



Highlights

- Help align your infrastructure, policies and support with your BYOD program
 - Provide a framework for robust protection, visibility and segmentation for network security
 - Develop a roadmap for a smoother implementation of your strategy
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Network Assessment for BYOD Readiness

Flexible Learning: Unlocking value in the “bring your own device” era

As teachers and students expand their personal use of mobile technology (smart phones, tablets, and/or laptops), their dependence and expectation of technology speed, availability and reliability will continue to increase. Educators are realizing the capacity of this technology to be a key pedagogical tool in the hands of the students. IT departments see BYOD as having the potential to reduce capital expenditures.

It is commonly found that BYOD initiatives require enhanced network capacity and security for effective use of these devices. Third party software commonly has excessive bandwidth requirements and there is a much higher risk factor of potential network threats and network misuse. As a result, BYOD network infrastructure requires enhanced security policy enforcement and control. While these mobile devices bring educational advantages to both student and teacher, managing the IT infrastructure becomes more complex.

Optimizing BYOD: What to consider

This offering will identify, evaluate and prioritize the issues associated with the implementation of your BYOD strategy and make recommendations to optimize your infrastructure such that it is secure, resilient and scalable to support the expected influx of user-owned devices.

We will work with you to:

- Engage district stakeholders to provide input into BYOD needs assessment
- Using input from district stakeholders, develop a supportable and sustainable BYOD model for your district

- Assess your current network using leading industry tools and methodologies. This assessment may include:
 - Server Architecture Assessment
 - Network Infrastructure Assessment (Utilization, Capacity, Availability)
 - Network Wireless Assessment (1 – 2 sites)
 - Network User Activity, URL and Threat Reporting
 - VPN Connectivity Recommendations and Design
 - Support: Organizational Effectiveness and Alignment with respect to staffing structure and skills
- Collect data on your current security implementation and policies such as:
 - Perimeter Security Assessment (firewall technology and policies evaluation, vulnerabilities and external network audit)
 - Internal Security Assessment (user access levels, user/application usage, threat reporting)
 - Device security, power and print requirements
- Report using gap analysis methodology along with a short and long-term roadmap for reaching the required infrastructure and security practices to support your BYOD implementation.

Typical Length of Engagement: 1-4 weeks

Why IBM?

Leveraging established methodologies, tools, and deep industry and networking expertise, IBM K-12 can help you determine the optimal strategy to support your BYOD requirements.

For more information

To learn more about IBM K-12 **Network Assessment for BYOD**, please contact your IBM Marketing Representative.

For more information on all our IBM K-12 Consulting and Professional Services, visit:

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



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