



Virtual Bridges VDI for K-12

Introduction:

Challenged with limited budgets and IT personnel, K-12 organizations are under increasing pressure to maximize the value of existing investments while supporting the content-rich, collaboration tools that are shaping the minds of students today. From interactive white-boards to virtual field trips, the technology inside classrooms is more sophisticated than ever, placing increasing performance, security and management demands on the network and IT staff.

With innovative virtual desktop management and provisioning solutions, Virtual Bridges solves this challenge, enabling IT to balance budget constraints with increasingly rapid changes in technology. Virtual Bridges VERDE for K-12 improves efficiency, delivers labor and support savings, extends PC life, improves security and control, and simplifies management across classrooms and schools.

Key Capabilities of Virtual Bridges VERDE for K-12

Virtual Bridges VERDE is designed for school districts wrestling with budget constraints, aging desktops, small support staffs and increasing technology demand.

Use Virtual Bridges VERDE for K-12 to:

Eliminate the need to track, maintain, upgrade, repair and keep virus-free all the desktop and notebook computers scattered across the district. Operating systems and applications are maintained in a central location, managed by IT staff from a single console. Users can access virtual versions of their desktop from anywhere. Personal items such as documents, settings and bookmarks are stored separately, delivering a fully personalized desktop. It's fast, it's secure and it time and manpower savings are significant.

Extend the life of older desktops. Shift processing power to a central server and eliminate the need to continually update desktops with new and more powerful PCs.

Reduce time and resources required to install, manage and maintain PCs. Virtual Bridges VERDE "takes care of itself." A single installed image is used across a broad range of software, including various iterations of Windows, Linux and Apple operating systems. It's now easier than ever to install, manage and maintain PCs.

Provide greater flexibility to students and teachers. Users can access to desktops regardless of location or device. Students can log on from home with just a browser connection and run applications on a simple home computer without the need for extensive processing power. Offline VDI capabilities push processing power to the client level. Students and faculty can continue to work even if the connection is lost, the desktop remains available.

Support teachers' increasingly sophisticated use of technology. Districts can continue to use PC's already in place to support video presentations, virtual field trips and complex lab setups that require extensive computing power and management. IT can manage and control complex applications and users from a central server and management console.



On average, Virtual Bridges education customers save \$400 per desktop and reduce their OPEX spending up to 50 percent due to centralized management provided by VERDE.

VERDE K-12 features:

- Monitoring and management of desktops across online, offline and branch environments
- High-definition multimedia support
- Automatic bi-directional sync for true mobility
- Advanced cloud branch capabilities including disaster recovery and business continuity

Benefits:

Virtual Bridges VERDE is changing the way districts manage desktops. K-12 organizations enjoy:

- Simplified management of technology across classrooms, labs and campuses
- Improved control and security
- Increased savings achieved by extending the life of valuable hardware investments
- Flexible and reliable access to desktops where students can continue to learn regardless of where they are – school, library or home
- Significant savings in both CAPEX and OPEX spending.
- Reduced total cost of ownership - up to 30 percent less than competitive solutions

About Virtual Bridges

Virtual Bridges VERDE is the first purpose-built desktop management and provisioning solution that leverages virtualization to deliver desktops either on-premises or in the cloud. VERDE's VDI Gen2 solution helps enterprises transform desktop TCO by simplifying desktop management, improving security and compliance, and increasing organizational agility for online, offline and branch environments. For more info visit: <http://www.vbridges.com>.

SYSTEM REQUIREMENTS

Standalone or Cluster, in Data Center or Cloud Branch

- 64-bit Intel Xeon or AMD Opteron processor(s) with Intel VT or AMD-V
- 4GB RAM minimum
- 100GB local storage minimum, plus access to shared storage if clustered
- 1Gbps Ethernet port minimum
- Ubuntu Linux Server 10.04, RedHat Enterprise Linux 6, or SUSE Linux Enterprise Server 11

Actual CPU core, memory, and disk capacity depends on concurrent virtual desktop deployment size.

VERDE LEAF

Managed Local Process and Disconnected Use

- 64-bit Intel or AMD processor with Intel VT or AMD-V technology
- 2GB RAM minimum (3GB or more recommended)
- 32GB local storage minimum (internal hard disk or portable drive)
- Ethernet or wireless networking

Actual CPU power, memory, and disk capacity depends on type and size of virtual desktop(s) to run on client. Minimum requirements are okay if LEAF is used for VDI access only.

Supported Virtual Desktops

Supporting Virtually All Desktop Applications

- Windows XP or Windows 7 (including 64-bit Windows 7)
- 32 or 64-bit RedHat Enterprise Linux 5 (or CentOS 5.x)
- 32 or 64-bit RedHat Enterprise Linux 6