

NxTop™ PC Lifecycle Management

Centralized Virtual Desktop Management for Corporate PCs



Virtual Computer's NxTop combines a groundbreaking client-side virtualization platform with powerful central management to make PCs more manageable, reliable, and secure, while also improving the end-user experience. NxTop uses advanced virtualization technology to isolate the PC's hardware, operating system, applications, and user data, allowing each to be managed independently.

NxTop is designed for IT administrators, providing a one-to-many management approach that makes it as easy to manage a thousand PCs as it is to manage one.

At a Glance

Type I bare-metal hypervisor provides true isolation and no-compromise system performance.

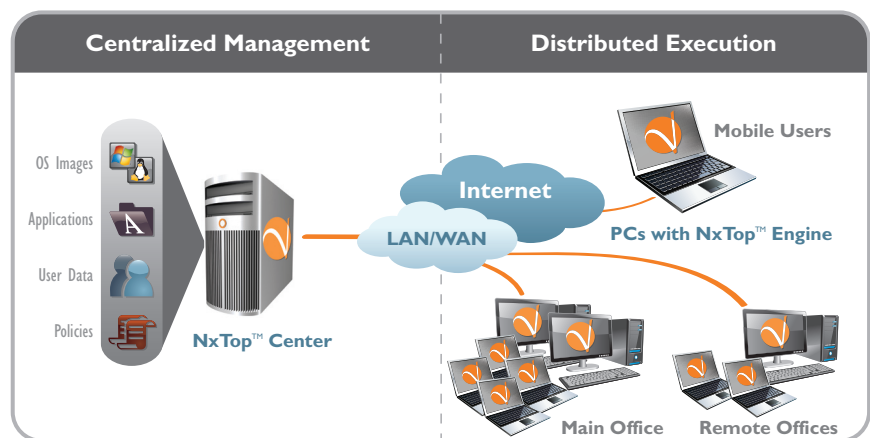
Centralized virtual desktop management dramatically simplifies PC configuration management and patching.

Integrated data backup and restore efficiently protects against data loss without user interaction.

Layered security model combines trusted boot, disk encryption, and data-leakage prevention to protect sensitive data.

Multiple concurrent virtual desktops enable advanced XP/Vista compatibility mode and corporate/home desktop isolation.

Desktop Virtualization Without Compromises



NxTop Untangles Your Corporate PCs

Most corporate PCs are a tangled collection of hardware, operating system, applications, and data. Legacy management agents layered into Windows perform functions such as antivirus, software installation, patching, and data backup, but have proven to be limited in their effectiveness and disruptive to end-users. NxTop eliminates agents by isolating the core components of a PC so they can be managed from outside the operating system. The result: greater efficiency, scalability, and security for IT departments and a better computing experience for the end-user.

A True End-to-End Solution

Unlike point desktop virtualization solutions, NxTop includes everything an IT team needs to regain control of its managed PCs. The NxTop platform consists of:

- NxTop Engine: A bare-metal hypervisor and management control framework capable of running and servicing virtual desktops directly on PC hardware.
- NxTop Center: A feature-rich management console in which IT administrators centrally create, manage, and maintain virtual desktop environments.

KEY FEATURES

True Bare-Metal Desktop Virtualization

- **Performance without compromises.** By eliminating the need for a host operating system and employing a unique input/output architecture, NxTop Engine's performance is indistinguishable from traditionally installed operating systems.
- **Complete virtual machine isolation.** Unlike virtual machines running on top of untrusted operating systems, NxTop virtual machines are completely isolated from one another. Malware in an unmanaged Windows desktop does not compromise a managed NxTop virtual machine, even on the same hardware.
- **Disconnected operation.** Before NxTop, the efficiency and security benefits of virtual desktops were limited to server-hosted approaches using tethered thin clients. NxTop virtual machines run directly on the PC, enabling disconnected virtual machines on notebook PCs.
- **Hardware Abstraction.** NxTop presents a consistent set of virtual hardware to the end-user operating system, simplifying migration of users to new hardware platforms. Driver management and other hardware-specific compatibility challenges are eliminated.

Centralized Virtual PC Image Management

- **One-to-many desktop provisioning.** NxTop Center provides a central console for all desktop management activities. IT teams create and maintain a single virtual machine per operating system that can be published to thousands of users. User-specific personality, data, settings, and applications are applied dynamically on NxTop Engine before the virtual machine runs.
- **Scalable offline desktop patching.** Patches and updates are applied on a one-to-many basis. The IT administrator applies patches once to a master virtual machine running on NxTop Center. Upon republishing, the changed data blocks are streamed to NxTop-enabled PCs running the updated virtual machine. A patched image is assembled in the background and transparently loaded on the next reboot.
- **Granular policy controls.** IT administrators can protect against data leakage and unauthorized use through a robust set of policy controls. Access to hardware such

as USB ports and network interfaces can be restricted or filtered based on centrally defined policies at global, group, and individual-user levels. Virtual machines can be governed by time-based expiration policies and on-demand remote disablement.

Secure By Design

- **Tamper-proof computing platform.** NxTop Engine features a trusted boot process that prevents the PC from booting if it has been tampered with.
- **Disk encryption.** All virtual machine and system data on NxTop-enabled PCs is encrypted, providing peace of mind in the event that a PC containing sensitive data is lost or stolen.
- **Remote termination with lost-data destruction.** As an added layer of security, IT administrators can flag lost PCs for remote termination. If a lost or stolen PC connects to a network, it is directed to digitally shred all data and encryption keys, then self-destruct.

Hassle-Free Data Backup and Restore

- **Transparent data protection.** Based on centrally defined policies, NxTop Engine periodically initiates PC data backup with no end-user interaction required.
- **Efficient data transmission.** NxTop backup technology captures changes at the block level, transmitting only the blocks that have changed to NxTop Center.
- **Point-and-click system restore.** The combination of central virtual-image management, data backup, and hardware abstraction dramatically simplifies re-provisioning of users in the event of a lost or failed PC. Simply register a new PC — even a completely different hardware platform — and with a few mouse clicks the user is running the exact desktop environment as of the last time they connected to a network.
- **Easy-to-use file restore.** Lost or corrupted end-user data files can be easily recovered. IT administrators can centrally restore user documents and files or end-users can be granted the power to restore files themselves.

