

VMware ThinApp

Run Any Version of Any App on a Single OS Without Any Conflict

AT A GLANCE

For enterprise desktop administrators managing physical and/or virtual desktops, VMware ThinApp application virtualization software lets you run any version of any application on a single operating system without any conflict. VMware ThinApp works without the need for client agents or backend servers, making application delivery faster, less costly and conflict-free.

BENEFITS

- Eliminate application conflicts and reduce support costs.
- Accelerate and streamline the development and delivery process.
- Leverage and enhance existing infrastructure and management tools.
- Deploy portable applications to virtually any PC (Physical & Virtual), thin client or USB stick.
- Lock down endpoint PCs without restricting the use of critical applications.

How is VMware ThinApp Used in the Enterprise?

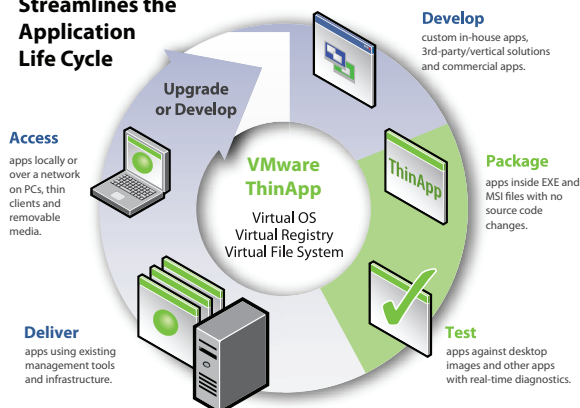
- **Streamline Software & OS migrations.** Migrate to new operating systems without upgrading or replacing legacy applications, run newer applications on legacy operating systems (Windows NT and above), and support multiple versions of the same application on the same PC.
- **Augment security and compliance.** Lock down corporate endpoints by running applications in user mode without locking out users and create policies that travel with the application wherever it is deployed or used.
- **Simplify application packaging and testing.** Package applications in standard EXE and MSI files with no required source code changes, and streamline regression testing with sandboxing and snapshot capabilities.
- **Accelerate software development and QA.** Solve complex application packaging and compatibility issues such as Java versioning, Vista compatibility, and .NET client rollouts.
- **Enhance VDI deployments.** Place applications outside of desktop images to reduce storage costs, and consolidate multiple instances of applications that can be accessed from either a single purpose virtual image or a few number of virtual machines to reduce OS, workload, and network costs.
- **Improve terminal services.** Eliminate conflicts by virtualizing terminal service client agents and stream applications quickly to end users on thin clients without the hassles of application sharing.
- **Enable workforce mobility.** Run applications directly from USB smart drives without installation, host OS modifications, or the need for administrator rights.

How Does VMware ThinApp Work?

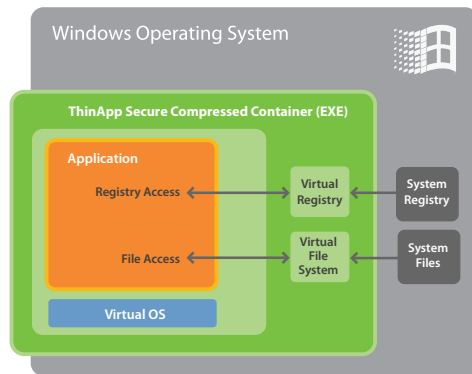
VMware ThinApp simplifies application delivery by isolating applications from the underlying operating system and plugging directly into existing virtual and physical desktop management tools and infrastructure. ThinApp encapsulates applications inside a Virtual OS that transparently merges a virtual system environment with the real system environment while providing the following services:

- **Process loading.** The Virtual OS loads a starting EXE file from the Virtual File System and allows it to execute any other EXE directly from the Virtual File System or from the normal file system.
- **DLL loading.** The Virtual OS loads any DLL dependencies the EXE/DLL/OCX files may have directly from archive when instructed.
- **Thread and process management.** The Virtual OS tracks all processes and threads created inside the virtual machine including out-of-process COM and utility applications.

VMware ThinApp Streamlines the Application Life Cycle



KEY FEATURES



The VMware ThinApp Virtual OS uncouples applications from their underlying host operating system.

100% Agentless Application Virtualization

- **Virtual Operating System.** The core feature of VMware ThinApp is the Virtual OS, a unique, lightweight embedded virtual registry and file system delivers high degree of application isolation, eliminating installation and runtime conflicts while increasing application portability.
- **Zero-runtime execution.** VMware ThinApp does not leave a footprint on endpoint devices and allows applications to run directly from the compressed state without first caching data to the hard disk, enhancing performance and data security and eliminating single points of failure.
- **100% User Mode execution.** Applications packaged with ThinApp run completely in User Mode, allowing users to use and customize their applications without installation or administrative access.
- **Broad application compatibility.** VMware ThinApp is compatible with a broad range of applications, from Adobe Reader to complex applications from vendors such as Oracle and SAP (see Web site for complete list of compatible applications).

Conflict-Free Application Delivery

- **Agentless, infrastructure-free architecture.** ThinApp works without the need for additional client agents or backend servers, and it integrates seamlessly with Microsoft Active Directory, LANDesk and countless other third-party management solutions
- **VMware VDI compatibility.** ThinApp makes a perfect complement to VMware Virtual Desktop Infrastructure, and applications packaged with ThinApp can easily be deployed and managed on centralized virtual machines in the datacenter.

- **Sandbox environments for terminal services.** VMware ThinApp has been successfully implemented over the ICA protocol in Citrix Terminal Services environments, and applications packaged with ThinApp can be sandboxed to run in a terminal services environment so that multiple users can run their own sandboxed VMware ThinApp applications.
- **Block-by-block memory streaming.** Applications virtualized with ThinApp execute as soon as the minimum amount of code required to run the application is available on the desktop in memory. For example with the Oracle CRM client (950MB), only 350MB of the application needs to be physically streamed to the client in order for it to run.
- **Application Sync.** This feature, unique to ThinApp, updates virtual applications via file share/http/https over the LAN or WAN and leverages existing software delivery systems, making it easier to deliver application updates to mobile users and third parties on the corporate extranet while helping to ensure compliance with configuration policies and reducing patch risks to machines that are taken "off the network."

Simplified Application Packaging

- **Application Link.** Allows applications packaged using VMware ThinApp to dynamically establish dependencies ("links") with other VMware ThinApp applications. In addition, ThinApp lets IT administrators leverage existing tools to inventory and track each application component for improved software license management of virtual applications.
- **Flexible packaging options.** ThinApp encapsulates entire applications within a single EXE file, or as an MSI package with group policies and WMI registration.
- **System snapshots.** Capture and save pre- and post-install system states to simplifying the packaging process while ensuring support for applications that require a reboot during the installation process.
- **ISV embeddable.** ThinApp enables independent software developers and organizations to package their applications into a single self-contained EXE to ensure their application will run without conflict, and without even requiring installation.

24x7 Gold and Platinum Support

VMware offers enterprise-class support to all VMware ThinApp customers. For customers that require additional services, VMware also offers a two-day jumpstart engagement on best practices and getting started with your ThinApp deployment.

Find Out More

For information or to purchase VMware products, call 1-877-4VMWARE (outside of North America dial +1-650-427-5000), visit www.vmware.com/products, or search online for an authorized reseller. For detailed product specifications and systems requirements, please refer to the ThinApp install and configure guide.