated and well under budget.