

Virtual Desktop Solutions for K-12

Overview

With nationwide initiatives to leverage technology to facilitate collaboration and better teaching practices, the demands for desktop computing have never been higher in the classroom. At the same time, school district budgets for PC refresh programs are an ongoing struggle. It is this dichotomy that has led K-12 institutions to the forefront of deploying alternative desktop solutions, specifically virtual desktop infrastructure (VDI). K-12 IT organizations need solutions that support the vision of improving education through technology, and at the same time are affordable and require minimal resources for deployment and ongoing management.

The Solution

VDIworks offers a simple, scalable VDI software solution that's ideal for educational institutions, enabling K-12 IT teams to deliver a powerful desktop experience to students and faculty at a fraction of the cost of traditional desktop computers. At the same time, security and manageability are improved through centralization of critical data and infrastructure.

Through the power of virtualization, VDIworks provides students and instructors with remote access to educational materials on demand. No longer confined to the location and capability of a single desktop, users can access whatever desktop or application they need from virtually anywhere – in a classroom, at the library, at a restaurant, while traveling, or at home. Never before has it been so easy to transition to virtual desktops – whether you're facing a Windows upgrade or a hardware refresh, VDIworks has the ideal solution for educational computing. The VDIworks software is the most complete and easiest to use integrated virtual and physical desktop management platform on the market.

Key aspects of the VDIworks solution include:

- **Connection Brokering** - VDIworks includes sophisticated connection brokering technologies that allow the right user to connect to the best available resources at the right time. Going beyond existing products, VDIworks incorporates software-based load balancing, session switching and extensive monitoring of all active virtual desktop sessions on your network.
- **Remoting Protocols** - With VDIworks broad support for high performance remoting protocols you can discover, broker and manage any mix of RGS, PCoIP, or RDP technologies.
- **Centralized Management** - With VDIworks, IT Administrators can manage and provision their entire desktop infrastructure from a single console, with advanced technologies like IPMI, WMI and AMT remote-control, you can stop spending your time and money travelling from site to site and focus on fixing problems quickly and easily.
- **Data Security & Privacy** - Users can be prevented from walking away with corporate data through VDIworks Mass Storage Lockout (MSL) endpoint security features. Data security & privacy are strengthened by moving data traditionally stored on desktops to the secure environment of a datacenter.
- **Energy Savings** - VDIworks desktop virtualization delivers up to 90% savings in power consumption, letting you "go green" instantly.
- **Application Delivery** - With "follow me" functionality, device-based and user-based mappings, the VDIworks connection broker delivers your desktop and apps whenever and wherever you need them.
- **Vendor Agnostic** - VDIworks removes vendor lock in by enabling an agnostic approach to VDI, and the integration of leading Hypervisor APIs provides seamless management of Hyper-V™, XenServer™ and vSphere™ VM's.



Availability

Mobility

Manageability

Simplicity

Security

Benefits

VDIworks allows administrators to reduce time spent managing desktops deployed throughout large campus deployments, single building deployments, multi-location campuses, and remote learning facilities. With distributed campus scenarios becoming commonplace, there are significant obstacles in reducing desktop management overhead.

VDIworks helps school districts streamline both capital and operating expenses. IT teams can purchase thin clients instead of traditional, more costly desktop PCs and terminals, and/or convert legacy systems into thin clients. Administrators can securely support and embrace new initiatives such as bring your own device (BYOD) policies that further help defer PC costs. By separating applications and data from end-user devices and storing them in easier-to-manage data centers, district IT teams can also use virtualization to drastically reduce operating costs. VDIworks solutions also allow K-12 organizations to leverage existing investments in licenses for operating systems and virtualization software (hypervisors).

VDIworks brings the following benefits to K-12 organizations:

Availability

- Non-stop access to the virtual desktops with fast single sign on login
- Desktops that follow students and staff as they change locations
- Increased uptime through centrally managed desktops (administration, upgrades and maintenance)

Mobility

- Connectivity to virtual desktops through any endpoint devices by roaming staff
- Improved student learning through virtual desktop capabilities
- Secure access of personal devices

Manageability

- Full management of all hardware components
- Reduced overhead in ongoing management of desktops
- Single pane of glass management

Simplicity

- Seamless end user computing experience
- Easily manage student, faculty and administrative desktops
- Deploy quickly and scale out seamlessly

Security

- Centralized virtual desktops reduce attack vectors
- Ensured regulatory compliance and data privacy
- Failover protected student data and applications



The result of a successful VDI deployment is lower total cost of ownership (TCO). For budget-conscious schools, these savings are critical. But lower cost is just the beginning. Virtualization can also help improve education delivery and information security.

For more information about VDIworks K-12 solutions, please visit www.vdiworks.com, or send email inquiries to info@vdiworks.com.