



District Infrastructure Deployment

Facilitate and optimized infrastructure upgrades to help meet user requirements

Highlights

- Enhances your IT team with IBM K-12 experienced subject matter experts
 - Delivers a high quality and efficient rollout project
 - Provides on-the-job training in current technology
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Standardization has become a best practice element in school districts due to the scale and complexity of the technology infrastructure needed to support teaching and learning. Over time, technology creep occurs and your infrastructure becomes less standardized and much more difficult to support. You also want to take advantage of new technology that can lower the cost of hardware, increase network speeds and meet the ever growing demand for access to electronic resources in the schools. Eventually, your infrastructure must be upgraded.

Rolling out an updated infrastructure is a major challenge because of strict timelines, IT staff workload and limited time to train on new technology. Yet an updated infrastructure can result in higher user satisfaction, lower capital costs and reduced support requirements.

Leveraging IBM K-12 expertise to achieve desired results in a manageable timeframe

What you need is a “swat team” of experienced K-12 IT professionals to assist you in the planning and execution of updating the infrastructure in your district. This team usually consists of a Project Manager, and Active Directory, Networking and Image Specialists. We use proven methodologies, tools and industry specific skills to assist your team with this challenging project.

A typical Rollout Plan often comprises the following steps:

- **Consultation** whereby an IBM consultant and/or Project Manager from the K-12 Team will meet with your stakeholders to decide upon district standards, the imaging solution best suited to your needs, and establish an initial project timeline and responsibilities. During the project, the IBM Project Manager will develop and document all of the install procedures, facilitate meetings to ensure that all outstanding issues are resolved and communicate project updates to management.



- **Creation of Workstation Image(s)** based on an understanding of the district's software requirements and hardware inventory resulting in clean, tested images optimized for performance in your environment.
- **Network Analysis** including wired and wireless LANs, district WAN, firewall security and performance testing at each site.
- **Creation of Back-end Infrastructure** may include services such as Active Directory implementation or restructuring, creation or modification of Group Policy Objects to support schools, workstations, servers and users, virtualization of server/application infrastructure and print and profile environment setup.
- **Rollout Planning** identifies requirements around login scripts for each school, user IDs and Groups, and password standards. Planning also determines pilot school(s), team schedules, school deployment priorities, standalone software requirements and other school specific requirements.
- **School Onsite Rollout** includes installation of a virtual server, implementation of login scripts, imaging and testing of all workstations, importing all user IDs, migration of data and the capture of school inventory including workstation serial numbers and room locations.
- **Training for your IT Staff** on support for the new infrastructure at both the data centre and at the schools. Key areas include Active Directory, Microsoft Server and Workstation OS and Virtualization.



Typical Length of Engagement: 4 – 12 months

Why IBM?

Having worked with K-12 IT environments of varied sizes and complexities across Canada, IBM K-12 has decades of experience in infrastructure architecture, design and implementation. Our best practices developed from our many projects give us the insight to help you implement your school rollouts efficiently while significantly reducing the risk of project failure.

For more information

To learn more about IBM K-12 **District Infrastructure Deployment**, 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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