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# LANDesk Application Virtualization

Next Generation Software Deployment











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# Agenda

- Virtualization overview
- The LANDesk Solution
- Application Virtualization compared
- Additional Resources

# The Virtualization Market

Server-based Computing	Application Virtualization	Virtual Systems Software	Virtual Systems Hardware
<p> Citrix Presentation Server &amp; GoToMyPC</p> <p> Microsoft Terminal Services</p> <p> Citrix Tarpon</p>	<p> LANDesk Application Virtualization</p> <p> Altiris Software Virtualization Solution</p> <p> Microsoft Softgrid</p>	<p> VMware ESX, Workstation, &amp; Server</p> <p> Microsoft Virtual PC &amp; Server</p>	<p> Intel virtualization technology "Vpro"</p> <p> AMD virtualization technology (Pacifica)</p>

# Why are customers using Application Virtualization?



- **Simpler installation and maintenance process** as there is only one file to copy to the PC or LAN server.
- **Faster application deployment** with less regression testing
- **No application conflicts** as each application runs in its own environment.
- Ability to run **different versions of the same application** on the same PC
- **Applications independent of target environment** as required components (Eg .Net and Java) can be packaged with application
- Allows applications to **run in "user mode"** on locked down PCs
- Smooth migration to **Microsoft Vista**
- **Reduced support costs** as users encounter fewer problems
- **Improved user experience** as users encounter fewer problems

# What is LANDesk Application Virtualization?



A **client-less** Application Virtualization solution allowing any Windows application to be packaged, distributed, and executed as a **single** EXE on a host PC without installation or changes to the local desktop's registry and file system.

Unlike other solutions, LANDesk Application Virtualization requires **no pre installed software** on the client or server. Virtualized applications can run from any device such as Desktop, LAN, WAN, USB Flash, etc. using the existing infrastructure.

“Virtualized” applications **run entirely in user-mode** on locked-down PCs with no device drivers installed enabling administrators to maintain a secure, clean, and stable user desktop.

# Benefits



## »» Allows organizations to significantly reduce:

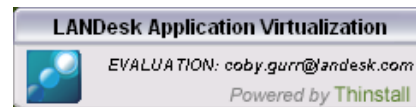
- The time and costs of regression testing
- End-user support costs and associated downtime caused by DLL and other application conflicts
- The cost of maintaining secure, locked-down desktops
- The need to create machine silos for specific applications
- The risks associated with OS or application upgrades

# LANDesk Application Virtualization Product Overview



## Main features:

- Instant zero-footprint deployment
- No device drivers or Admin rights
- Streaming capability without server or client
- Supports offline execution
- Easy to package, easy to deploy
- Virtualization & Isolation eliminates conflicts
- Sandboxing protects machines against changes
- Windows Vista Ready



# Playing Clean



## »» Clean Architecture

- No client agent or device drivers required
- The entire runtime environment is contained within the repackaged application executables

## »» Package runs entirely in user mode

- Virtually impossible for the application to crash the system
- No conflicts with Windows Vista User Account Control mechanism

## »» Portable across Windows versions

- No file or path name conflicts

## »» Runs in compressed state




- Small file size
- Improved network performance

# Sample of virtualized applications



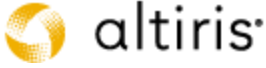


- Adobe Acrobat
- Adobe Acrobat Reader
- Adobe Illustrator CS2
- Adobe Photoshop 7.0.1
- Alias Maya 7.0.1
- Apache HTTP Server 2.2.3
- Apple iTunes 7.02
- Axialis IconWorkshop
- Citrix Program Neighborhood
- Citrix AG Admin Client
- ClarisDraw 1.0v2
- Corel Painter IX
- CorelDraw 12
- Crystal Reports
- Crystal Xcelsius Pro 4.5
- Internet Explorer 6 & 7
- Macromedia Dreamweaver
- Macromedia Flash
- Macromedia Freehand MX
- Mathcad 13
- Mathematica 5.2
- Matlab 2006
- Maya 8.0
- MS Office 97-2007
- MS Publisher 2003
- MS Visual Basic 6
- MS .NET 1.1, 2.0, 3.0
- MS Vista RDP Client
- Mozilla Firefox 2.0 & 3.0
- Mysql 5.0
- Open Office 2.0.4
- Paint Shop Pro 7
- Petrel 2005
- PGP 8.1
- Picasa
- PowerMILL Pro 7.0
- Quark Express 5.01
- SAP GUI 6.40
- SketchUp Pro 5.0
- Skype 2.5
- SmartCode VNC Manager
- Trillian 3.1
- Thunderbird
- Ulead DVD Player
- Winamp 5.32
- Windows Media Player
- WinRAR 3.61
- WinZip 11 Pro

# Competitive Overview

Company			
<b>Product</b>	<b>LANDesk Application Virtualization</b> powered by Thinstall	<b>Microsoft SoftGrid 4.0</b>	<b>Altiris SVS</b>
Application Isolation or Sandboxing	Per-Application	Per-Application	No isolation, System wide
<b>Zero footprint</b> execution?	Yes.	No.	No.
<b>Driverless</b> user-mode execution?	Yes	no	no
Client & Server Requirements	None	Requires softgrid client, softgrid server, Active Directory, Database, IIS	Requires SVS agent & Client Management Suite push technology
OS Support	Windows NT, 2000, XP & XP-Embedded, <b>Vista</b> 2000 & 2003 Server Terminal Server, and Citrix	Windows 2000 & XP, 2000 & 2003 Server <b>NO VISTA SUPPORT!</b>	Windows 2000 & XP, 2003 Server <b>NO VISTA SUPPORT!</b>

# Competitive Overview ...

Company			
Supports XPE + All Thin-clients?	Yes	No	No
USB Portable mode?	Yes	no	no
Streaming	Yes, uses standard SMB shares	Yes – Requires Softricity server	No
Supports <b>multiple client versions</b> per machine?	Yes	No. Only one version of the softgrid client can be installed at a time.	No. Only one version of the SVS client can be installed at a time.
Supports isolated Office 97, 2003, 2007, and .NET	Yes	Yes	No isolation, but does support these applications

# Additional Resources



»» [www.thinstall.com/landesk](http://www.thinstall.com/landesk)

- Whitepaper
- Press Release
- Product Sheet
- 45 day free evaluation
- Flash movies on “How to Thinstall an application...”

# Summary



LANDesk differs from other Application Virtualization solutions because it is:

- *Client-less*
- *Server-less*
- *Runs in user-mode (no drivers)*

# Thank You