SD WAN: Architected Solution, Implementation and Managed Services

Enhance agility, improve performance and lower bandwidth costs

IBM K-12

Highlights

- Helps reduce costs with a more flexible, network infrastructure

- Meet current and future educational needs through improved network performance and increased availability

- Helps improve response to network issues with skilled professionals

Traditional WAN networks based on hardware are too old, too expensive and too rigid to meet today's dynamic demands.

Automated and programmable networks help districts meet their objectives of speed, and security while enabling IT-as-a-service model. An SD-WAN can be a growth engine for districts by:
- Increasing WAN speed to make Internet use in the classroom more responsive to student and teacher requirements
- Improving visibility and control, so IT spends less time on day-to-day configuration and management
- Saving time and increasing responsiveness as IT does not need to be onsite to manage and troubleshoot the network.

Demand for internet access is already huge and still growing in our classrooms. However, many school districts have all the Internet traffic routed through the District Office. This has become a bottleneck as a single Internet pipe today often does not meet your Internet access requirements. With SD-WAN technology, each of your high-traffic schools can be directly connected to the Internet.

An end-to-end SD-WAN solution, from assessment through management
But while an SD-WAN solution can help deliver the efficiencies and security your district needs, designing and deploying it can be challenging.

Solution Offering:

Our experienced K-12 Network Subject Matter Experts will assist you with:

- **Network Analysis:** Assessing your current and future network needs (BYOD, Guest VLAN, etc.)
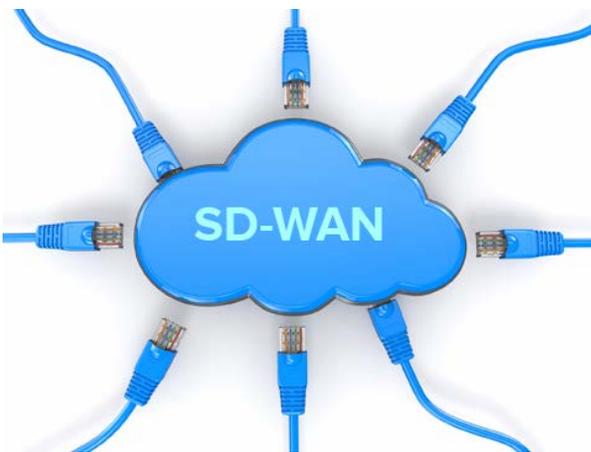
Solution Offering (cont'd):

- SD-WAN Architecture to include:
    - Designing a cloud network infrastructure to address current bottlenecks and meet future needs for your WAN.
    - Designing Local Area Networks (LANs), VOIP, BYOD, etc.
    - Firewall design including security blocking websites and access to resources (servers, printers)
- On-site Configuration and Deployment Services:
    - Project Planning that will define Quality Objectives, the Schedule, Team Structure and Communication Plan
    - Implementation for 5 schools:
        - Address unique requirements of each school
        - Document key performance indicators
- Managed Services (optional):
    - IBM will provide technical and configuration "how to support" for the SD-WAN Dashboard
    - Ongoing monitoring and management of your SD-WAN environment.
- Existing Firewall Migration (optional)

Note: In Ontario, IBM is an approved vendor for Cisco Meraki SD-WAN via the OECM process.

With Cisco Meraki SD-WAN technology, your network technicians can manage the network from anywhere through a single dashboard (single pane of glass). And, as your requirements change, IP devices such as firewalls, switches, mobile devices, Voice Over IP (VOIP) and security IP cameras can be added quickly and easily.

Typical Length of Engagement   2-3 weeks

Why IBM?

You can rely on our seasoned K-12 professionals to help you realize the full potential a SD-WAN can offer. As a recognized leader in networking services and one of the world's largest IT support organizations, we are well equipped to plan, monitor and manage your network. We apply world-class project management, strong process disciplines and clearly defined policies to help provide robust network design, implementation and management, delivering tangible benefits to your district.

For more information

To learn more about IBM K-12 **SD-WAN Architected Solution, Implementation and Managed Services**, please contact your IBM Marketing Representative. For more information on all our IBM K-12 Consulting and Professional Services, visit:

https://www.ibm.com/industries/education/canada-k-12-service-briefs

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