



VIEWFINITY VIRTUALIZATION TECHNOLOGY REACHING BEYOND THE DATA CENTER

Technology Overview

Managing desktops in a Windows environment is challenging, costly and time consuming. It's riddled with responsibilities ranging from the tedious to those that are critical to a business' operations. Viewfinity is in the business of helping to solve these issues.

We are not just another high-tech company creating technology for technology's sake. Our virtualized technology is rich with features that help administrators solve IT problems each and every day without changing the operating environment or the end user desktop usage/environment.

Virtualization is supposed to save you time and money. Virtualization means a lot of different things, and can involve individual applications or entire desktop operating systems. Often this enables centralized management and decreased management costs, but many times the end user faces limited mobility and customization. Also, most virtualization requires additional management and administration processes that are different from the rest of your environment.

We're using virtualization to ease the burden of IT support with a focus on laptops and desktops, reaching beyond the data center — and without adding complex management processes.

Application Virtualization Encapsulation Process

Viewfinity provides a powerful approach to IT application virtualization, based upon our encapsulation technology, which packages all application, settings and data files associated with an application into Viewfinity Capsules. By encapsulating these items, Viewfinity protects the operating system from any changes brought on by the application installation process.

The encapsulation process separates applications and Windows settings from the underlying operating system and each application can be managed separately from the interaction between OS and other applications. At the same time, the software has the ability to share part of the encapsulated content among different encapsulated applications, allowing applications to interact normally with both the OS and other applications. Because of our unique approach, administrators can install and manage virtualized applications without changing the end user's expected desktop usage.

Once the encapsulation process is complete, our products introduce a unique set of features that meet the challenges facing IT departments related to managing applications on multiple distributed desktops.

Viewfinity Virtual Capsule Definition

Our encapsulation process unifies traditionally distributed application components in single manageable units, which we refer to as Virtual Capsules. This architecture offers significant benefits when dealing with daily challenges related to managing applications on distributed desktops.



A typical desktop consists of multiple distributed application binaries, registry settings, and customized elements created by users and personal data files. A Viewfinity Virtual Capsule consists of three main components: application binaries, user created settings and data files. Once encapsulated, each virtualized application operates as a manageable and movable capsule independent of the OS and is controlled by the system administrator from Viewfinity's central management console. From this console, administrators can activate an application, including icons and files, making it available to a desktop, or deactivate and disable access to the application. The application files, icons and settings appear to the user as if the application had been installed on the computer in the regular fashion. Administrators can completely remove a virtualized application from the computer, or delete the entire application footprint, or remove the application only and leave the data untouched.

Viewfinity Virtual Capsule Creation

Viewfinity Virtual Capsules may be created by encapsulating applications that are already installed and deployed, or by installing applications immediately into new capsules. The encapsulation process is completely transparent to the end user and administrator. Installation activities are intercepted by the Viewfinity Agent and all the application files and registry settings are placed into the Virtual Capsule.

Desktop Application Life Cycle Management

Viewfinity's virtualization technology helps organizations better manage all phases of the lifecycle for Windows-based computers, from a desktop setup to its decommissioning stage. Daily laptop and desktop management activities such as delivery, support, maintenance, compliance and migration/mobility tasks are performed easier and more efficiently in the Viewfinity virtualized environment.

The information below highlights some of our key features and how Viewfinity's encapsulation technology helps to better manage various phases of the laptop and desktop lifecycle.

Activity Recording

Encapsulation presents precise, meaningful laptop/desktop events in easy-to-identify markers for any defined period of time. IT administrators can easily search the desktop activity journal by application or keyword to pinpoint specific issues and desktop events. For each desktop, we are:

- Recording all changes in the file system and registry
- Aggregating low-level events into easy-to-identify markers, such as "Start process notepad.exe", "Update file a.doc", "Change configuration of PowerPoint", etc.

Rollback

Encapsulation allows for pinpointed action/activity rollback of user personality or complete system restore using aggregated markers of events. Encapsulation allows for exact activity rollback (not just to a specific day) and only impacts the specific action being reversed.

Block Application

IT Administrators may establish policies that identify applications (by group if needed) that should be blocked from executing on corporate desktops and laptops. Configure multi-level "block" policies at a granular level; on/off the corporate network, time of day, group, department, individual user, application(s), or any combination of these variables. Policies can be set for multiple combinations software such as Skype, ICQ, Yahoo Messenger, AOL, etc. Policies can also be flagged to unblock usage of specific applications while the end user is not connected to the corporate network.



Application Lockdown

Offers enterprises the capabilities needed to provide a secure environment with the added benefit of flexible, granular application-level enforcement and automated policies management. Set protection policies per application or group of applications, while still maintaining the capability to customize all other common desktop applications.

Elevate Privileges

Manages and assigns administrative privilege permissions to specific applications per desktop or group of users without granting full administrative rights to the desktop/users. Other than applications identified and flagged for elevated privileges, the desktop operates within the least privileges mode.

Remote Terminal

Virtualization is always in effect, so whether online or offline from the corporate network, you can access laptops and desktops remotely. Remote terminal uses SSL (HTTPS) protocol ensuring that your privacy is secured and protected.

Asset Inventory

Dynamically collects an accurate and real-time inventory of your entire computing infrastructure along with associated procurement details enabling you to make informed decisions about your IT investments.

Every Day Practical Benefits of Viewfinity's Virtualization Technology

- **Encapsulated**
 - Separates applications from OS and Windows settings into self-contained capsules
 - Eliminates contamination of OS files/registries and prevents conflicts
- **Fully Transparent**
 - Does not require changes to the existing IT infrastructure, user experience or day-to-day IT operations
 - Removes risk of user-adoption issues
- **Desktop-Aware**
 - Works with existing and new deployments
 - Removes the need to redeploy existing applications
- **Completely Automated**
 - No application packaging necessary
 - Diminishes manual deployment processes and extends to self-installations
- **Mobility-Optimized**
 - Virtualization is in effect beyond the corporate network, whether online or offline
 - Enables effective, actionable management of laptops and branch offices

