



VIRTUAL DESKTOP INFRASTRUCTURE ON VBLOCK SYSTEMS

Virtualization simplifies desktop management
and sparks innovation.

- **AUTOMATE VDI deployment and rapid desktop provisioning**
- **IMPROVE desktop security, performance, and scalability**
- **LOWER desktop administration costs with centralized management**

Organizations are looking for ways to reduce the growing costs and complexity of managing the increasing number of end user devices that are proliferating within the workplace. With so many new types of devices used in and out of the office, data security and 24/7 desktop availability take on new dimensions. Complying with the privacy regulations around the world — such as Sarbanes-Oxley, the Healthcare Insurance Portability and Accountability Act (HIPAA), and the European Union Privacy Regulations — adds to the security, archiving, and disaster protection challenges.

With Virtual Desktop Infrastructure (VDI), IT can manage client desktops centrally and achieve:

- **Reduced costs and complexity** through centralized provisioning and management of desktop applications and user accounts.
- **Increased Security** through centralized control of sensitive data and the ability to separate company and personal desktops.
- **Consistent User Experience** through the deployment of uniform high performance architecture.

Vblock™ Systems from VCE provide an enterprise-class IT infrastructure for VDI rollouts. Tight integration with VMware operating system and applications means that Vblock systems provide the response times, security, availability, and agility IT requires. Factory-integrated systems accelerate deployment and provide performance at scale for the most demanding applications. VCE has further simplified VDI by delivering Vblock™ FastPath Desktop Virtualization Systems. These purpose-built solutions simplify purchase, streamline provisioning, and lower deployment risk.





Why Vblock Systems are Ideal for VDI

Vblock Systems are designed for the next generation data center — where IT as a Service becomes a reality. They combine high performance technology with ease of management features to optimize applications and lower Total Cost of Ownership (TCO). VCE integrates and tests systems in-factory to deliver predictable performance. And VCE has engineered a powerful VDI solution — the Vblock FastPath Desktop Virtualization System that provides rapid provisioning and decommissioning of virtual desktops, modular scalability, and a resilient and validated architecture.

The Vblock FastPath Desktop Virtualization System includes:

- **VMware View** is the industry's leading desktop virtualization platform from VMware and the only solution built expressly to deliver desktop as a service.
- **Vblock FastPath Deployment Wizard** automates essential tasks to speed deployment and reduce errors. It includes system initiation, network identification, and the ability to ensure that traffic is properly directed and authenticated. It also sets up storage, including initialization of clustering and database system, installs VMware View, configures the connection server, and loads the golden image.

- **(Optional) An “always on” feature for healthcare environments**, the VMware AlwaysOn Point of Care solution on Vblock Systems, allows clinicians and staff to achieve the continuous level of availability they demand. In a typical IT environment, only the production environment is backed up. But with an Active-Active desktop environment running identical desktop images, even if there is a failure at the primary site end users can promptly access their desktops and applications.

Benefits of the Vblock FastPath Desktop Virtualization System include:

- **Rapid provisioning of infrastructure and desktops:** An intuitive graphical user interface (GUI) handles system initialization and configuration tasks in a zero-touch manner to ease system setup. Provisioning can be done in just over an hour instead of over the course of several weeks.
- **Modular and scalable virtual desktop growth:** Vblock Systems are designed to scale up and out so that IT can add compute, networking, and storage resources as the business grows.
- **Resilient and validated architecture:** The solution allows administrators to accommodate unplanned events, such as spikes and boot storms, to ensure high availability and a consistently high performance VDI user experience.
- **Centralized security and manageability:** IT can reduce costs while improving the manageability and security of user devices and data.



Choosing the Right Vblock System for Your VDI Solution

The Vblock FastPath Desktop Virtualization System can be deployed on Vblock System 300 or Vblock System 700, which are each designed to address a wide spectrum of virtual machines, users, and applications.

- **Vblock™ Series 300** is an agile and efficient data center-class system that features modular, scalable performance. It has a high-density, compact fabric switch; integrated fabric-based blade servers; and best-in-class unified storage. Simplified provisioning allows IT professionals to marshal resources quickly and efficiently.
- **Vblock™ Series 700** is an enterprise-class, mission-critical system for the world's most demanding workloads and service levels. It features the best director-class fabric switch, most advanced fabric-based blade server, and most trusted storage platform.

The Vblock FastPath Desktop Virtualization System comes in three different bundles to address the needs of test and development activities and production in enterprise environments with 1 to 1,500 desktops per Vblock System. The solution can be custom configured and deployed for one to 5,000 users with a single instance.

Customer Case Studies

A large European bank sought to improve customer experiences at branches, where desktop boots took as long as 15 minutes, impeding employee productivity. The company also wanted greater business agility to meet the mandates of regulators calling for the separation of financial services and insurance operations. The institution deployed Vblock FastPath Desktop Virtualization for 20,000 desktops, greatly increasing branch productivity. Employees can retain the same sessions on their mobile devices as they move about the offices to serve customers. Log-in times were reduced to seconds. Thin clients are being introduced for remote access from the home and for mobile devices like the iPad.

One large North American bank looked to VDI to improve security and streamline IT processes. They rolled out a VDI solution based on the Vblock FastPath Desktop Virtualization System to 500 users in three weeks, months ahead of their competition. The VDI solution supports a diverse environment of desktop terminals, laptops, and tablet computers and can scale to 5,000 virtual desktops. Now, proprietary data that had been stored on laptops is stored in a central location where IT easily can ensure data protection best practices.

The Vblock FastPath Desktop Virtualization System reduces the time required to test and deploy VDI solutions through automated provisioning and deployment.



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