



Extend the App Model to Support your User Centric XenDesktop in the Data Center

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Your first host of today



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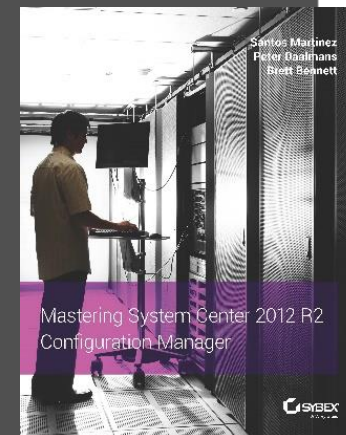
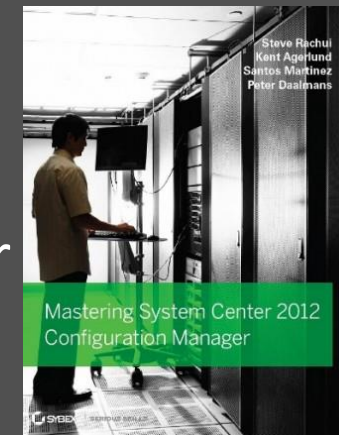
<http://be.linkedin.com/KennyBuntinx>



<http://scug.be/blogs/sccm>

Your second host of today

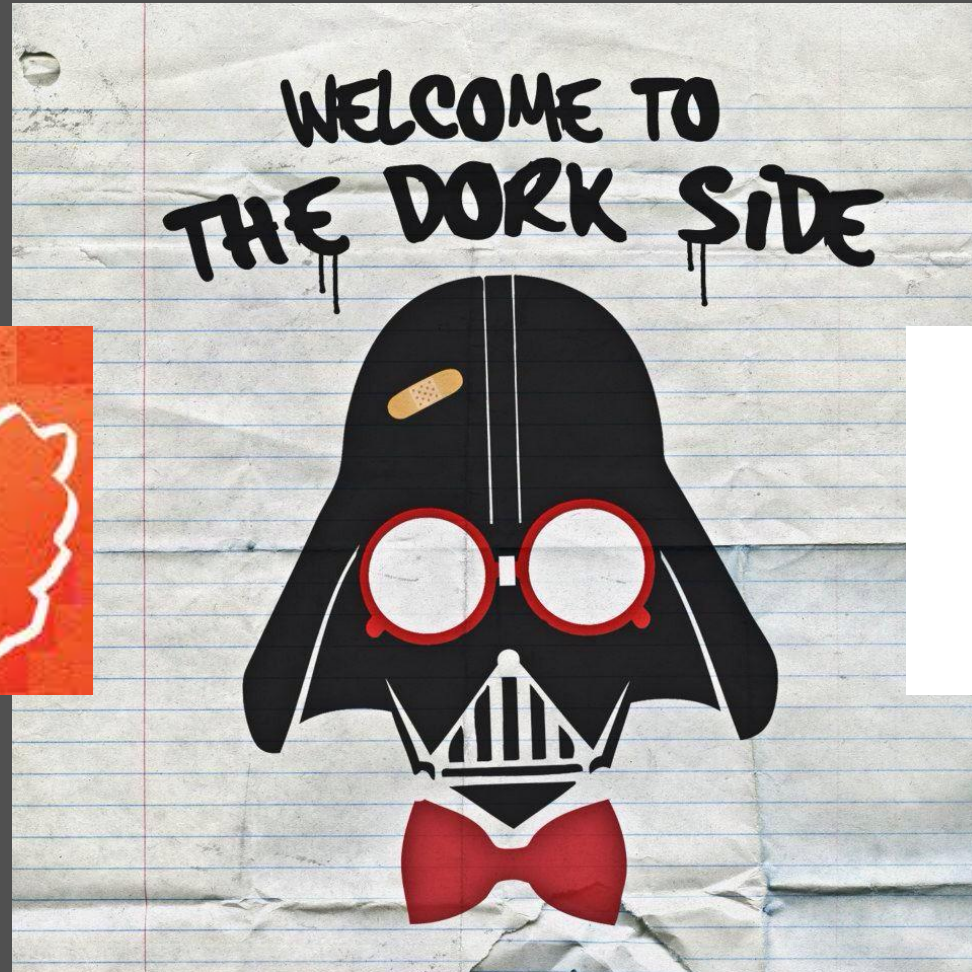
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 - Mastering System Center 2012 Configuration Manager
 - Mastering System Center 2012 R2 Configuration Manager



Agenda

- ConfigMgr 2012 AppModel overview
- Citrix XenDesktop Connector for ConfigMgr 2012
- Installation
- Troubleshooting
- Demo time
- Q&A

Citrix vs Microsoft Remote App

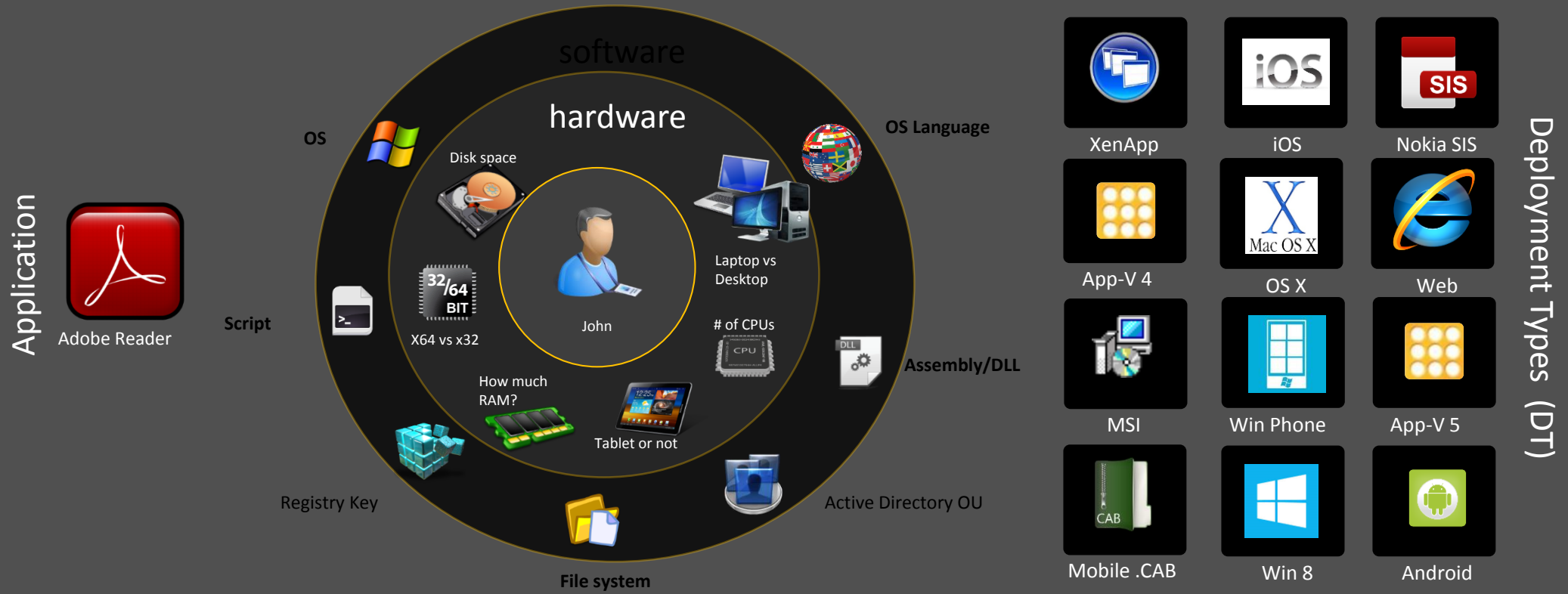




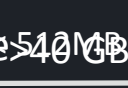


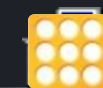
ConfigMgr AppModel

Application Model Overview

- User-Centric Application Deployment/Management
- Deployment Types
- Dependencies
- Requirements
- Detection Methods
- Supercedence

AppModel Workflow



if    > 540 MB then deliver  to  using 

Demo Application Model

XenDesktop 7.5 Connector

XenDesktop 7.5 Connector for SCCM

- Extends System Center reach to new users, devices, and locations



Any Device

Any Location

What does the Connector do for you?



Unifies management of application deployments via XenApp/XenDesktop alongside with the current ways via MSI, App-V, Appx, OS-X, and more in SCCM



Extends the admin's ability to deliver any app to any user on any device via Receiver - > (king of the world! 😊)



Improves service levels for XenApp/XenDesktop by gracefully orchestrating software distribution on servers, eliminating user downtime



Leverages all existing infrastructure, skills, and process investments in XenApp/XenDesktop and SCCM all from the ConfigMgr Console

A Comprehensive Desktop Strategy



End-To-End
Management



Security and Data
Protection



Anywhere Access
for Users



Business Continuity

Microsoft
Hyper-V



Microsoft®
System Center

XenDesktop® XenApp®

Citrix Receiver™

Use case

- Synchronize XenDesktop Catalog & Delivery structures within Configuration Manager
- Deploy software to XenApp 7.6 and XenDesktop 7.6 catalogs
- Leverage MSI and App-V applications already defined in Configuration Manager thru global conditions

Use Case

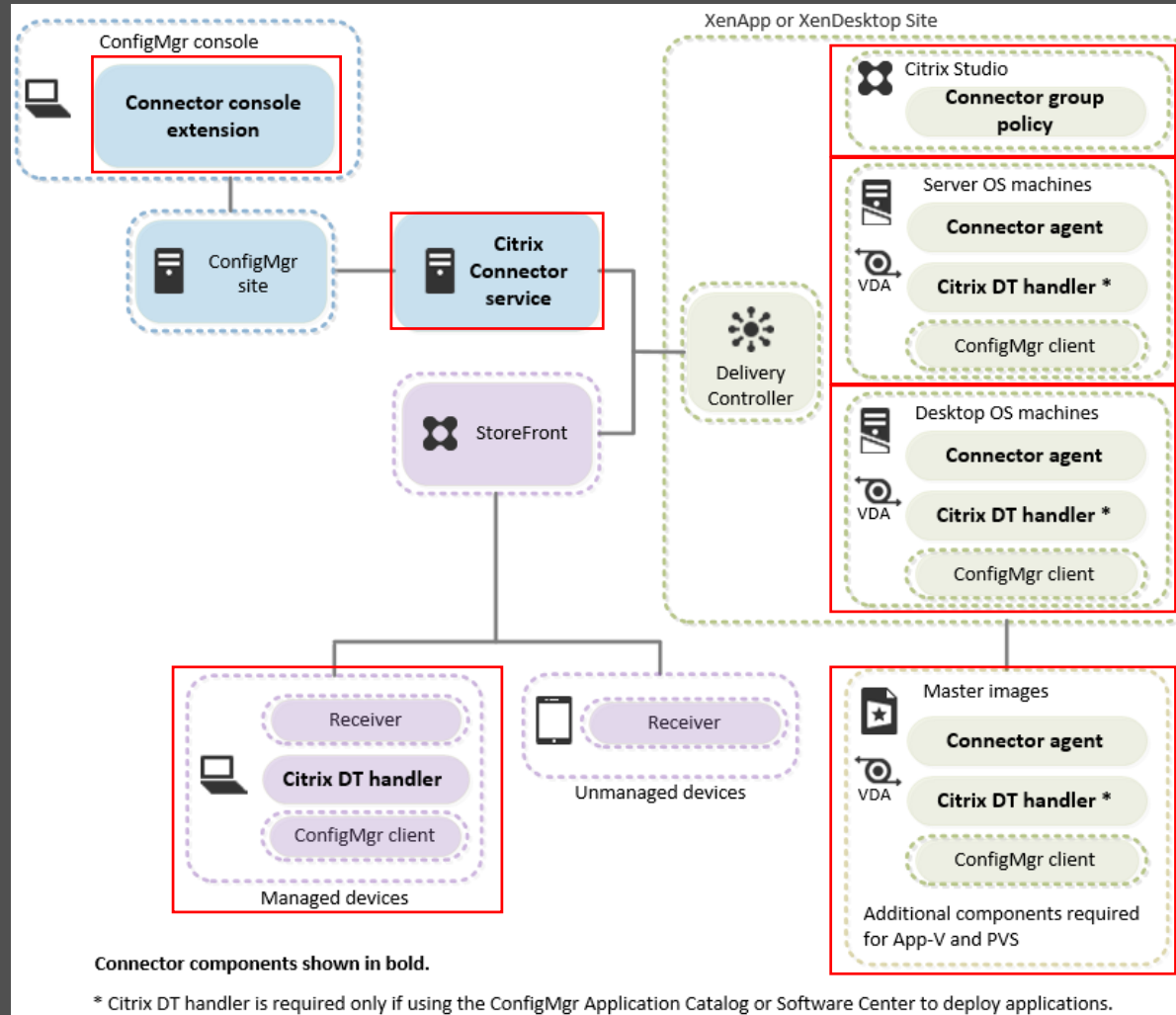
- Deploy applications to both MCS and PVS managed catalogs through Configuration Manager
- Inventories your Xenapp / Xendesktop farm
- Report application deployment success and failure
- Publish applications to StoreFront and Receiver
- Deploy HDX delivered applications to Managed PCs
- Work side-by-side with the XenApp 6.5 Connector

Installation steps

What do we need?

- ConfigMgr 2012 R2 Site
- XenDesktop 7.5+, XenApp 7.5+ farms
 - Delivery Controller(s)
 - MCS + System Center Virtual Machine Manager 2012 R2
 - or PVS
 - Virtual Desktop Agent (VDA)
 - Citrix StoreFront
 - Deployment Type Handler (client + server)
 - Citrix Studio Extensions (Citrix Group Policy Management)

Architecture



Installation steps

ConfigMgr Site / Server

Install Citrix
Connector Service



Install Console
Extensions

Citrix Studio

Install Connector
Group Policy

Installation steps

Master Images for XenDesktop / XenApp

Install Connector
Agent

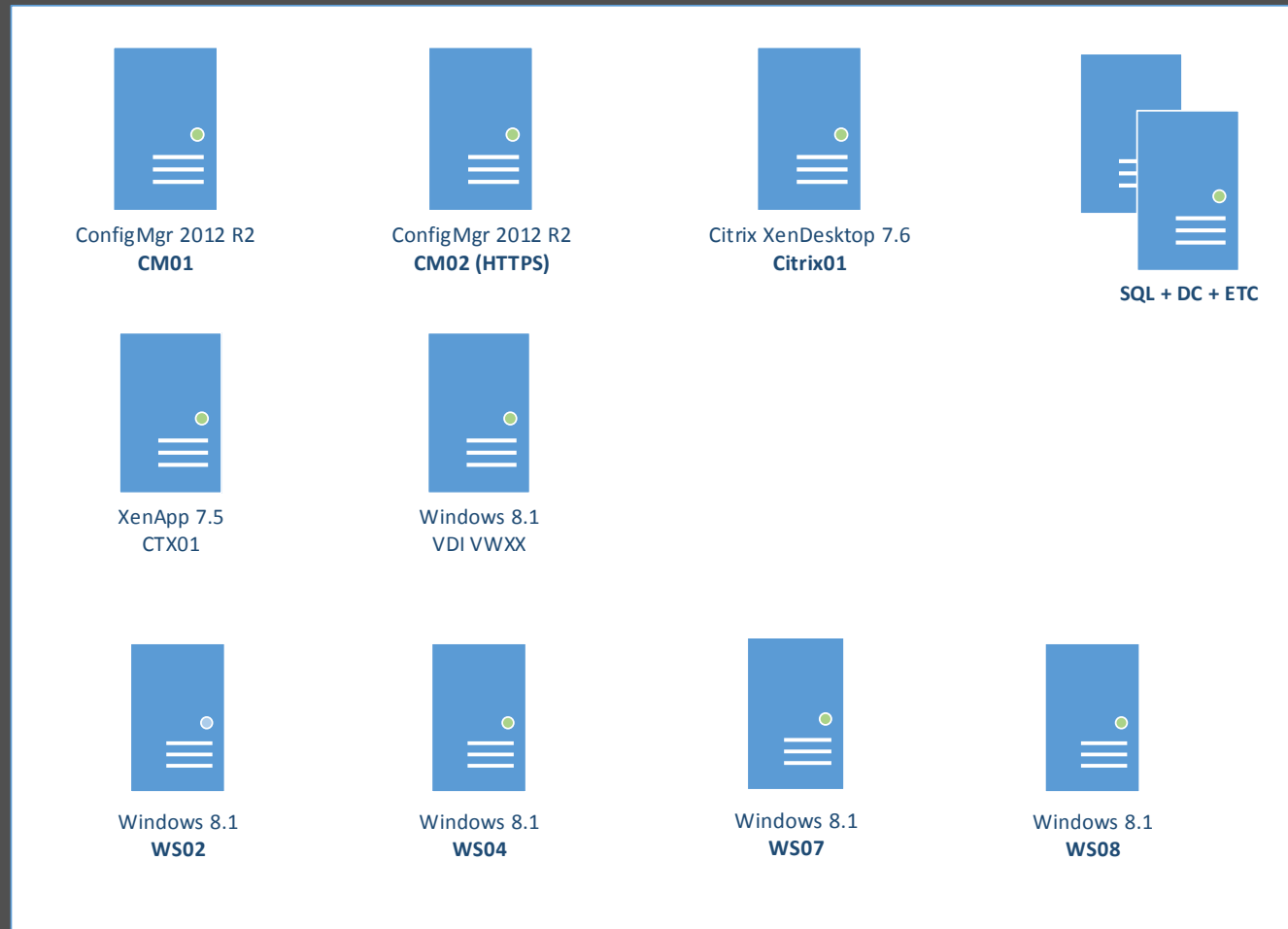


Install Deployment
Type Handler

Managed Clients

Install Deployment
Type Handler

Our lab (ConfigMgrLab)



Windows 2012 R2 Hyper-V + System Center 2012 R2 Virtual Machine Manager

Demo

A look at the infrastructure side of things

What happens after install ?

What do we get extra?

- 1. Additional node (Citrix Application Publication)
- 2. Additional Deployment Type (.Xendesktop/ .Xenapp)
- 3. User/device Collections → Updated by the Citrix connector himself
- 4. Additional Global condition
- 5. Custom Client setting
- 6. Custom hardware classes

New virtual desktop attributes

Citrix_VirtualDesktopInfo

- AssignmentType
- Broker Site Name
- Desktop Catalog Name
- Desktop Group Name
- HostIdentifier
- IsAssigned
- IsMasterImage

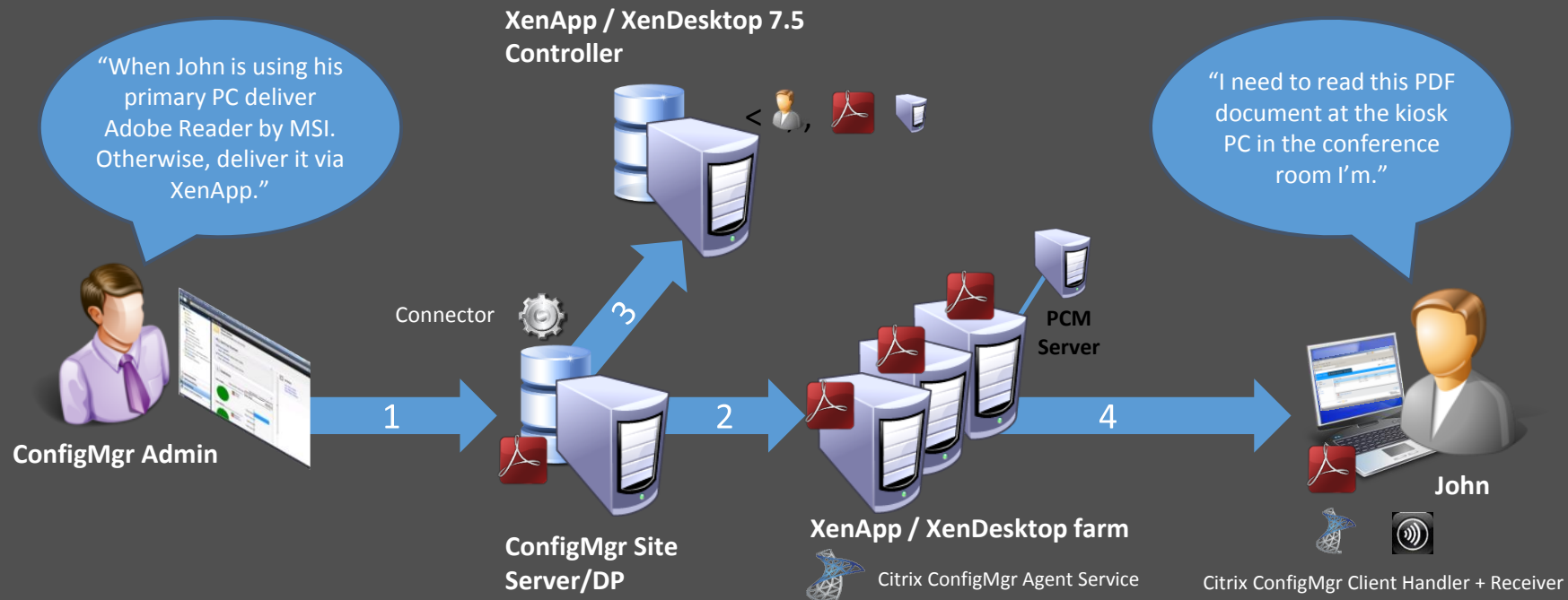
Citrix_VirtualDesktopInfo

- IsProvisioned
- IsVirtualMachine
- OSChangesPersist
- OSImageOutOfDate
- PersistentDataLocation
- PersonalvDiskDriveLetter
- ProvisioningType

Demo

ConfigMgr console

App deployment workflow



Demo scenario 1

Login on Primary Device

Demo will show that the MSI Deployment Type will be started

Demo scenario 2

Login on not primary device

Demo will show that the MSI Deployment Type will be started

Demo scenario 3

Login on kiosk PC

Demo will show that the XenDesktop Deployment Type will be started

Demo scenario 4

Login on internet PC

Demo will show the published App can be started from Storefront web page

CM12 Client tips & tricks?

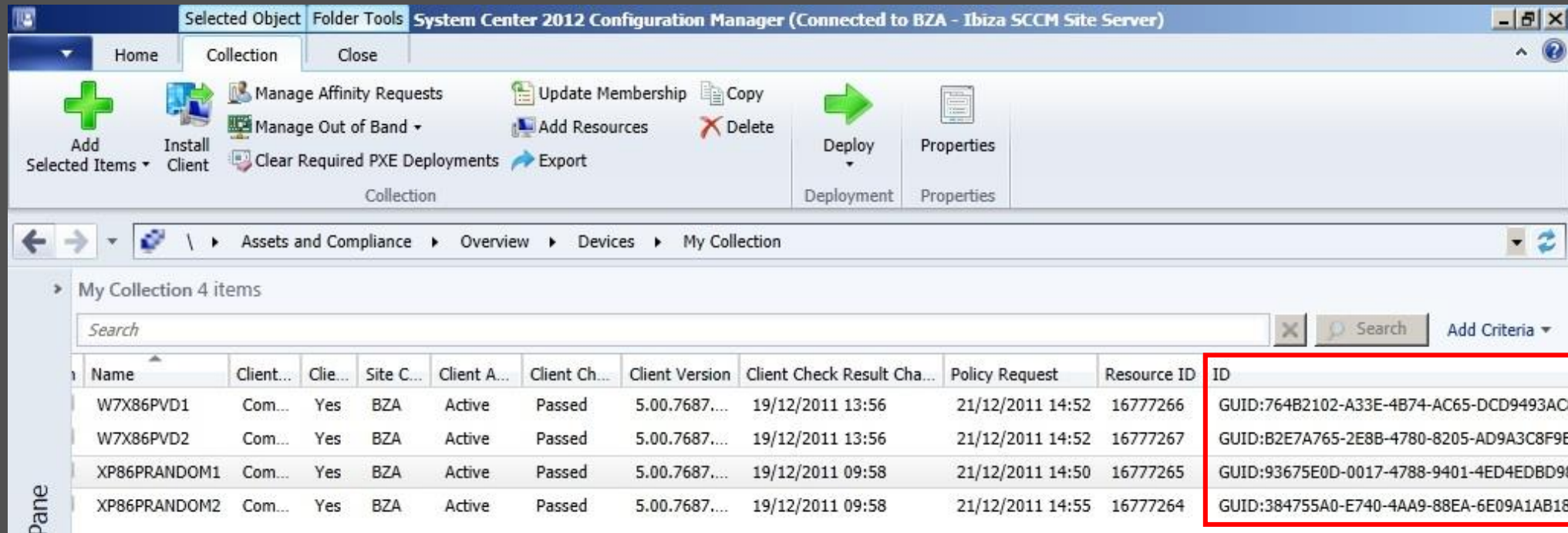
Create your Master PVS VM with care

- Install the Configuration Manager client software on the golden image as part of your automated Configmgr Task Sequence
- Stop the SMS Agent Host service (CCMExec.exe) on the reference computer (net stop ccmexec).
- Delete the C:\Windows\SMSCFG.INI file
- Delete the current certificates in the "SMS" certificate store. (open an MMC.exe)
- Change the provisioning image from private to standard.
- Stream the vdisk to target computers.

Unique Machine IDs for shared image desktops

Check <http://scug.be/sccm/2013/03/27/citrix-provisioning-services-and-microsoft-system-center-configuration-manager-2012-sp1/>

- Shared image virtual desktops register uniquely with ConfigMgr
- Machine IDs persist across VM reboots
- Provides accurate inventory info for shared image desktops



The screenshot shows the System Center 2012 Configuration Manager console. The breadcrumb path is Assets and Compliance > Overview > Devices > My Collection. The table below lists four client machines, with their unique GUIDs highlighted in a red box.

Name	Client...	Clie...	Site C...	Client A...	Client Ch...	Client Version	Client Check Result Cha...	Policy Request	Resource ID	ID
W7X86PVD1	Com...	Yes	BZA	Active	Passed	5.00.7687....	19/12/2011 13:56	21/12/2011 14:52	16777266	GUID:764B2102-A33E-4B74-AC65-DCD9493AC
W7X86PVD2	Com...	Yes	BZA	Active	Passed	5.00.7687....	19/12/2011 13:56	21/12/2011 14:52	16777267	GUID:B2E7A765-2E8B-4780-8205-AD9A3C8F9E
XP86PRANDOM1	Com...	Yes	BZA	Active	Passed	5.00.7687....	19/12/2011 09:58	21/12/2011 14:50	16777265	GUID:93675E0D-0017-4788-9401-4ED4EDBD90
XP86PRANDOM2	Com...	Yes	BZA	Active	Passed	5.00.7687....	19/12/2011 09:58	21/12/2011 14:55	16777264	GUID:384755A0-E740-4AA9-88EA-6E09A1AB18

Log files

- Client with Deployment Type Handler:
 - C:\Program Files\Citrix\Connector for ConfigMgr\DT Handler\Logs\Citrix.ConfigMgr.XenDesktopDTHandler.<date>.log
 - C:\windows\ccm\logs\AppEnforce.log
 - C:\windows\ccm\logs\AppDiscovery.log
- Site Server:
 - C:\Program Files\Citrix\Connector for ConfigMgr\Connector Service\Logs
 - Citrix.ConfigMgr.OrchestrationTask.<date>.log
 - Citrix.ConfigMgr.PublishingTask.<date>.log
 - Citrix.ConfigMgr.SynchronizationTask.<date>.log
 - Citrix.ConfigMgr.XenDesktopConnector.<date>.log

Q&A



Evaluations

Please provide session feedback by clicking the **Eval** button in the scheduler app. One lucky winner will get a free ticket to the next MMS!

Session Title

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