

Introduction to the Virtual Desktop Pilot at Fermilab

Who are the Major Players?

- VMWare View
- Citrix XenDesktop
- Windows Desktop Virtualization



for the Pilot?

- VMWare is a market leader in Virtualization, providing commercial support and services for their virtual desktop software.
- It is a complete package from a single vendor
- View can integrate with our existing Virtualization infrastructure.
- We are currently staffed by VMWare certified professionals, reducing the need for additional training or consulting services.
- We inherited VMWare View licenses from TD.

Key Components of VDI

VDI is more than just a Windows desktop OS in a VM

Virtualization Platform

Connection Protocol

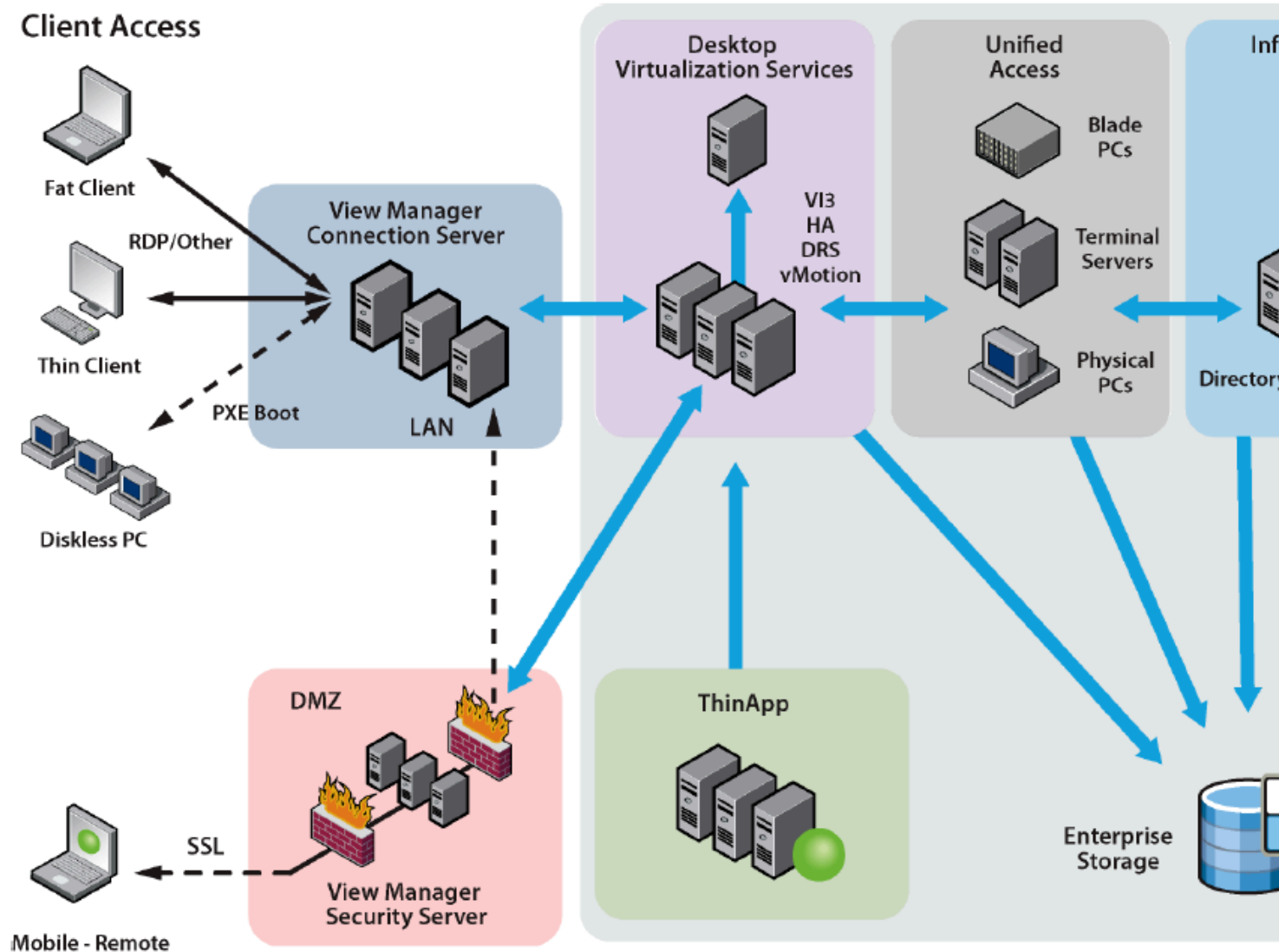
Management Platform

Connection Broker

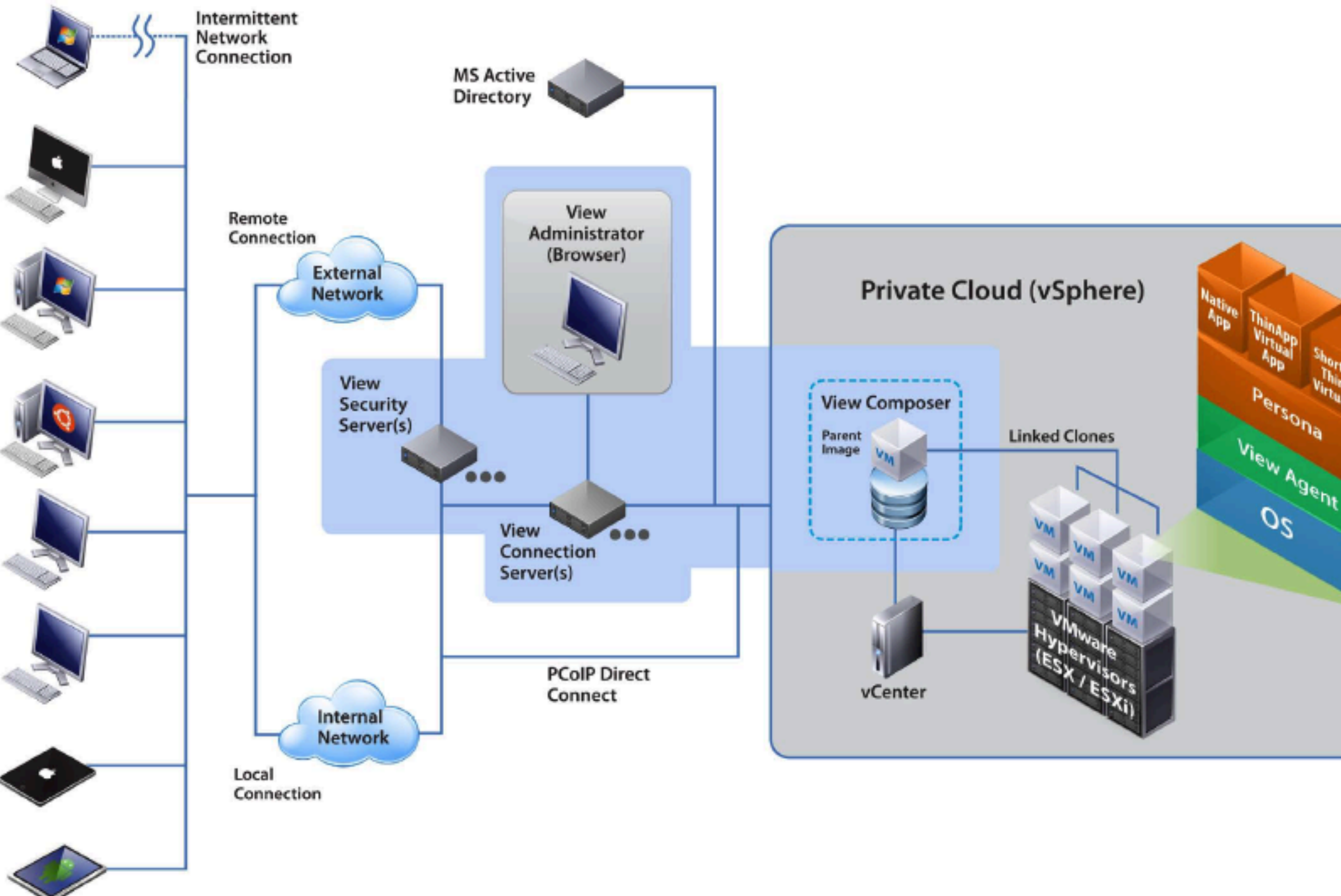
Application Virtualization

User Profile Management

Client Devices



VirtualView Architecture



Virtual Devices Does View Support?

- Windows Desktops
- Mac OS X
- Ubuntu Linux
- iPad
- Android Tablet
- PCOIP Zero clients
- Thin clients by HP, Wyse, Dell, I0Zig, etc..



VMware View

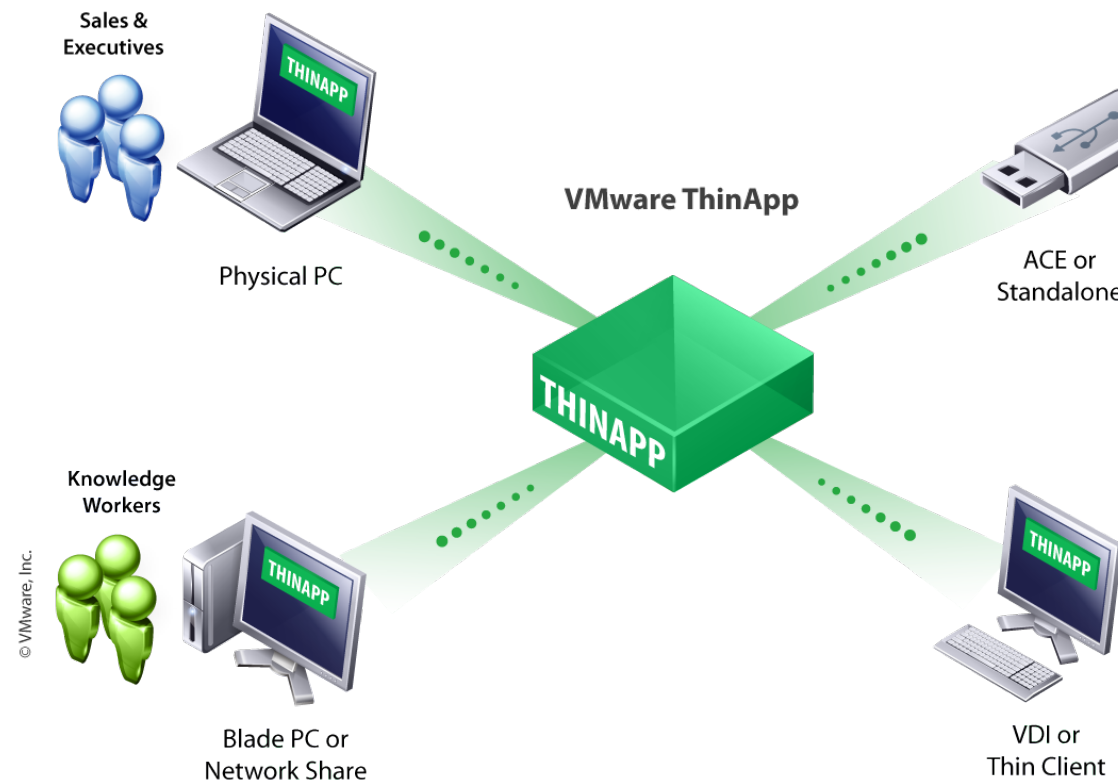


VMware ThinApp

Application files and registry are encapsulated into a single package that can be run locally, or from a network share.

Thinapp packages can be deployed, managed and updated independently from the OS.

Virtualized applications are not “installed”, and thus make no change to the OS.



BENEFITS OF VDI

Centralized Management

VM's can be deployed, entitled and administered from a central location. Virtual Desktops can be enabled for provisioning and user-initiated OS refresh.

Greater Scalability - Increase or decrease VM's as needed.

VM's can be provisioned 'on the fly'. VM's are suspended when not in use, saving host resources.

Security

Virtual Desktops are located in the secure datacenter rather than on the user's desk.

Disaster Recovery

Can create a replacement VM in just a few mouse clicks.

Mobile & Remote Office Computing

Users can access the same Virtual Desktop whether they are on site, at home, or traveling. VM's can even be used offline with VMWare's "Offline Desktop" feature.

Unified Service Delivery Model

No more worrying about physical desktop hardware being compatible with the latest Windows OS.

Alignment with DOE Virtualization/Green objectives

Some Initial Use Cases

- Summer Students (BYOD)
- Email Kiosk
- Training
- “Loaner” while primary PC is diagnosed.
- “Hot-desk” or multi-workstation users.
- Application testing.