

Desktop Virtualisatie met VMware View: de laatste ontwikkelingen!

Ton Hermes, Senior Systems Engineer

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VMware strategy

Business Value VMware View

Next step: Project Horizon

VMware & Telindus-ISIT View Proof of Concept

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Excel spreadsheet showing a financial statement with columns for Segment Desc, Type, Beginning Balance Debit, Beginning Balance Credit, Debit, Credit, Ending Balance Debit, and Ending Balance Credit. Rows include items like Cleaning and Maintenance, Telephone Expenses, Postage, Equipment Expense, Legal Services, Utilities, Car Rental, Accommodation, Meals, Miscellaneous, Interest Expense, and Current Loans.

ForceOne Exchange interface showing a list of email messages with columns for Name, From, To, Subject, Date, and Size. The interface includes search filters and a list of message details.

The Challenge: Stitch all this together into a coherent, secure, compliant whole

Existing Apps

SaaS Apps



Existing Datacenters



Public Infrastructure

VMware Solutions for IT as a Service

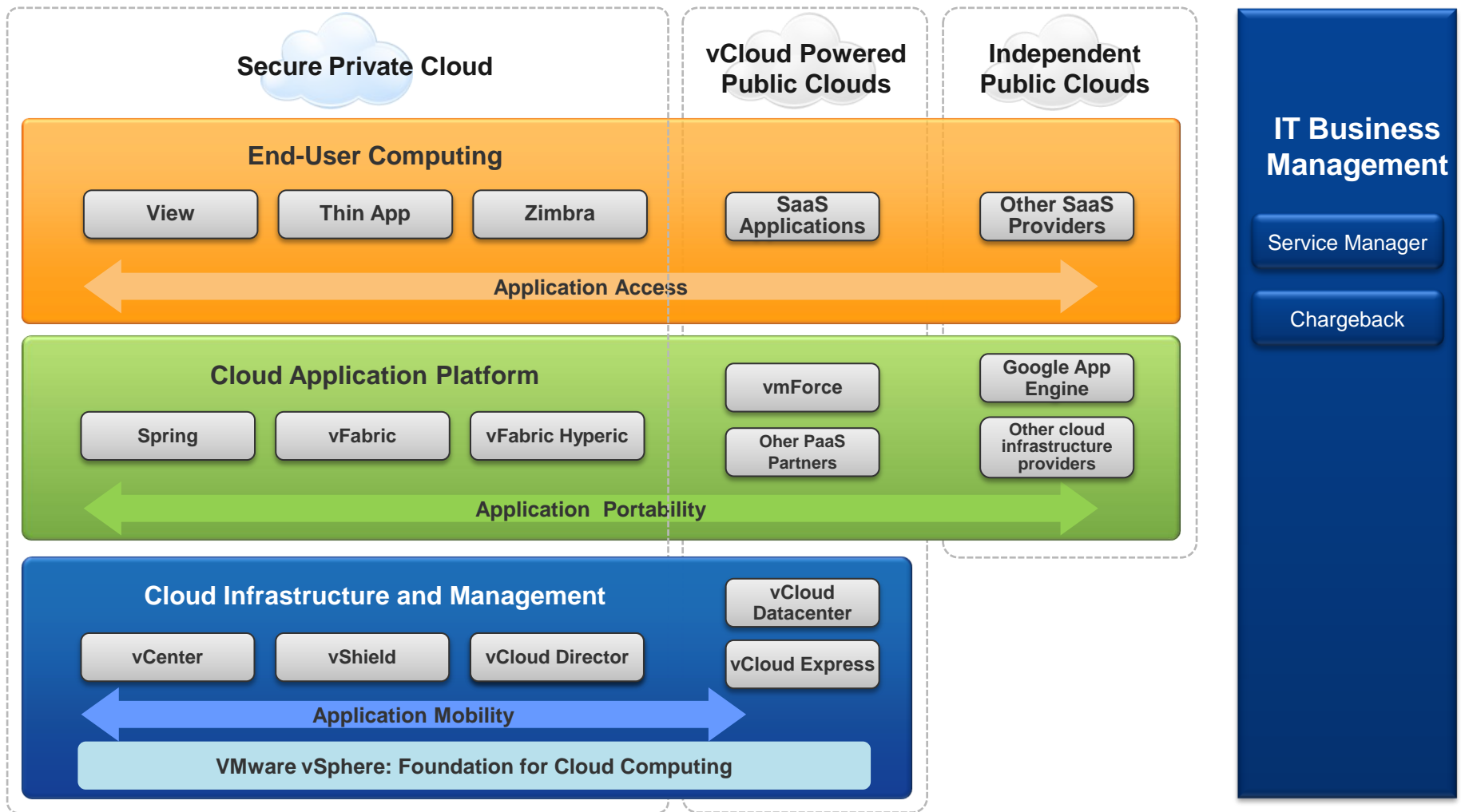


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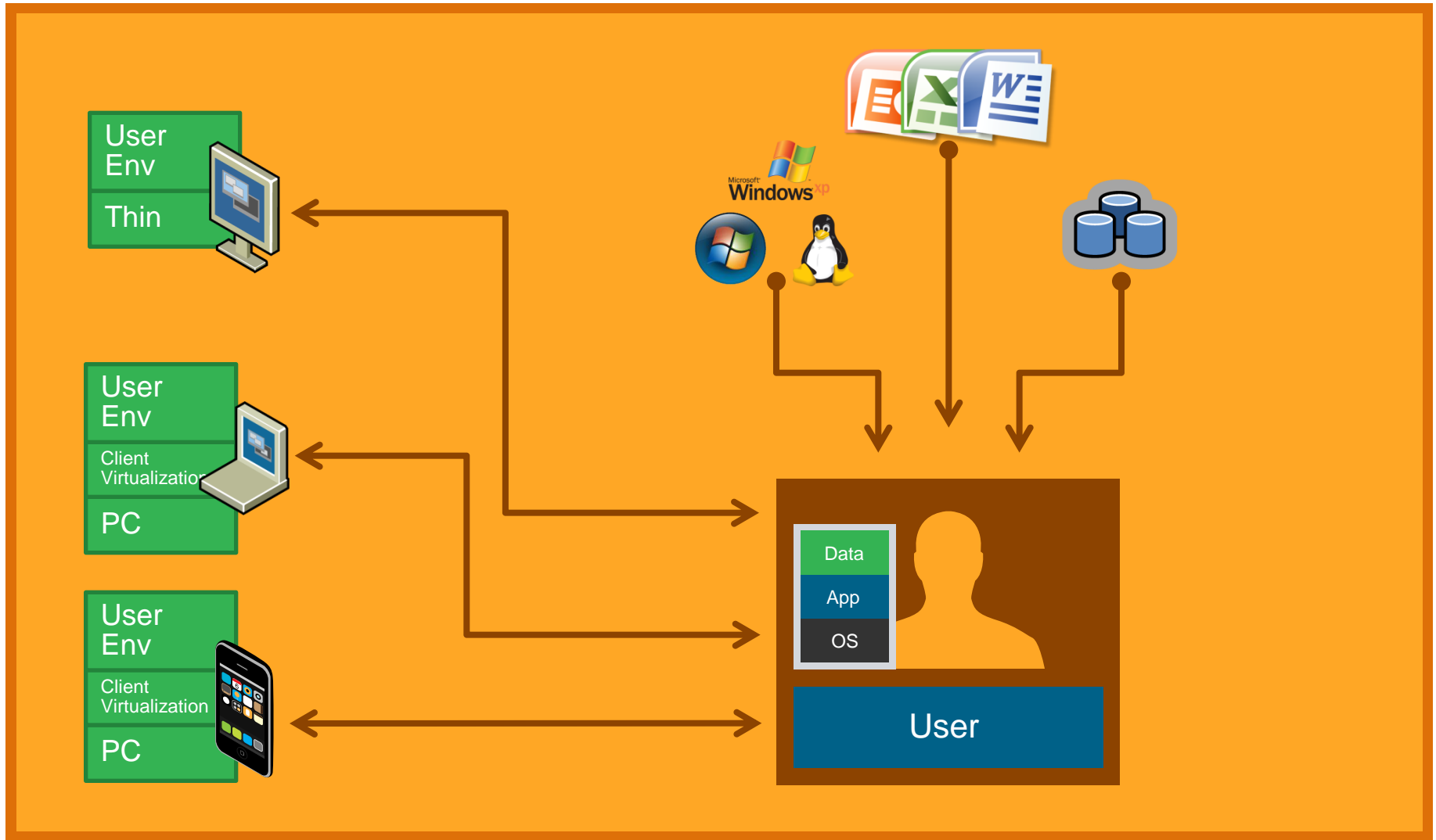
VMware strategy and VDI

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VMware & Telindus-ISIT View Proof of Concept

Desktops That Follow the User



VMware View 4 – Built to deliver desktops as a managed service

Platform

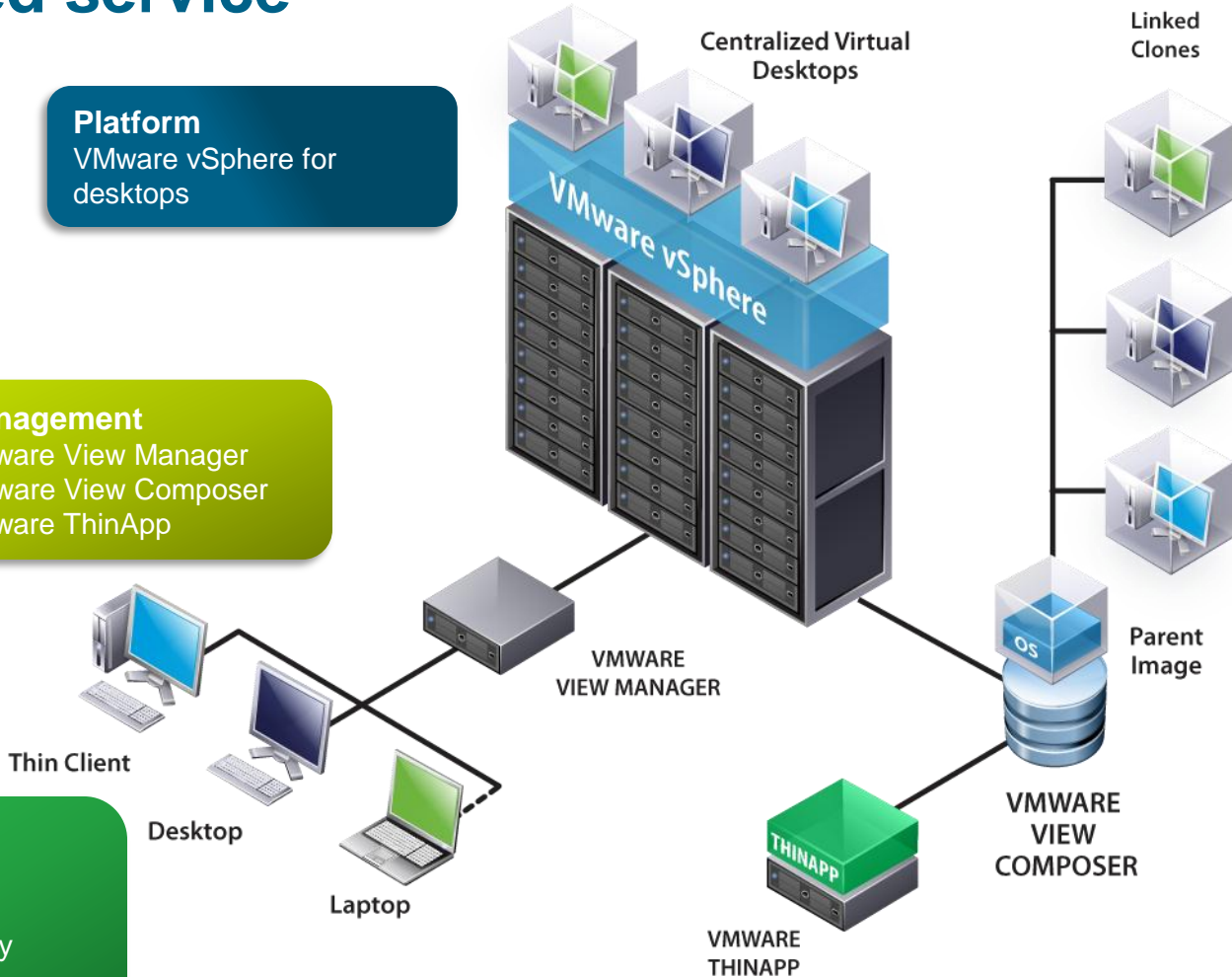
VMware vSphere for desktops

Management

VMware View Manager
VMware View Composer
VMware ThinApp

User Experience

PCoIP
Print
Multi-monitor display
Multimedia
USB redirection



Critical Solution Components

- Usability
- Flexibility

User Experience

- View Client
- PCoIP Protocol
- Local Mode

- Simplicity
- Efficiency
- Security

Management

- View Manager
- View Composer
- ThinApp

- Availability
- Reliability
- Scalability

Platform

- vSphere for Desktops



Reduce IT Costs

Components of Desktop as a Managed Service

User Experience

- Usability
- Flexibility

- View Client
- PCoIP Protocol
- Local Mode

Management

- Simplicity
- Efficiency
- Security

- View Manager
- View Composer
- ThinApp

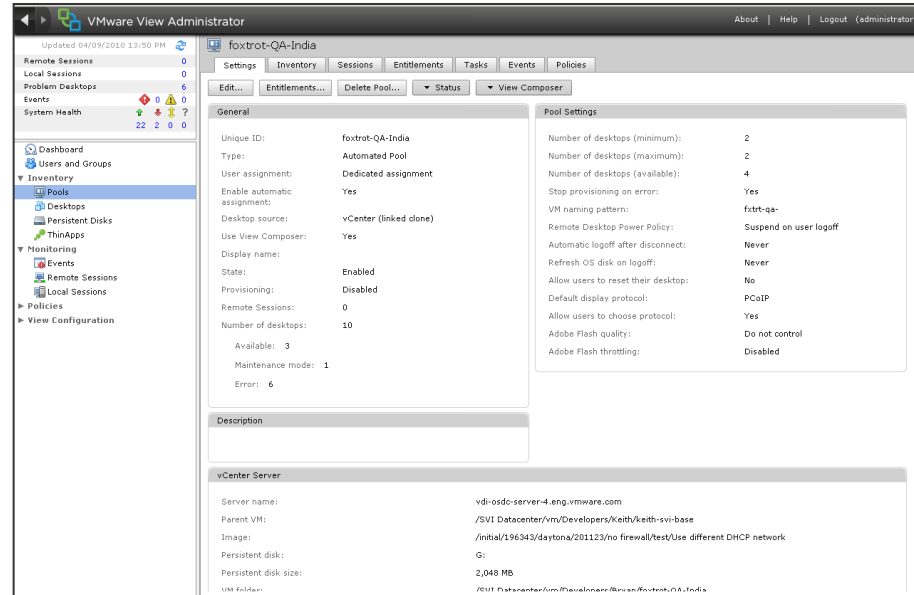
Platform

- Availability
- Reliability
- Scalability

- vSphere for Desktops

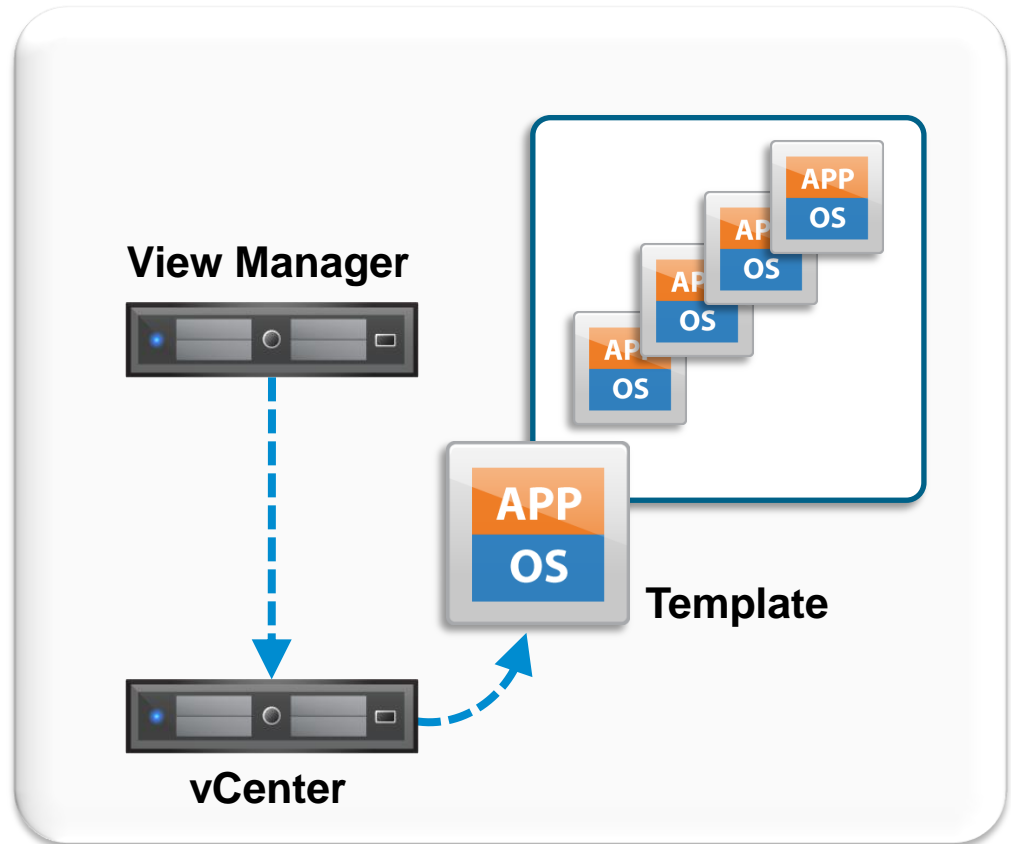
Reduce IT Costs

- **Simplicity with Single Console Management**
- **Manage desktop components from a single console**
 - Operating System
 - Applications
- **Apply policy, assign applications and deploy desktops**
- **Monitor and troubleshoot with a unified view of the desktop infrastructure**



Provision desktops in minutes

- Automate provisioning from a template
- On-demand provisioning
- Multiple types of desktops
 - Persistent, Non-persistent, Individual
- Apply group policies

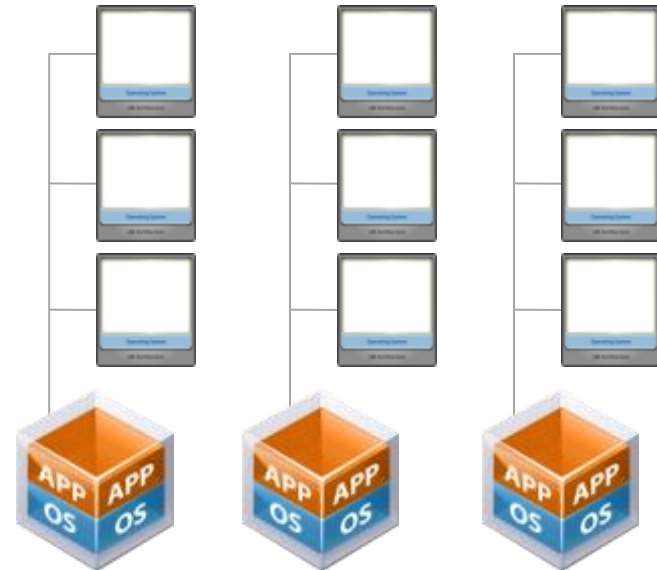


Optimize storage with View Composer

Traditional VDI



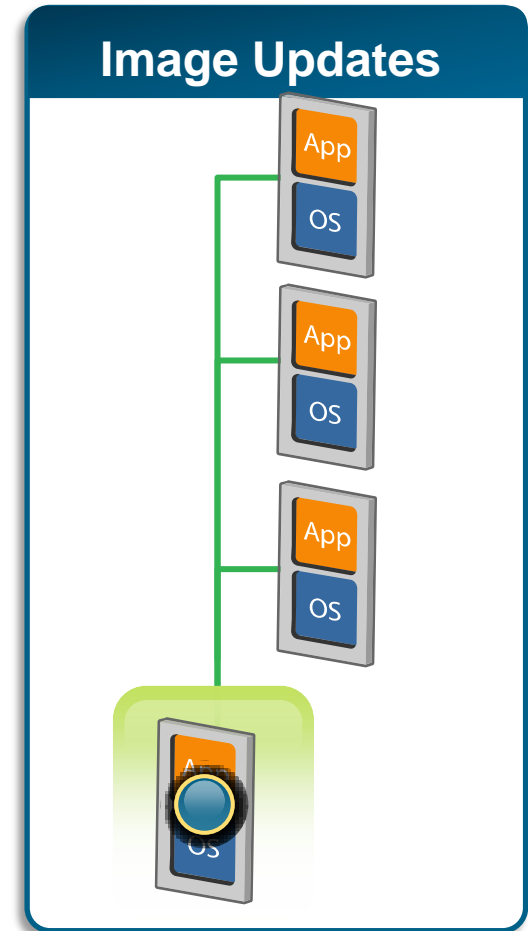
View Composer



VMware View helps reduce storage costs by 70%

Simplify desktop image management

- Manage thousands of desktops
- Streamline desktop management with View Composer
 - Quick provisioning
 - Simplify update, patch, and upgrade activities while retaining user settings
 - Guarantee updates are applied to every desktop



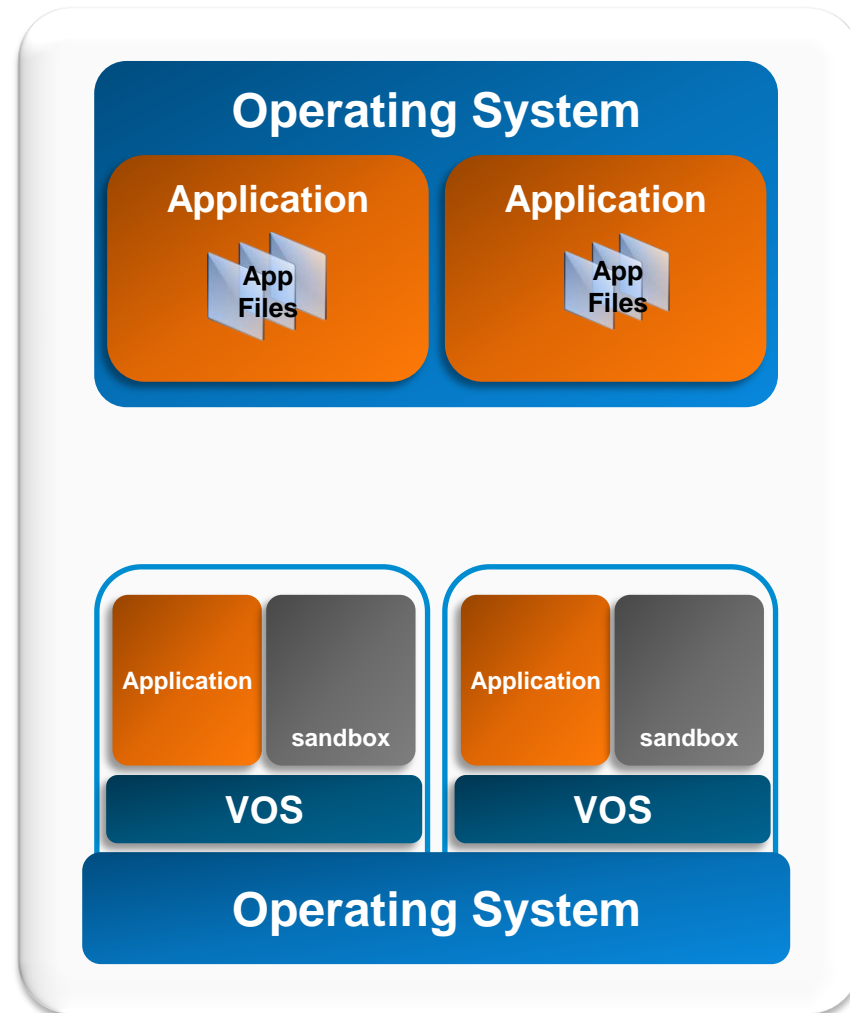
ThinApp for application virtualization

Features

- Decouple applications and data from OS
- Agent-less architecture
- Wide platform and application support
- Plug into existing application management tools

Benefits

- Minimize the number of desktop images managed
- Streamline application patch updates
- Enable the use of multiple versions of applications



Full Internet Explorer 6 Support on Win 7 and 2008 R2

- Easily create IE6 packages.
- No “install capture” - Harvest of IE6 from XP SP3.
- Easy deployment into newer operating systems.
- Run IE6 on both 32-bit and 64-bit systems.
- Run IE6 side-by-side with native IE.
- Run different versions of components (Java, .NET/ActiveX, Flash, etc.) in separate IE6 packages on same Win 7 system.
- No more “Web App Hell”!



Components of Desktop as a Managed Service

User Experience

- Usability
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Management

- Simplicity
- Efficiency
- Security

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- ThinApp

Platform

- Availability
- Reliability
- Scalability

- vSphere for Desktops

Reduce IT Costs

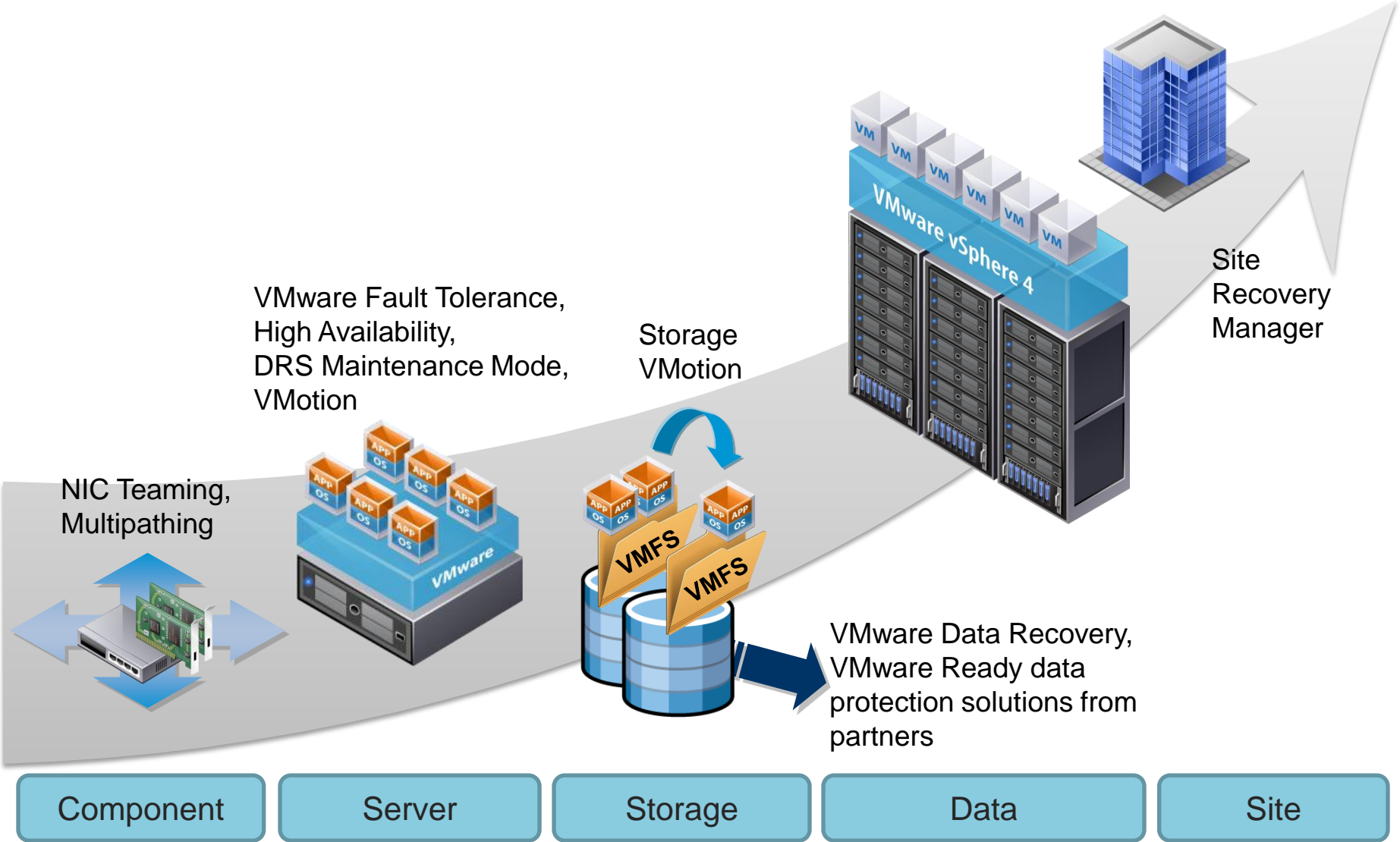
Windows

A fatal exception 0E has occurred at 0028:C0011E36 in UXD VMM(01) + 00010E36. The current application will be terminated.

- * Press any key to terminate the current application.
- * Press CTRL+ALT+DEL again to restart your computer. You will lose any unsaved information in all applications.

Press any key to continue _

VMware Offers Protection At Every Level



Optimized Cloud Infrastructure Platform

Scalability: Built for the largest desktop environments

- 1000s of VMs/pod
- Faster and more efficient vMotion leading to decreased migration time for VMs
- Shrink and grow desktops based on demand and priority
 - Dynamic Resource Allocation

High Performance

- Optimized for desktop workloads
- Performance acceleration due to lower memory swapping

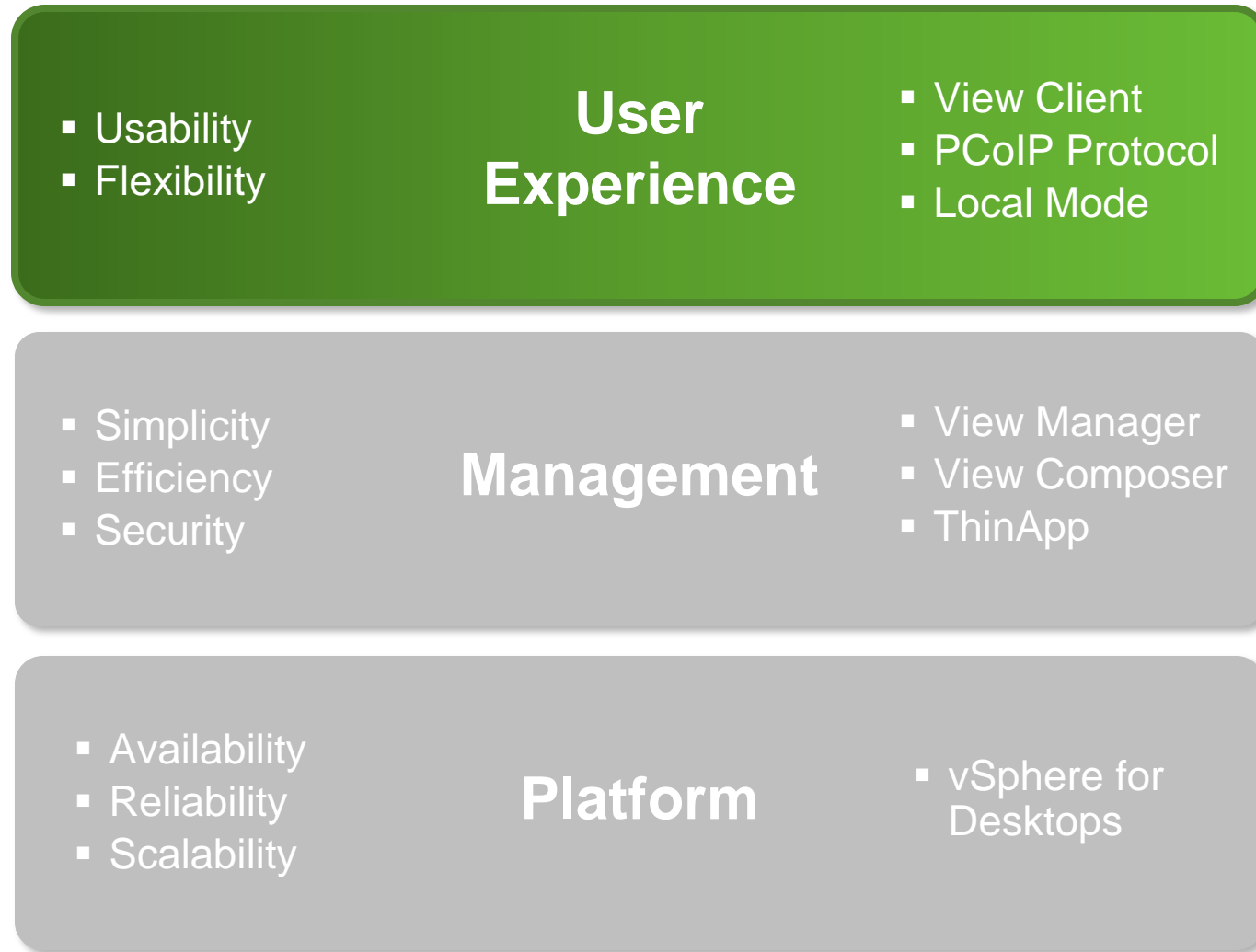
Best Density

- Increased desktop VM density – 16-20 VMs/core

High Availability and Business Continuity



Components of Desktop as a Managed Service



From the Task Worker to the Designer

Task Worker	Knowledge Worker	Power User
<ul style="list-style-type: none">• Call Centers• Administrative• Clerical• Remote Workers	<ul style="list-style-type: none">• Professionals• Researchers• Sales & Marketing• Mobile Workers	<ul style="list-style-type: none">• 3D Artists• Designer• Traders
<ul style="list-style-type: none">• Well defined desktop• Process routine tasks	<ul style="list-style-type: none">• Variety of applications & content• Complex info-centric tasks	<ul style="list-style-type: none">• Specialized applications• Graphically intense



Desktop PC/Laptop



**Windows, Mac OS
or Repurposed PCs**

Thin Client/Zero Client



**Broad Industry
Support**

Mobile Devices



**iPad/iPhone
Android***

** Wyse Pocket Cloud*

Flexible Display Support

Support up to
4 monitors

1920x1200
Resolution per
monitor

ClearType font
support



Monitor pivot
support

Variable
resolution per
monitor

32-bit color



VMware View: The Clear Choice

- **1/2 the cost of competitive solutions**
 - Flexible concurrent user licensing model
 - Needs less hardware
 - Uses less storage
- **1/3 the complexity of competitive solutions**
 - Streamlined installation process
 - Single management console
 - “[VMware] View is a giant ‘easy button’” – briandmadden.com
- **Complete desktop virtualization**
 - Most customers choose VMware vSphere/ESX to host XenDesktop
 - PCoIP delivers a scalable high-performance user experience

VMware View 4.5: The Only Desktop Virtualization Solution Built for the Cloud

Breaking the Acquisition Cost Barrier with Partners

Dell Virtual Remote Desktop
Featuring VMware View,
Reference Architecture Brief



- Sub \$40 Enterprise Storage for View
- Largest Windows 7 Migration Practice
- 60% increase in desktop performance



- Sub \$40 Enterprise Storage for View
- 50,000 seat View Deployment Architecture



HP Reference Architecture for
VMware View, Reference
Architecture Brief



Solution Cost

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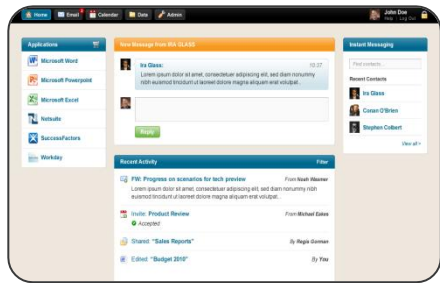
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End User Computing Vision: Device-independent delivery and control of end-user apps & services



End User Workspace

 Cross-Platform Portal

 Mobility and Offline

 Enterprise App Store



SaaS Applications

Virtual Desktops

App Management

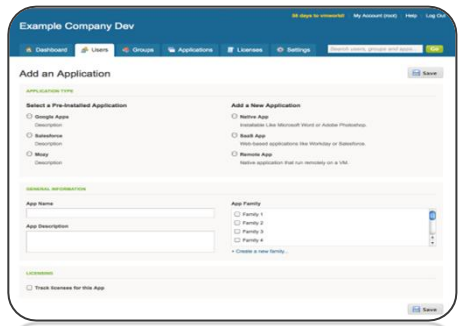
App Publishing

User Data Mgmt
Collaborative Workspace

Communications &
"Meta Inbox"



Admin Console



 Directory Federation

 License Tracking

 Access Management

Horizon Administration: Organization Directory Services



Sequoia Construction, LLC

account | settings | log out

powered by
vmware

Directory

Applications

Data

Administration

Reporting

Supported By: Palo Alto Technology Group

Add User

Delete User

Deactivate User

A
B
C
D
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F
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J
K
L
M
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Q
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U
V
W
X
Y
Z

Beverly Haas

Noah Harkins

Tanya Harold

Tina Heckler

John Henry

Jack Herner

William Hoo

Tommy Hooya

Bethany Houston

Jeff Hyster

Profile

edit



Jack
Herner

Contract Negotiator
3401 Hillview Avenue

cell: 415.888.2131
home: 415.674.2342

jherner@seqconstruct.com

Google talk: jherner

Manager: [Tanya Harold](#)

Policies

edit

Role

- Accounting
- Sales
- Executive Staff
- Construction (Field)

Security

- Administrator
- Establish New Users
- Set Up Servers
- Approve Applications

Special Requirements

- Encrypt all local files
- Back up data daily
- Allow mobile contacts
- Take Email Offline

Entitled Applications

edit

Server Applications

Zimbra

Zimbra
Collaboration Server



File
Services

Personal Directory

Shared Directory

Desktop Applications



Microsoft
Office 2007



Mozilla
Firefox



Acrobat
Reader

SaaS Applications

salesforce

salesforce.com



quickenonline.com



workday.com

Horizon Administration: One Click New User Creation

The screenshot displays the VMware Horizon Administration interface for Sequoia Construction, LLC. The top navigation bar includes 'account | settings | log out' and the VMware logo. The main interface is divided into sections: 'Directory', 'Applications', 'Data', 'Administration', and 'Reporting'. A 'Supported By: Palo Alto Technology Group' banner is visible. On the left, a directory list shows users from A to Z, with 'H' highlighted. The main area shows a user profile for 'Tanya Harold' with fields for Contract Number, address, phone numbers, email, and manager. A 'Create New User' dialog box is open in the foreground, featuring input fields for 'First Name', 'Last Name', 'Password', and 'Re-type'. It also includes a 'Clone Existing User?' section with a 'Select' dropdown and a 'Browse' button. The 'Role' section has checkboxes for 'Accounting', 'Sales', 'Executive Staff', and 'Construction (Field)'. The 'Security' section has checkboxes for 'Administrator', 'Establish New Users', 'Set Up Servers', and 'Approve Applications'. At the bottom of the dialog are 'Cancel' and 'Add User' buttons. The background shows application icons like 'File Services', 'Mozilla Firefox', 'Acrobat Reader', 'salesforce', 'quickeronline.com', and 'workday.com'.

Horizon Administration: Application Pre-Configuration



Sequoia Construction, LLC

Welcome, Admin | settings | log out

powered by
vmware

Directory

Applications

Data

Administration

Reporting

Supported By: Palo Alto Technology Group

Add App

Delete App

Search for Apps Online

filter: by category ▼

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U
V
W
X
Y
Z

Find It

Finger Print Scanner

FireFox (Mozilla)

FireWorks CS4 (Adobe)

Flash (Adobe)

Font Organizer

Application

edit



**Mozilla
Firefox**

Category: Browser
Latest Version: 3.6

Security Alerts: None

Policies

edit

Application

- Auto Update
- Check for Updates
- Track Usage
- Reset Application at Close

Entitled Groups

- Administrators
- Authenticated Users
- All Users
- Browser Users

Security Policies

- Encrypt Application
- Confirm Entitlement Daily
- Require Manager Approval
- Allow Application at Users Home

Settings & Plug-Ins

edit

Settings

- Enable Java
- Enable Javascript
- Backup Internet History
- Configure Favorites
- Company Operations
 - Travel: www.amex.com
 - Human Resources: www.workday.com
 - Accounting: quicken.intuit.com
- Intranet Sites
 - SharePoint: seqconstructhosting.com
 - Intranet Home: seqconstintranet.com

Configured Plug-Ins



Adobe
Flash



Sun
Java



Acrobat
Reader

Horizon Administration: Server Application Configuration



Sequoia Construction, LLC

Welcome, Admin | settings | log out

powered by
vmware

Directory

Applications

Data

Administration

Reporting

Supported By: Palo Alto Technology Group

Add App

Delete App

Search for Apps Online

filter: by category ▼

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U
V
W
X
Y
Z

Zimbra Client

Zimbra Collaboration

Zoho CRM

Zoho Sheets

Zoho Writer

Application edit



Zimbra
Collab
Suite

Category: Email / Collab
Latest Version: 6.0.4

Security Alerts: None

Policies edit

Application

- Auto Update
- Check for Updates
- Track Usage
- Reset Application at Close

Entitled Groups

- Administrators
- Authenticated Users
- All Users
- Browser Users

Security Policies

- Require SSL Authentication
- Backup Data to 2nd Storage
- Save deleted emails
- Alert any downtime to administrators group

Settings & Plug-Ins edit

Settings

- Use Domain Name: seqconstruct.com
- Allow users to take email offline
- Backup Deleted Email for all time
- Configure Attachments

Productivity

Documents: Microsoft Word
Spreadsheets: Microsoft Excel
Database: Microsoft Access

Others

PDF: Adobe Acrobat

Configured Zimlets



Yahool Maps



Alfresco Content
Management

Horizon Administration: Server App Deployment

Directory

Applications

Data

Administration

Reporting

Supported By: Palo Alto Technology Group

Add App

Delete App

Search for Apps Online

filter: by category ▼

A
B
C
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U
V
W
X
Y
Z

Zimbra Client

Zimbra Collaboration

Zoho CRM

Zoho Sheets

Zoho Writer

Application edit



Zimbra
Collab
Suite

Category: Email / Collab
Latest Version: 6.0.4

Security Alerts: None

Deployment

Run Locally

VMware Go™

Host at vCloud Partner

vCloud Partner

Download Appliance

Download VMDK

Hosting Provider Details



Features

99.99% Uptime Guarantee
Global Deployment
Disaster Recovery, Redundant Storage

Plans Starting At:

\$24.99/month



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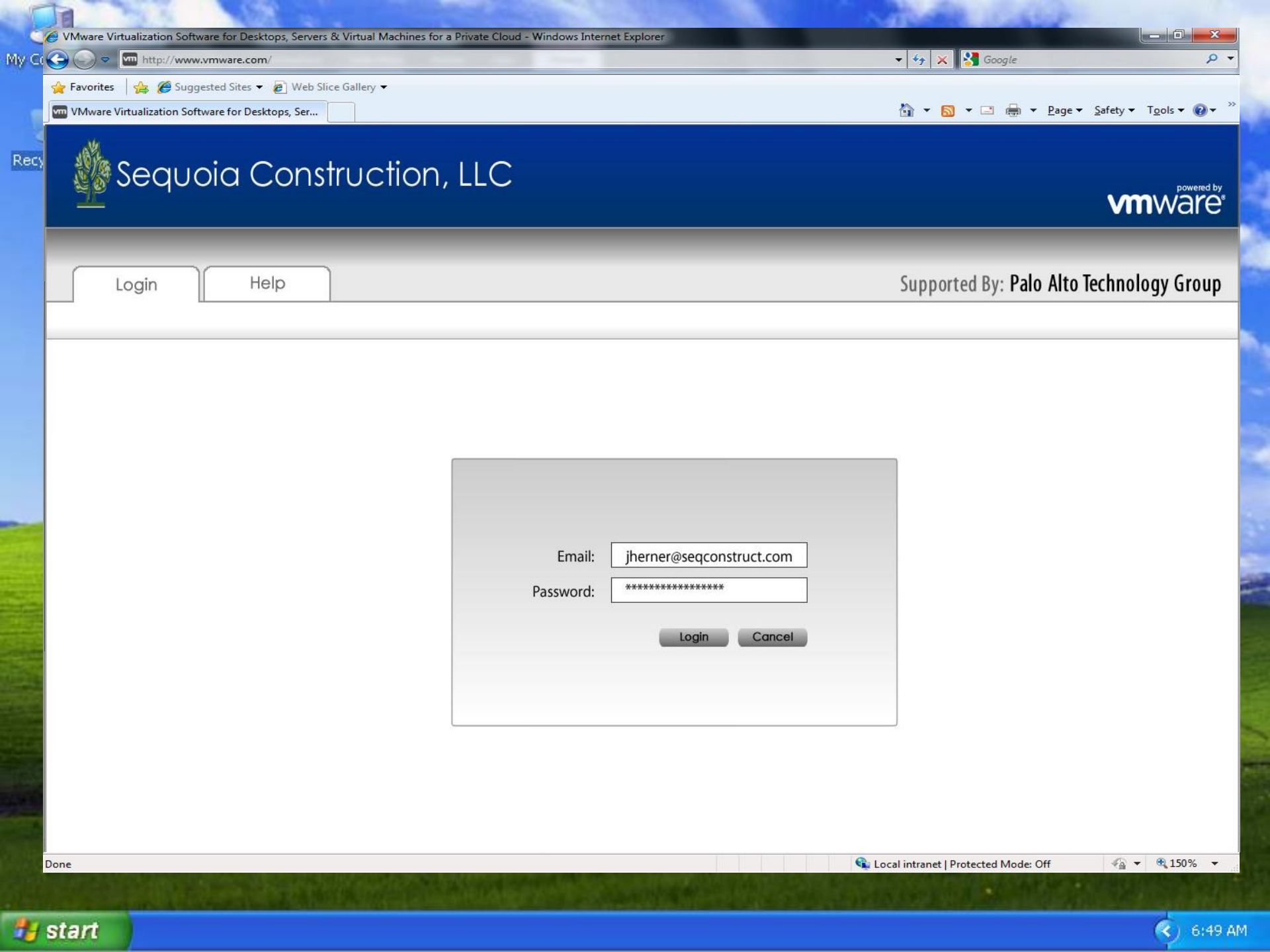


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Sequoia Construction, LLC



Login

Help

Supported By: Palo Alto Technology Group

Email:

Password:

Sequoia Construction, LLC

help | settings | log out

powered by **vmware**

Overview

Applications

Data

Welcome, Jack Herner!

Request Application

Request Support

Email for Support: Palo Alto Technology Group

Profile

edit



Jack Herner

Contract Negotiator
3401 Hillview Avenue

cell: 415.888.2131
home: 415.674.2342

jherner@seqconstruct.com

Google talk: jherner

Manager: [Tanya Harold](#)

Status & Help Desk

edit

No Updates Required

System Status

- Applications Updated
- Data Backup Complete
Last Completed: 1/29
- System Services Online

Help Desk Notices

- ☑ System Maintenance 1/30
- ☑ Office 2007 Update 2/10

Your Support Requests

- ☑ Request full Acrobat
Status: Complete

Contact Information

- ☑ support@patech.com
1-800-SUP-PORT

Application Portal

edit

New Recommendations from Your Manager



Office 2010 Beta Trial



Construction Time Tracker



HyperOffice
Collaboration made simple

Online Project Management

Training Videos to Increase Your Skills



Microsoft Office



Adobe Illustrator



Salesforce.com



Workday.com

Your Devices Under Management



Dell XFR Rugged Book
1.8 GHz, 4GB RAM

Deactivate



Lenovo X100e
1.4 GHz, 2 GB RAM

Deactivate

Sequoia Construction, LLC

help | settings | log out



Overview

Applications

Data

Welcome, Jack Herner!

Request Application

Request Support

Email for Support: Palo Alto Technology Group

Profile

edit



Jack Herner

Contract Negotiator
3401 Hillview Avenue

cell: 415.888.2131
home: 415.674.2342

jherner@seqconstruct.com

Google talk: jherner

Manager: [Tanya Harold](#)

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edit

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Construction Time Tracker



HyperOffice
Collaboration made simple

Online Project Management

Training Videos to Increase Your Skills



Microsoft Office



Adobe Illustrator



Salesforce.com



Workday.com

Your Devices Under Management



Dell XFR Rugged Book
1.8 GHz, 4GB RAM

Deactivate



Lenovo X100e
1.4 GHz, 2 GB RAM

Deactivate

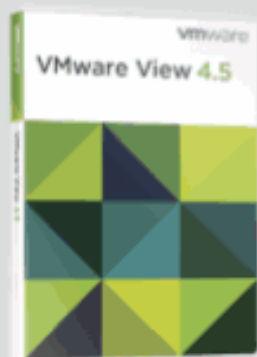
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VMware & Telindus-ISIT View Proof of Concept



VMware biedt u een kant-en-klare Proof of Concept (POC) aan om snel en eenvoudig de meerwaarde van desktop virtualisatie te ervaren. Een "Virtual Desktop POC in a box".

Zien is geloven

Omdat centralisatie van desktops voor veel bedrijven een compleet nieuwe manier van denken betekent, adviseert VMware de opzet van een Proof Of Concept (POC). Om u inzicht te geven in de meerwaarde en/of beperkingen van een Virtuele Desktop Infrastructuur is een fysieke POC op kleine schaal het middel bij uitstek. Een praktijkomgeving waarmee u snel en eenvoudig ervaringen op doet met VMware View. U beoordeelt of VMware View, in technische en functionele zin, aansluit bij de wensen en verwachtingen van uw organisatie.

Middels de VMware View POC kijkt u op zowel technisch als op organisatorisch niveau naar de voordelen van een virtuele desktop omgeving. U zoekt samen met een consultant naar de optimale configuratie. Na de proeftuin is duidelijk welke desktops en gebruikers goede kandidaten zijn voor een Virtuele Desktop Omgeving en welke hardware hergebruikt kan worden.

Deze POC levert een complete inrichting van VMware View op die wordt gebruikt in de definitieve implementatie binnen uw organisatie. De 'testfase', zoals deze in andere projecten is opgezet, is grotendeels voltooid. Dit betekent een aanzienlijke verkorting van de implementatietijd.

Hoe gaan we te werk?

De "Virtual Desktop POC" is een kant-en-klaar stappenplan. In 4 stappen maakt u snel en eenvoudig kennis met de voordelen en/of beperkingen van VMware View. Laten we beginnen.

- Stap 1** Intake
- Stap 2** Configuratie VMware View Manager en virtual desktops
- Stap 3** Gebruikerstest
- Stap 4** Rapportage

Voorwaarde

Om VMware View te installeren dient uw ICT infrastructuur voorbereid te zijn met een up to date virtuele infrastructuur versie ESX 3.5 of vSphere. Als dat niet het geval, of als er is geen virtuele infrastructuur aanwezig is installeren en configureert de consultant voor aanvang van stap 2, VMware vSphere.

VMware ThinApp

Optioneel kunt u kiezen om VMware ThinApp (applicatie virtualisatie) ook in uw praktijkomgeving te testen en te beoordelen.

Aditioneel doorloopt u de volgende stappen:

- Stap 1.1** Installatie en configuratie VMware vSphere
- Stap 2.1** Installatie en configuratie van ThinApp (applicatie virtualisatie)

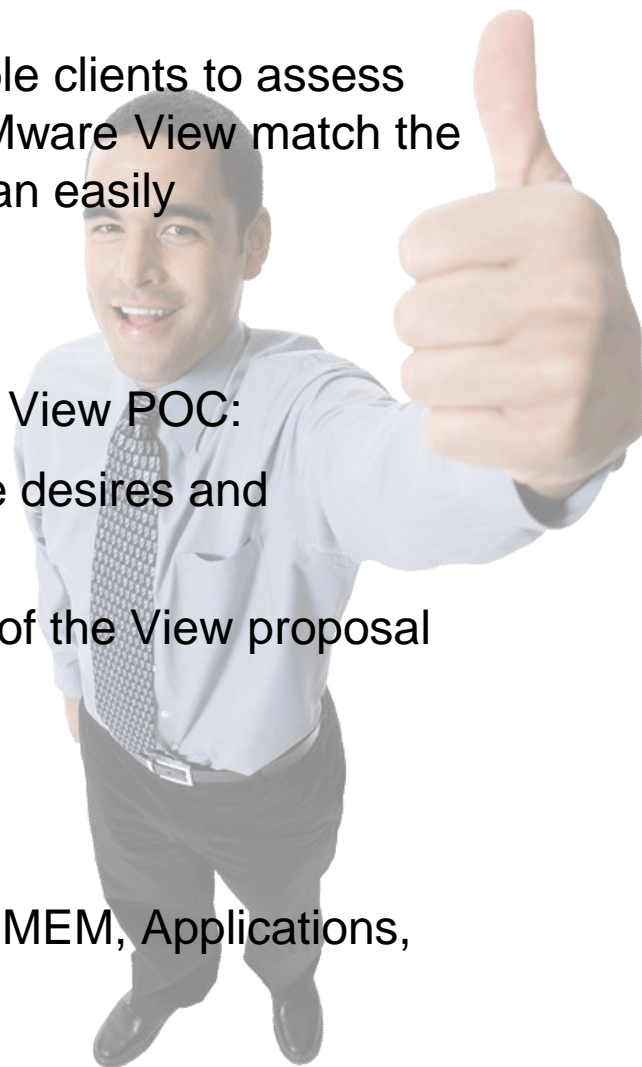


together with



Benefit for the customer

- The ready-to-use POC project is designed to enable clients to assess whether the technical and functional aspects of VMware View match the desires and expectations of their organisations in an easily understandable, modular and accessible way.
- In short, there are many reasons for executing the View POC:
 - Certainty that desktop virtualisation matches the desires and expectations of the customer
 - Well-considered choices on which components of the View proposal offer added value to your organisation
 - End users gain experience
 - No negative ROI on software or hardware
 - Opportunity to measure the environment (CPU, MEM, Applications, Bandwidth) as input for the design.



Questions and Answers

Thank You!