



## LANDesk® Application Virtualization

Simple, Trouble-Free Application Deployment and Use



*“And app-support groups often must provide tech support for multiple app versions that, by design, can only be installed once per machine. This is where app virtualization can help: It lets you easily distribute apps and run multiple versions of one app on the same machine.”*

— “Escape DLL Hell”  
Network Computing  
August 2006

## Seamlessly Run Multiple Applications

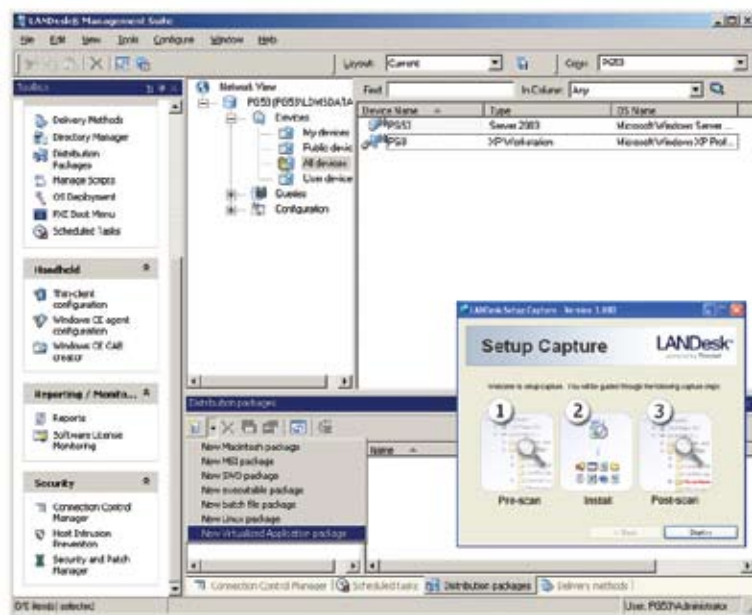
Deploying new applications can be a hassle. You’re never sure whether or not you’ll “break” your environment, or if you do “break” it, how quickly and effectively you’ll be able to roll it back to a predeployment state. You can end up impacting user productivity—not to mention happiness—and fielding numerous complaints. Worse, you may have to stop and do regression testing to fix problems created by new applications. And you may have to spend time and budget to create a testing environment.

### LANDesk® Application Virtualization: True Application Isolation

LANDesk® Application Virtualization gives you the power to create virtual applications using true isolation capabilities and:

- Minimize OS migration risks and hassles—including for Microsoft Vista—with true isolation for testing before you implement.
- Save time with easy, client-less, conflict-free application deployment and rollback.
- Reduce costs for support and regression testing by delivering fully tested applications to users—the first time.
- Improve user satisfaction by reducing application conflicts and other problems.
- Reduce infrastructure requirements and costs with no client or server components to manage or maintain.
- Improve enterprise security with the power to transparently run applications in user-mode on locked-down PCs.

LANDesk Application Virtualization enables your enterprise to seamlessly run multiple applications—even different versions of the same application—on individual systems without installing anything on or making changes to a client’s registry and file system, without installing agents on the client or a server, and without installing device drivers. You give your users conflict-free access to the applications they need while maintaining secure, clean, stable user desktops and complete control over your enterprise systems.



Use LANDesk® Application Virtualization by itself or in combination with the software distribution and inventory capabilities of LANDesk® Management Suite.

## Minimize Migration Risks and Hassles

With LANDesk® Application Virtualization, minimize the risks and hassles of migrating to new operating systems and applications—including Microsoft Vista—by easily testing new operating systems with applications in isolation before you implement anything. Also instantly run applications across different Windows operating systems without any file or path name conflicts. For example, run virtualized Microsoft Office 2000 applications on a system running Windows Vista without any changes required.

## Access Client-Less, Conflict-Free Application Deployment and Rollback

Use LANDesk® Application Virtualization to create a simpler application installation and maintenance process—one that makes it easy to avoid application conflicts and roll back to a predeployment state almost instantly. A client-less approach gives you true isolation capabilities. You can package, distribute and execute any Windows application as a single .EXE file on the host PC or LAN server. No installation or changes to the local desktop's registry and file system are needed.

You eliminate application conflicts because LANDesk Application Virtualization runs each application in its own environment. Two versions of the same application can run on the same PC without conflicts, even where virtual and non-virtual versions exist. There's no need to redevelop applications or upgrade to a new OS.

## Reduce Support and Regression Testing Costs

Using LANDesk® Application Virtualization, you can save on the thousands of dollars most companies spend per desktop per year managing applications. And you save on the cost of maintaining secure, locked-down desktops. You reduce or eliminate the time needed for regression testing and analysis of end-user support requirements in order to minimize the downtime caused by Dynamic Link Library (DLL) and other application conflicts. And you alleviate the costs of the intensive planning and user support needed for new applications.

## Eliminated Infrastructure Needs

With LANDesk® Application Virtualization, you can run applications from any device—a desktop, LAN, WAN, USB drive and so on—no client or server software is needed. You can stream large applications from any networked storage device without server software. You eliminate the need to create machine silos for specific applications and can consolidate your terminal and MetaFrame servers. It all adds up to a reduction in the costs and resources needed to manage or maintain client and server components.

## Improve Enterprise Security

With LANDesk® Application Virtualization, run virtualized applications entirely in user-mode on locked-down PCs and maintain secure, clean, stable user desktops. No kernel-mode code or device drivers are needed. You have full assurance that local security policies can't be violated by kernel-mode calls. By building administrator rights directly into the application package, you eliminate the need to grant applications administrator privileges on the machine. And sandboxing capabilities let you prevent modifications and store mobile users' sandboxes on local USB flash drives or network shares to prevent damage to your host systems.

Use LANDesk® Application Virtualization as a stand-alone solution. Or use it with LANDesk® Management Suite, which helps you proactively see, manage, update and protect your IT systems from a single console with:

- Enterprise scalability.
- Exclusive secure systems management over the Internet.
- Software license monitoring capabilities.
- Ultra-efficient software distribution technologies.
- OS deployment and profile migration technologies.
- Remote control and problem resolution capabilities.
- Inventory management capabilities.
- Heterogeneous support for desktops, laptops, mobile devices and multiple operating platforms.

Using LANDesk Application Virtualization with LANDesk Management Suite, you can package and deploy your virtualized applications to thousands of computers in under an hour. Plus you can access inventory capabilities that let you easily discover and inventory users' virtual applications.

# Key Features

## True Isolation

- Isolates the application from the OS without device drivers, back-end servers or desktop agents; applications talk to the OS, but don't see other isolated virtual applications.
- Allows for applications—even two versions of one application—to run from the same system without conflict.
- Packages the entire runtime environment in a self-contained executable that requires no installation, system modifications or elevated security privileges.

## Client-Less Architecture and Instant Zero-Footprint Deployment

- Loads and initializes in a fraction of a second, even when the packaged .EXE is gigabytes in size or located on a network share.
- Allows applications to run from any LAN, WAN, USB drive or CD-ROM—no client agents, device drivers or back-end support servers required.
- Lets you enable users to launch an application from a local shortcut, network share, URL or e-mail link.
- Streams large applications from any networked storage device without added server infrastructure requirements.
- Lets you roll back to a predeployment state without impact or a reboot.
- Improves performance by decompressing blocks of data directly into memory—no local PC disk cache required, reducing needed bandwidth two to three times.
- Supports Microsoft Office, out-of-process COM, services-based COM, manifest policy processing and side-by-side DLL resolution; Microsoft Word can be loaded and running in under a second.
- Consolidates terminal and MetaFrame servers to eliminate the need to create machine silos for specific applications.
- Instantly runs applications across different Windows OSes without any file or path name conflicts.
- Supports virtualized applications on all 32-bit Windows platforms—NT, 2000, XP and Vista—without installation, drivers, reboots or administrator access.

## Security

- Runs applications exclusively in user mode with no kernel-mode code or device drivers:
  - Makes it virtually impossible to crash a system.
  - Requires no additional privileges to run an application.
  - Prevents local security policies from being violated by kernel-mode calls.
  - Eliminates conflicts with the Windows Vista User Account Control mechanism.
- Ensures system stability by limiting application changes to specific user-mode sandboxes.
- Lets you build rights directly into the application package, eliminating the need to give applications administrator privileges.
- Lets you use Active Directory to limit access to specific sets of users.

## Sandboxing

- Redirects application changes to an isolated per-user, per-application sandbox, protecting the host PC from modifications.
- Stores sandboxes locally or on a network share, so users can take application settings from machine to machine.
- Allows applications to be rolled back per-user.

## Integrates with LANDesk® Management Suite

- Lets you create and deploy packages to thousands of computers in less than an hour by using LANDesk® Targeted Multicast™ technology to deploy virtualized applications as if they were simply large document files.
- Conserves hard drive space by deploying virtualized applications to high-speed network subnets at branch offices; users can stream compressed applications directly into memory from the LAN, no local installation or caching is required.
- Lets you discover and inventory user virtual applications.

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