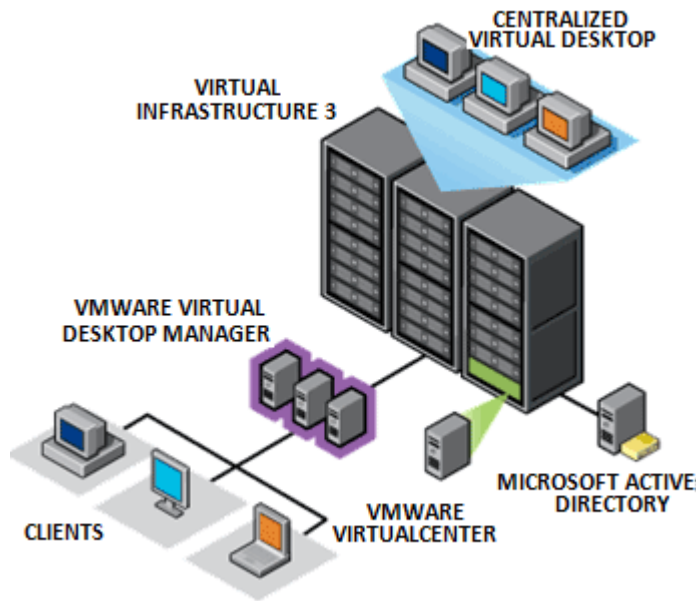


# Virtual Desktop Infrastructure Foundation

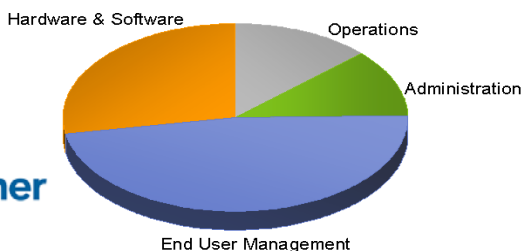


## Background:

- **Growth:** IDC forecasts the worldwide annual market for virtual desktop software to exceed \$350M in 2008 and grow to \$1.1 billion in 2011.
- **Management:** The new server-hosted VDI offers most of the benefits of a traditional PC but with added benefit of greatly-reduced management costs. - Butler Group
- **Trend:** Arguments for IT virtualization are so compelling that Butler Group believes virtualization will undoubtedly become the norm over the next one to two years.
- **ROI:** For one customer, Forrester Research concluded a ROI of 255% with payback period of 17 months with VMware VDI.



- **Cost of Ownership:** Operations, administration and management costs comprise 70% of the total cost of ownership of laptops and desktops.



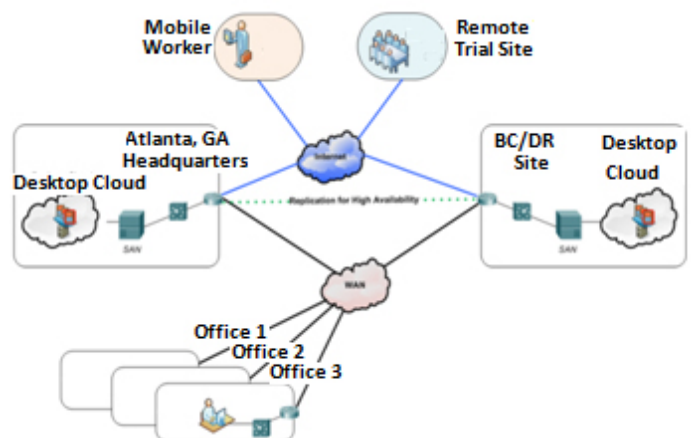
## The Challenge:

The paradigm for managing desktops and remote access solutions is changing, and with today's traditional desktop/laptop and server-based computing solutions, businesses face the following challenges:

- **User Experience:** Providing a consistent end user experience regardless of location is a challenge.
- **Complex Management:** Support processes requiring expert knowledge levels for remote application can decrease service levels and increase costs.
- **Infrastructure:** Server-based computing solutions such as Citrix/Terminal Server are not based on a standardized desktop image and often require:
  - Duplicate effort for software packaging, testing and deployment
  - Applications need "tweaking" to run successfully in a multiuser environment. Most are designed for single user (i.e. XP/Vista)
  - 3rd party management applications are often required (e.g. for printing, etc.)
  - Requires different help desk support processes
  - Often requires level 2 and 3 support and maintenance

## The Solution:

With the deployment of a Virtual Desktop Infrastructure foundation, an organization can achieve a cost-effective alternative to extend the life cycle of their desktops and lower the cost of ownership of their Remote Application Access platform (i.e. Citrix or Terminal Server) all by extending their existing investment in VMware Virtual Infrastructure.



# Virtual Desktop Infrastructure Foundation

Primary benefits that businesses can leverage with this solution include:

## End-to-end Virtual Desktop Infrastructure Functionality

- **Central administration of desktops from any location:** Manage virtual desktops in a data center where you can more easily perform upgrades, patches and desktop maintenance.
- **Business continuity:** Provide for a business continuity solution.
- **Scalable management:** Store and manage thousands of virtual desktops on hundreds of physical servers from a single management console.
- **Streamlined provisioning:** Deploy new desktops in minutes instead of days or weeks using automatic desktop provisioning.
- **Desktop isolation:** Give each end user an isolated virtual desktop and help to eliminate the availability and performance problems associated with shared application technologies.
- **Improved Performance:** The desktop experience will receive improved performance through centralized management.

## Simplified Desktop Management & Secure Provisioning with VMware VDM

- **Desktop management:** Deploy VMware Virtual Desktop Manager (VDM) to manage connections between remote users and centralized virtual desktops.
- **Flexible provisioning:** Deploy individual desktops for each user or create persistent and non-persistent desktop pools.
- **Strong network security:** Protect sensitive corporate information, using SSL tunneling to ensure that all connections are completely encrypted.
- **Complete integration with Microsoft Active Directory:** Control access to centralized desktops using your existing directory services infrastructure.
- **Failure redundancy:** Enable a high level of fault tolerance for your virtual desktop infrastructure with robust technology for connection redundancy and reliability.
- **Support for strong authentication:** RSA, The Security Division of EMC, has certified that Virtual Desktop Manager 2 is interoperable with RSA SecurID and provides the added security of two-factor authentication for tightened access control.
- **Simplified Support Model:** Enable level 2 desktop support to better work with users by reducing the complexity.

## Familiar End-user Experience

- **Application compatibility:** Run off-the-shelf, legacy or custom applications with no modifications.
- **No end-user training required:** Deliver complete, unmodified desktop environments to end users.

- **Flexibility:** Provide end users with their own desktop that they can customize to suit their needs and access from anywhere, or provision desktops that are more restricted and revert to a known consistent state upon log-off.
  - Secretaries
  - Staff
  - Summer Associates
  - Contractors / Outsourcing
  - Mergers & Acquisitions
  - Training Rooms
  - Kiosks users
  - Visiting Attorney
- **Homogenous desktop environment:** Access to the desktop remains the same regardless of the location or method used to connect.
- **Access to local devices:** Allow users to access local printers, USB devices and other peripherals.

## Seamless Integration with VMware Infrastructure 3

- **Unified management of servers and desktops:** Use a common management interface for administration of desktops and servers throughout your virtual infrastructure.
- **Consolidated backup:** Provide capability for centralized backup for virtual desktops while helping to eliminate backup traffic from your network to improve performance.
- **Automated failover and recovery:** Make it easier to keep desktops running even when server hardware goes down, and recover quickly from natural disasters and unplanned outages.
- **Dynamic load balancing:** Help balance desktop computing resources automatically as user needs and application loads change over time.

## **Approach:**

iVision delivers consulting solutions in an organized approach:



## **The iVision Advantage:**

iVision has proven experience in deploying successful Virtual Desktop Infrastructures based on a proven framework for software distribution and common desktop management for businesses. This is another component of the iVision Optimized Desktop for Businesses solution.

iVision also has extensive experience in providing the right approach to the foundational elements of a Virtual Desktop Infrastructure that are critical to the long-term performance of the solution; our strategic partnership ecosystem includes:

