Citrix 入门教程系列

之 XenDesktop4

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一、测试环境

本次实验为了尽可能的简化环境和方便初学者,部署 Citrix 最常见的桌面:基于虚机的 独立虚拟桌面和 PVS 流推送方式的无盘虚拟桌面。至于物理机的发布同基于虚机的独立桌面, 而 PVS 流推送镜像到物理机,可以参考误判虚机桌面,至于 Citrix 的另外两种桌面类型,共 享桌面为 XenApp 发布的共享桌面,在 XenDesktop5 中新增的一种类型,由 MCS (Machine Creation Service)自动创建的有盘虚拟机,我们放到 XenDesktop5 的实验文档中介绍。这里 的分类方式可能和一般 Citrix 虚拟桌面分类的场景可能不同,分类方式不一样。

软硬件环境

机器名	角色	操作系统	IP 地址	备注
CTXDC	域控/DNS/DHCP	2003R2 SP2	10.0.0.61	
CTXDDC	桌面发布控制器	2003R2 SP2	10.0.0.53	Web Interface/License
СТХХР	待发布的虚机	XP SP3	10.0.0.54	为了简单,PVS 模 板我们也适用这台 虚机
CTXPVS	PVS 服务器	2003R2 SP2	10.0.0.55	Provisioning Server

本次实验采用 XenServer 虚机测试,供需要 4 个虚机

安装镜像:

DDC4.0_VDA.ISO

PVS5.6.ISO

为了简单,这里没有使用 PVS5.6_SP1.ISO 镜像,是因为,PVS5.6 在安装 Target Device 的时候,不再自动安装 XenConvert,而是需要单独安装,本次实验为了尽可能的简单,所以选择了 PVS5.6.ISO 镜像

XenDesktop 测试 License: 略

二、安装步骤、

安装前准备

在进行以下的操作以前,需要先安装配置好所有的系统,并保证运行正常

CTXDC:本次实验,采用完全新建立的域(域名: xenme.com),并安装 DNS 和 DHCP 服务。 域控的建立过程略过。另外还需要创建一个用于存放 DDC 信息的 OU。

DNS 需要建立反向查找区域。

打开 DNS 管理单元(开始菜单\管理工具\DNS)

🤶 dn seget - [DHS\CTXDC\反向查找区域]
DNS CTXDC ① 部件查看器 正向查找区域 ① 正向查找区域 添加新区域 新建区域(2) S系统(0NS)允许将 DNS 名称空间分成区域。每个区域存储有关一个或 查看(9) 人这里创建窗口(9) 刷新(2) 刷新(2) 帮助(9) 中个新区域,请在"操作"菜单,单击"新建区域"。

图 1 新建反向查找区域

新建区域向导		X
	欢迎使用新建区域向导	
	此向导帮助您为 DNS 服务器创建一个新区域。	
	区域将 DNS 名称转换成相关数据,例如 IP 地址或网 络服务。	
	要继续,请单击"下一步"。	

新建区域向导
区域类型 DNS 服务器支持不同类型的区域和存储。
选择您要创建的区域的类型:
● 主要区域 (2)) 创建一个可以直接在这个服务器上更新的区域副本。
○ 辅助区域 (§) 创建一个存在于另一个服务器上的区域的副本。此选项帮助主服务器平衡 处理的工作量,并提供容错。
○ 存根区域 (U) 创建只含有名称服务器 (MS)、起始授权机构 (SOA)和粘连主机 (A)记录的区域的副本。含有存根区域的服务器对该区域没有管理权。
☑ 在 Active Directory 中存储区域(只有 DWS 服务器是域控制器时才可用)(▲)
< 上一步 (B) 下一步 (B) > 取消 帮助

图 2 默认选项,下一步

新建区域向导
Active Directory 区域复制作用域 您可以选择在网络上如何复制 DNS 数据。
选择如何复制区域数据:
○ 至 Active Directory 林 xemme.com 中的所有 DNS 服务器(▲)
○ 至 Active Directory 域 xemme.com 中的所有 DNS 服务器 @)
• 至 Active Directory 域 xenme.com 中的所有域控制器 (0)
如果该区域由在同一域中的域控制器上运行的 Windows 2000 DWS 服务器加载,诸选择这个选项。
○ 到在以下应用程序目录分区的范围内指定的所有域控制器 (C):
V
< 上一步 (B) 下一步 (B) > 取消 帮助

图 3 默认,下一步

新建区域向导	×
反向查找区域名称 反向查找区域将 IP 地址转换为 DNS 名称。	
要标识反向查找区域,请键入网络 ID 或区域名称。 ● 网络 ID (E): 10 .0 .0 . 网络 ID 是属于该区域 IP 地址的部分。用正常(不是反向的)顺序输入 网络 ID。	
如果在网络 ID 中使用了一个零,它会出现在区域名称中。例如,网络 ID 10 会创建 10.in-addr.arpa 区域,网络 ID 10.0 会创建 0.10.in-addr.arpa 区域。 C 反向查找区域名称 (V): 0.0.10.in-addr.arpa	
有关创建反向查找区域的详细信息,诸单击"帮助"。	
< 上一步 (B) 下一步 (B) > 取消 帮!	助

图 4 输入网络 ID(目前测试虚机所在网段为 10.0.0/24)

新建区域向导
动态更新 您可以指定这个 DNS 区域接受安全、不安全或非动态的更新。
动态更新能使 DNS 客户端计算机在每次发生更改时,用 DNS 服务器注册并动态更 新资源记录。
请选择您想允许的动态更新类型:
 <u>只允许安全的动态更新(适合 Active Directory 使用)(S)</u> Active Directory 集成的区域才有此选项。
 允许非安全和安全动态更新 (A) 任何客户端接受资源记录的动态更新。 因为可以接受来自非信任源的更新,此选项是一个较大的安全弱点。
○ 不允许动态更新 ⑪) 此区域不接受资源记录的动态更新。您必须手动更新这些记录。

新建区域向导			×
	正在完成新建区域向导 您已成功完成了新建区域向导。您指定了如下设置:		
	名称:	0.0.10.in-addr.arpa	
	类型:	Active Directory 集成主要区域	
	查找类型:	反向	
	注意:您应该现 得到动态更新。 解析。 要关闭此向导并(在将记录添加到区域,或者确保记录 然后,您可以用 nslookup 验证名称 创建新区域,诸单击"完成"。	
	<上一步®)	完成 取消 帮助	

图 5点击"完成",建立区域

DHCP 配置(DHCP 组件安装: 控制面板\添加删除程序\添加删除 windows 组件\网络服务,可以自行添加)

打开 DHCP 管理单元(开始菜单\管理工具\DHCP)

<u>Цо</u> DHCP			
文件 (2) 操作 (4) 查看 (V) 帮助 (H)			
Ф риср	ctxdc. xenn	e. com [10.0.0.61]	
Line 服务器选项	显示统计信息 (S)		
	新建作用域 (P)	一个作用域	
	新建多播作用域(20)	紧给请求勃态 IP 地址的计算机的 IP 地址范围。您	
	备份 (B)	查一个作用或之后才能指微动态 IP 地址。	
	· 还原 @)	作用哦,诸任"馔作"来单下单击"新建作用哦"。	
	协调所有作用域 (A) 撤销授权 (Z)	> 服务器的详细情况,请参阅联机帮助。	
	定义用户类别 @) 定义供应商类别 @) 设置预定义的选项 @)		
	所有任务(医)		
	查看 (V) 🕨 🕨		
	删除 @) 刷新 @)		
创建一个新的作用域	属性 (B)		
	帮助(H)		

图 6新建作用域(过程就略过了)

Lo dhcd			
文件 健) 操作 (▲) 查看 (⊻) 帮助 θ)			
DHCP Image: Constraint of the second se	 服务器选项 服务器选项是一台 DHCP 服务器可以指派给 DHCP 客户端的额外配置参数。例如,某些常用的选项包括默认网关 (路由器)、WINS 服务器以及 DNS 服务器的 IP 地址。 服务器选项将作为所有作用域的默认值。您可以通过在"作用域选项"中定义选项的方式改写这些服务器选项中的任何一个。 要设置服务器选项,请在"操作"菜单下单击"配置选项"。 有关服务器选项的详细信息,请参阅联机帮助。 		
配置服务器选项			

图 7 创建完成作用域后,需要配置 DHCP 66 和 67 选项(测试可以直接配置服务器选项)

服务器 选項	<u>? ×</u>
常规 高级	
可用选项	<u>说明</u>
□ 065 NIS+ 服务器	指出 NIS+ 服务器
☑ 066 启动服务器主机名	TFTP 启动服务器E
□ 067 启动文件名	启动文件名
□ 068 移动 IP 主代理	按优先级排列的移
□ ∩c∩ 符前邮件,结验帖\\\\ (curre)肥久盟	司卅安白炭徳田战▲
一致活制八	
子符审值 (S):	_
ctxpvs	
_	
确定	取消 应用(A)

图 8 配置 66 option (可以使用机器名或者 IP)

服务器 选項	? ×
常规 高级	
)¥ -0
可用选项	说明
□ 065 NIS+ 服务器	指出 NIS+ 服务器
	TFTP 启动服务器E
	启动文件名
□ 068 移动 IP 主代理	按优先级排列的移
□ nen 結前面/冲,住給帖/⑴ (curro)肥久 盟	司卅安白綜佈田改善
字符串值 (S):	
ARDBP32. BIN	
	取消 应用(A)

图 9 配置 DHCP 67 option

创建 OU (开始菜单\管理工具\AD 用户和计算机)

Froyo's Blog:	http://	/xenme.com
, .		

<i>≪</i> Active Directory 用户和计算机	L .			
🥪 文件 (P) 操作 (A) 查看 (V) 窗 🛛	口()) 帮助())			_ 8 ×
	😰 💷 🦉 👸	i 💩 🖓 🍕 🙍		
🗳 Active Directory 用户和计算机	xenne.com	5 个对象		
	名称	类型	描述	
 Buil 委派控制 (2) 查找 (1) 查找 (1) 查找 (2) 连接到域 (2) 连接到域 (2) 连接到域 (2) 提升域功能级别 (2) 操作主机 (0) 新建 (1) 所有任务 (2) 查看 (2) 从这里创建窗口 (2) 刷新 (2) 导出列表 (1) 属性 (2) 帮助 (2) 	Ltin puters sin Co eignSe rs 计算机 联系人 组 InetOrgP MSMQ 队场 组织单位 打印机 用户 共享文件	builtinDomain 容器 组织单位 容器 容器	Default container fo Default container fo Default container fo Default container fo	ß
在此容器中创建一新的项目。				

图 10 新建组织单位(OU)

新建对象 - 組织单位	×
创建在: xerume.com/	
名称(A):	
XenDesktop	

图 11 设置 0U 名称

<i>≪</i> Active Directory 用户和计算	Ĺ			
≪ 文件(E) 操作(A) 查看(V) 窗	口(W) 帮助(H)			_ ð ×
⇐ ⇒ 🗈 🖬 👗 🛍 🗙 😭	🖻 🖹 😫 🖬	🦉 🖉 🐌 💎	🍕 🗽	
🗳 Active Directory 用户和计算机	IenDesktop	0 个对象		
□····································	名称	类型	描述	
E Builtin		此视图中没有	有可显示的项目。	
Users				

图 12 组织单位创建完成

其余 4 台 VM 虚机,全部安装完完操作系统,配置完 IP 地址,加入域(xenme.com)后,所 有的系统均需要预先安装 DotNet3.5SP1。全部完成以后,可以开始下一步的操作

I)基于 VM 的虚拟桌面

1) 安装并配置 CTXDDC

安装 CTXDDC

挂载 DDC4.0_VDA.ISO 镜像到 CTXDDC 虚机,并运行 Autorun.exe。

注意: 需要使用域管理员登录安装

Welcor This is the install co	ne e installation program for Citrix Desktop Delivery Controller. From here you can mponents of the product or learn more about how to install and use it.
¢,	⊻iew Welcome Note View this document to access links to Citrix XenDesktop documentation.
	Install Server Components Select which of the essential Citrix XenDesktop server components to install.
	Install Optional <u>Components</u> Install the optional or advanced components of the Desktop Delivery Controller.

Citrix Desktop Delivery Controller Setup
Citrix Desktop Delivery Controller 4.0 Citrix
CITRIX [®] LICENSE AGREEMENT
This is a legal agreement ("AGREEMENT") between you, the Licensed User, and Citrix Systems, Inc., Citrix Systems International GmbH, or Citrix Systems Asia Pacific Pty Ltd. Your location of receipt of this product or feature release (both hereinafter "PRODUCT") or technical support (hereinafter "SUPPORT") determines the providing entity hereunder (the applicable entity is hereinafter referred to as "CITRIX"). Citrix Systems, Inc., a Delaware corporation, licenses this PRODUCT in the Americas and Japan and provides SUPPORT in the Americas. Citrix Systems International GmbH, a Swiss company wholly owned by Citrix Systems, Inc., licenses this PRODUCT and provides SUPPORT in Europe, the Middle East, and Africa, and licenses the PRODUCT in Asia and the Pacific (excluding Japan). Citrix Systems Asia Pacific Pty Ltd. provides SUPPORT in Asia and the Pacific (excluding Japan). Citrix Systems Asia Pacific Pty Ltd. provides SUPPORT in Asia and the Pacific (excluding Japan). Citrix Systems Asia Pacific Pty
I do not accept the license agreement
< <u>Back</u> Cancel



Create or Join a Farm

Servers running Citrix Desktop Delivery Controller are grouped into farms.

If this is the first controller to be installed in a farm, click Create new farm. To join an existing farm, click Join existing farm.

<u>Create new farm</u> Iype a name for the farm: Froyo
Join existing farm Type the name of the first controller in the farm:
< <u>B</u> ack <u>Next</u> Cancel

图 14 创建新 Farm (集群),并设置 Farm 的名称



图 16 默认即可(为了简便,由 Citrix 自动安装配置数据库)

< <u>B</u>ack

Next >

Cancel



图 17 下一步,开始安装

安装过程可能会持续 20 分钟以上(视虚机性能)

开始安装后,不久可能会提示放入 2003R2 的安装光盘,所以请在看到提示后换上 2003R2 光盘,等片刻,会自动安装,复制安装完 window 2003R2 的相关角色(IIS 等)后,会提示 找不到 XenDesktop 的安装文件,此时情先挂载 DDC4.0_VDA.ISO 镜像,稍等片刻(等镜像挂 载完成)后,点击确定。提示见下图:

Citrix De	sktop Delivery Controller Setup
Citrix	Desktop Delivery Controller 4.0 Citrix
Please wai	t while components are installed
Ş	Prerequisites
Citrix	Desktop Delivery Controller Setup
1	The 32-bit English installation media for Citrix XenDesktop was not found at 'D:\w2k3\en'. Please make the media accessible at that location and select OK.
	To continue installation with media at a different location, select Cancel and run setup.exe from the new installation media location.
	顺定 取消
	< <u>B</u> ack <u>N</u> ext > Cancel

图 18 请先挂载 DDC4.0_VDA.ISO 镜像, 稍等片刻后点击确定

Citrix D	esktop Delivery Controller Setup
Citrix	Desktop Delivery Controller 4.0
Please w	ait while components are installed
Restart	Computer
1	It is necessary to restart your computer to continue the installation. When the computer has restarted, log on as the current user to continue with the installation. If the Citrix Desktop Delivery Controller setup program does not restart automatically, run the setup program again from the installation media. Do you want to restart the computer now?
	< <u>B</u> ack <u>N</u> ext > Cancel

图 19 在图 15 中点击确定以后, 会看到需要重启的提示, 点击"是"

Citrix I Citrix)esktop I Dockt 硬件安装	Delivery Controller Setup	R İX
Please v	<u>.</u>	正在为此硬件安装的软件: 打印机 没有通过 Windows 徽标测试,无法验证它同此 Windows 版 本的兼容性。(<u>告诉我为什么这个测试很重要</u>) 继续安装此软件会立即或在以后使系统变得不稳定。 Licrosoft <u>强烈建议您現在停止此安装,并同硬件供</u> 应商联系,以获得通过 Windows 数标测试的软件 。	
0			
		< <u>B</u> ack <u>N</u> ext > Ca	ncel

系统重新启动以后,使用域管理员账号登陆,安装将自动开始

图 20 安装过程中会有驱动安装的提示 (大概 6 个), 请注意选择安装

Citrix Desktop Delivery Controller Setup				
Citrix	Desktop Delivery Controller 4.0 Citrix			
Please w	ait while components are installed			
Restart	Computer			
	It is necessary to restart your computer to continue the installation. When the computer has restarted, log on as the current user to continue with the installation. If the Citrix Desktop Delivery Controller setup program does not restart automatically, run the setup program again from the installation media. Do you want to restart the computer now?			
	< <u>B</u> ack <u>N</u> ext > Cancel			

图 21 点击"是",重启服务器

服务器重启后,使用域管理员账号登陆,安装会自动继续



图 22 配置 OU 和 License, 直接点击 "Finish"

配置 License

🚰 Configuration : License Files - ctxddc - Citrix License Management Cons 💶 🗅 >					
文件 (2) 编辑 (2) 查看 (2) 收藏 (4) 工具 (1) 帮助 (4) 🦺					
🕝 后退 🖌 🕥 🖌 🗾 😚 🔎 搜索 🥋 收藏夹 🤬 😥 🚽 💺 🔜					
地址 @) 🕘 http://localhost/lmc/configuration/licenseFiles.jsp?lc=en-us 💽 🎅 转到 链接 👌					
Current Usage Historical Usage Configuration User Administration					
License Files File Locations Threshold Options Update license data					
License files folder on license server: C:\Program Files\Citrix\Licensing\MyFiles\					
To add or update licenses for this license server:					
Step 1: Download license file from MyCitrix.com 🔤					
Step 2: Copy license file to this license server					
🕑 🔰 本地 Intranet					

🖉 Configuration : V	load license file	- ctxddc - Citrix Li	cense lanagemen
文件(正) 编辑(正) 查報	昏(V) 收藏(A) 工具(<u>I</u>) 帮助(H)	2
🔇 后退 👻 🕤 👻 💈	〕 🚮 🔎 搜索 🛭 🏫 收	藏夹 🥝 🔝 🖓 🛃	
地址 @ 🙆 http://local	lhost/lmc/configuratio	n/uploadLicenseFile.jsp	💌 芝 转到 🛛 链接 ᠉
License Man	agement Co	nsole	
	- g		
Current Usage	Historical Usage	▹ Configuration	User Administration
Liconso Eilos			<u></u>
File Locations	L L	pload licens	se file
Threshold Options	S		
License File	\\10.0.0.40\iso\lice	nse_ctxddc.lic	
	Upload 📭 🛛 C	ancel 🖸	
•			
ど 完毕			Note:

图 23 "浏览"选择 License 文件,并 Upload 即可

配置 OU



图 24 弹出的另外一个窗口,用于配置 OU

📮 Acti	Select Farm OV	<u>?</u> ×	_ <u> </u>
Citri	Select the Farm OU for your Citrix Desktop Delivery Controller AD Setup		CITRIX
Cor Selec use ti Selec	 xenme Builtin Computers Omain Controllers ForeignSecurityPrincipals Users 2 XenDesktop 		ton. You can either Browse
	通定 取消 く Back	<u>N</u> ex	t > Cancel

图 25 选择 OU

SActive Directory Configuration Tizard	<u> </u>
Citrix Desktop Delivery Controller 4.0	TRIX
Configure Farm OU in Active Directory	
Select an existing Active Directory OV using the Browse button. You c use this as your farm OV or create a new farm OV within it.	an either
Select OV	
OV=XenDesktop, DC=xenme, DC=com)ro <u>w</u> se
Create farm OU within the OU selected above	
1.1.010	
< <u>B</u> ack <u>N</u> ext >	Cancel

图 26 在选择的 OU 中创建 Farm OU

😨 Active Directory Con	Active Directory Configuration Tizard					
CITRIX	Completing the Active Directory Configuration Wizard The following configuration will be applied y	when you				
	AD Setup will perform the following tasks	<u> </u>				
	OV=Froyo 'Farm SCP' SCP 'Controllers' Group 'RegistrationServices' OV	 				
	Copy To Clipboard					
	<u> Back</u>	incel				

图 27 单击 "Finish",完成 OU 配置

Active Directory Configuration	
LDAP://10.0.0.61/CN=Controllers,OV=Froyo,OV=XenDesktop,DC=xen [Success]	me, DC=com 🔺
Create CN=RegistrationServices LDAP://10.0.0.61/CN=RegistrationServices,OV=Froyo,OV=XenDeskt me,DC=com [Success]	op, DC=xen
Register Farm OV [Success]	
 Add Farm Controllers	[]
This controller [Success]	
Configuration Summary	
The Active Directory OU was configured successfully [Success]	
Copy To Clipboard	<u>C</u> lose

配置完成 OU 以后,会弹出提示窗口(如果没有弹出窗口,可以在开始菜单\所有程序

\Citrix\Management Console\Delivery Services Console)



图 28 点击"是"

Telcome	
Steps	This is the discovery wirard for the Delivery Services Console. It will guide you through th discovery process.
Select Products or Components	Before using the Delivery Services Console, you must run discovery to establish contact betwee items in your deployment and the console.
Configure Discovery Discovery Progress	
	📃 🗖 Skip this screen in future 🐎 🖉





Configure and run discovery								
CİTRIX '								
Select Controllers								
Steps	Specif you wa	fy at least ant to admir	one controll mister.	er running (Citrix De	sktop Deliver	y Controller i	n each farm that
✓ Welcome ✓ Select Products or				Add Local (Computer			
Components Configure Discovery	Con	ntrollers:						
Desktop Delivery Controller	<u>101</u>	Abbe						<u>A</u> dd <u>R</u> emove
 SelectControllers Preview Discovery 								
Discovery Progress								
						< <u>B</u> ack	<u>N</u> ext >	Cancel

图 30 Add Local Computer

onfigure and run discovery		
Preview Discovery		k,
Steps	Check the summary configuration information discovery, click Next.	below. To make any changes, click Back. To start
✔ Welcome	Desktop Delivery Controller	
✓ Select Products or Components	Loninguration Lonirollers: LINUU	и с
🗸 Configure Discovery		
 Desktop Delivery Controller 		
✓ Select Controllers		
▶ Preview Discovery		
Discovery Progress		
		🍉 🕹
		< <u>B</u> ack <u>N</u> ext > Cancel

Configure and run discovery

CİTRIX'

Discovery Progress

Use this page to monitor the progress of discovery and check any errors.



图 31Discovery 完成以后,选择 Finish

🖟 Citrix Delivery Services Console					
文件(E) 操作(A) 查看(V) 帮助(H)				
← → EN P P F Citrix Delivery Services Console A Alerts Search Results My Views Citrix Resources Configuration Tools → Controllers → Controllers	My Views Search Common Tasks Search Configure and run discovery Run discovery Other Tasks Set accessibility options BelatedTools Citrix Knowledge Center (***) Claunches external application	Citrix Delivery Server Citrix Velcome Image: Console provides a central location environment. Before you begin, you must first run the diestablish contact between your deployment and this consolis covery was last run across all Citrix products on: 20 Configure and run discovery Run discovery Configure and run discovery Run discovery Configuration Tools Depending on the Citrix products you install, use Configuration Tools to configure and maintain your Citrix deployment. Deskto Adminideliver Deployment status Status Name Unr OK Froyo Froyo Var			
		× *			

图 32 运行完成后,正常显示如图界面

指定 Farm 的 License Server

📴 Citrix Delivery Services Console	
文件 (2) 操作 (4) 查看 (Y) 帮助 (1)	
② Citrix Delivery Services Console ▲ Alerts Search Results My Views Citrix Resources ③ Configuration Tools ④ Configuration Tools ⑤ Desktop Delivery Controlle ○ Desktop Delivery Controlle ○ Configuration Tools ○ Configuration Tools ○ Desktop Delivery Controlle ○ Configuration Modify farm properties ▲ Add administrator Save in My Views ○ Add ⑤ Tasks Ø Sall (C) Ø Min (P) ● Configuration	Froyo Contents Administrators Name Administrators 1 item Select one or more items to view details and associated tasks

图 33 设置 Froyo(Farm 的名称)的属性

Froyo - Farms Properties	
Froyo - Fares Properties Properties: Farm-wide Connection Access Controls Desktop Delivery Controller General Session Reliability FICA Auto Client Reconnect Keep-Alive License Server HDX Browser Acceleration Flash	License Server Specify either a new license server name or an IP address. Name: Port number (default 27000): 27000 T
	OK Cancel Apply

图 34 设置 License 服务器为本机, 输入 hostname 或者 IP

2) 安装并配置 XenDesktop Agent

安装 Desktop Agent,在 CTXXP 虚机上挂载 DDC4.0_VDA.ISO,并运行 Autorun.exe

Welco	me
This is tł install co	ne installation program for Citrix Desktop Delivery Controller. From here you can components of the product or learn more about how to install and use it.
¢,	⊻iew Welcome Note View this document to access links to Citrix XenDesktop documentation.
R	Install Virtual Desktop Components Install the Virtual Desktop Agent to enable this computer as a virtual desktop that is managed by the Desktop Delivery Controller.
	Install Optional <u>Components</u> Install the optional or advanced components of the Desktop Delivery Controller.

图 35 选择安装虚拟桌面组件



图 36 弹出 agent 安装界面,选择"Next"



图 37 接受协议, NEXT

🕞 Citrix Virtual Desktop Agent x86 Setup	×
Port Number Configure the TCP/IP port	K
Enter the TCP/IP port number that this virtual desktop will use to receive communications from servers running Citrix Desktop Delivery Controller.	
ICP/IP port (default 8080): 3080	
< <u>B</u> ack <u>N</u> ext > Cancel	

图 38 设置 Agent 监听的端口, 默认即可



图 39 自动配置防火墙,或者手动开放 8080 的入站权限

🖟 Citrix Virtual Desktop Agent x86 Setup 🛛 🔀
Farm Selection CITRIX* Select the farm for this virtual desktop CITRIX*
This virtual desktop is not associated with a farm. If you know the name of the farm for this virtual desktop, select it from the list below. Otherwise an administrator can configure this remotely later. See the product documentation for details. O configure the farm later Select the farm now List of farms:
Froyo

图 40 选择 Farm,如果安装 DDC 配置有问题,这里没有出现选择 Farm,那么需要检查 DDC 的

安装配置过程



图 41 "Install", 开始安装



图 42 安装完成, 点击"Finish"



图 43Agent 安装结束以后,需要重启虚机。

3)发布 CTXXP 虚机桌面

在 CTXDDC 服务器, 打开 Delivery Services Console (开始菜单\所有程序\Citrix\Management

Console\Delivery Services Console)

🕏 Citrix Delivery Services Console 📃 🗖 🗙						
文件 (E) 操作 (A) 查看 (Y) 帮助 (H)						
Citrix Delivery Services Console Alerts Search Results My Views Citrix Resources Configuration Tools Desktop Delivery Controlle Proyo Administrators Controllers Controllers Controllers Control Crance Cree Sav Min Min Min Min Min Min Min Min Min Min	Wome My Views Common Tasks Change display Change display Create folder Save in My Views Save in My Views atte desktop group Save in My Views ff在然(E) ● ff(公) ● ff(公) ● ff(C) ●	Search	Desktop Groups Contents There are no items to display. D items	CİTRİX		

图 44 创建桌面组(Desktop group)

İTRIX'	\mathbb{R}^{2}
felcome Welcome to the Create	Desktop Group wizard.
Steps	This wizard guides you through the process of creating a group of virtual
Telcome	desktops so users can connect to a desktop running in the desktop hosting infr
Assignment Type	After creating a desktop group, you can change its settings by selecting the
Hosting Infrastructure	desktop and choosing Modify desktop group properties from the Common Tasks par in the Delivery Services Console.
Virtual Desktops	
Users	
Desktop Group Name	
Icon	
Publishing Options	
	Skin this screen in the future



图 45 选择 Pooled 方式(关于 Assigned 分配方式大家可以自行尝试)

Kosting Infrastructure Steps Valcome Assignment Type Noting Infrastructure Logon Information Virtual Desktops Usars Desktop Group Name Icon Publishing Options	Create Desktop Group	(3/9)	×
Kosting Infrastructure Steps V Welcome Assignment Type Hosting Infrastructure Logon Information Virtual Desktops Users Desktop Group Name Icon Publishing Options	CİTRIX '		
Steps Velcome Assignment Type Hosting Infrastructure Logon Information Virtual Desktops Users Desktop Group Name Icon Publishing Options	HostingInfrastructure Select your desktop	hosting infrastructure.	
	Steps Velcome Assignment Type Nosting Infrastructure Logon Information Virtual Desktops Users Desktop Group Name Icon Publishing Options	Select the desktop hosting infrastructure for this desktop group. If the technology you are using is not in the list, select None. <u>Hosting infrastructure:</u> Citrix Xen VM infrastructure (included with XenDesktop) Citrix Xen VM infrastructure (included with XenDesktop) WMware virtualization <u>None</u>	
V DACK NEXT / LADCEL		A Back Next > C	ancel

图 46 由于采用虚机方式,所有这里选择 None
Create Desktop Gr	oup (4/8) X
CİTRIX '	
Virtual Desktops Select virtual	desktops to add to this desktop group.
Steps	To select virtual desktops, click Add.
V neicome	Virtual desktops.
V Assignment Type	AD Computer Account
Infrastructure	EFT F.O.
► Virtual Deskt	选择对象类型 (2):
Users) 计算机 対象类型 (0)
Desktop Group	查找位置 (2):
Icon	整个目录
Publishing Opt	输入对象名称来选择 (<u>示例</u>) (E):
	CTXXP 检查名称 (C) 2
	高级 (b) 面鏡 (b)
	Export to File Import from File
	< <u>B</u> ack <u>N</u> ext > Cancel

图 47 添加要发布的机器(本实验为 CTXXP)

Create Desktop G	iroup (5/8)			x
CİTRIX '				
Vsers				
Specify the u	sers that can access desktops in this desktöß group.			
Steps	To add users, click Add.			
✓ Welcome	上 送择用户或組		?×	
✓ Assignment Type ✓ Hosting	选择对象类型 (2):			A <u>d</u> d
Infrastructure	用户或组	对象类型	<u>1</u> 0	Remove
 Vsers 	查找应查 (2): [整个目录		D	
Desktop Group	, 输入对象名称来选择 (<u>示例</u>) (2):			
Icon Bublichica Oct	xenme.com\domain users		称(2)	
rubiishing opt	-			
	高級 (4)	Į Ą	则	
· ·				
		< <u>B</u> ack	<u>N</u> ext >	Cancel

图 48 设置哪些用户可以访问该桌面组(这里设置为 Domain Users)

Virtual Desktop XP - Cr	eate Desktop Group	×
CİTRIX		
DesktopGroupHame Provide a name and de	scription for this desktop group.	
Steps	Specify the name and description displayed to users that view desktops in thi desktop group using Windows mode.	s
🗸 Welcome		
🗸 Assignment Type	Display name:	
✓ Hosting Infrastructure	Virtual Desktop XP	
🖌 Virtual Desktops	Des <u>c</u> ription:	
🗸 Users		
► Desktop Group Name		
Icon		
Publishing Options		
		1

图 49设置桌面组的显示名称

Virtual Desktop XP - Cre	ate Desktop Group (7/8)	X
CITRIX'		
Icon Specify a custom icon :	for this desktop group.	
Steps	Specify the icon displayed to users that view desktops in this desktop group	
✓ Welcome	Icon	
 Assignment Type Hosting Infrastructure 	Current icon: E Change icon	
🗸 Virtual Desktops		
🗸 Vsers		
🖌 Desktop Group Name		
► Icon		
Publishing Options		
	< Back Next Cancel	_

图 50 使用默认图标,下一步

Virtual Desktop XP - Cu	reate Desktop Group (8/8)
CİTRIX '	
PublishingOptions Optionally, disable t	his desktop group and configure advanced settings.
Steps V Welcome Assignment Type Hosting Infrastructure Virtual Desktops Users Desktop Group Name Icon PublishingOptions	The essential settings for this desktop group have been configured. When the wizard is finished, desktops in this desktop group will be available to users immediately. Select the checkbox if you want to disable the desktop group until you are ready. Disable desktop group initially Advanced desktop settings default to the most common settings and are not required. You can configure these settings now, or later using the Modify desktop group properties task. Configure advanced settings for desktops in this group now
	< Back Finish Cancel

图 51 桌面组创建完成

😼 Citrix Delivery Services Cons	ole	
文件(E) 操作(A) 查看(V) 帮助(H)	1	
 ← → È II P C P Citrix Belivery Services Console Alerts Search Results My Views Citrix Resources Configuration Tools Desktop Delivery Controlle Proyo Administrators Controllers Controllers Controllers Controllers Virtual Desktop 	Image: None Image: None	Virtual Desktop XP Virtual Desktops Virtual Desktops AD Computer Account Desktop State Assigned etxxp.xenme.com Idle Ctxxp.xenme.com Tasks Click on a task from the list below. Remove from desktop group Enable maintenance mode
<u>۲</u>		

图 52 展开创建的 Desktop Groups,可以看到右边添加的 ctxxp 桌面已经加入进来,请检查 Desktop State 是否为 Idle 或者 In Use,如果显示 Not Register,那么可以把 CTXXP 虚机重启

4)系统测试

在 CTXDDC 服务器, 打开 IE, 输入 <u>http://localhost</u>



图 53 输入账号密码以及域, 然后登录



图 54 第一次登陆, 需要先安装插件

Froyo's Blog: <u>http://xenme.com</u>

叠Citrix XenDesktop - 允许 ActiveX 控件 - ∎icrosoft Internet Explorer -	
文件 (E) 编辑 (E) 查看 (Y) 收藏 (A) 工具 (E) 帮助 (H)	
🔇 后退 🔻 🕥 👻 😰 🐔 🔎 搜索 👷 收藏夹 🤣 😥 🚽	
地址 @) 🙋 http://localhost/Citrix/DesktopWeb/clientDetection/nativeClientD	▶ 转到 链接 ≫
CITRIX 文件下載 - 安全警告	×
图 ····································	
名称: CitrixOnlinePluzinWeb.exe	
允许 ActiveX : 发送者: localhost	
● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	消
Citrix XenDes	
▲ ▲ ◎ C ・ *********************************	
② 部內站需要运行 ● 17 % A(IT ● 17 19/A) (M) Win32)* , 如	-
② 完毕	ntranet 🥢

图 55运行安装 Citrix Plugin



图 56 安装完成后,系统默认会自动打开桌面,如果没有,可以点击"单击使之连接"



图 57 这个 XP 桌面就是通过 Citrix 发布的基于虚机的虚拟桌面

测试可以用其他电脑,输入 CTXDDC 服务器 IP 地址,登录并下载安装插件即可

II)基于 VM 的 PVS 无盘虚拟桌面

1) 安装 PVS 服务器

PVS 服务器的安装全部在 CTXPVS 服务器上操作, 挂载 PVS5.6.ISO

安装 SQL Express

运行 PVS5.6.ISO 镜像中的 X:\SQL SERVER 2005 EXPERSS\SQLEXPR32.EXE SQL EXPRESS 2005 的安装过程就不继续讲了。一路默认配置安装即可



下面需要配置下数据库(开始菜单\所有程序\SQL SERVER 2005 EXPRESS\Configuration

Tools\SQL Server Configuration Manager)



图 58 首先需要启用 Named Pipes 和 TCP/IP 协议

Ξ	IP1 Active	Yes
	Enabled	Yes
	IP Address	10.0.0.55
	TCP Dynamic Ports	0
	TCP Port	
Ξ	IP2	
	Active	Yes
	Enabled	Yes
	IP Address	127.0.0.1
	TCP Dynamic Ports	0
	TCP Port	
Ξ	IPA11	
	TCP Dynamic Ports	0
	TCP Port	1433
T(TC	CP Port CP port	

图 59 这里启用了所有的 IP 地址的监听,可以根据需要配置



图 60 全部设置完成以后,需要重启 SQL 服务,才能生效

安装 PVS

CİTRIX	• Provisioning Services 📵
ſ	Console Installation
	Server Installation
	Target Device Installation
	➡ <u>H</u> elp and Support
	😰 Browse DVD 😥 E <u>x</u> it
	Install the Server and its dependencies.

CİTRIX	C Provisioning Services
	Install Server Citrix Licensing
	Exit Install the Provisioning Services server.

图 61 安装 PVS 服务器



图 62 "Next"

记 Citrix Provisioning Services	×
License Agreement You must view the entire license agreement in order to continue.	TRIX
CITRIX [®] LICENSE AGREEMENT This is a legal agreement ("AGREEMENT") between you, the Licensed User Citrix Systems, Inc., Citrix Systems International GmbH or Citrix Systems Asia P Pty Ltd. Your location of receipt of this product or feature release (both herein "PRODUCT") or technical support (hereinafter "SUPPORT") determines providing entity hereunder (the applicable entity is hereinafter referred t "CITRIX"). Citrix Systems, Inc., a Delaware corporation licenses this PRODUC the Americas and Japan and provides SUPPORT in the Americas. Citrix Sys International GmbH, a Swiss company wholly owned by Citrix Systems, Inc., lice	, and acific hafter the o as CT in stems enses
I accept the terms in the license agreement I do not accept the terms in the license agreement InstallShield < Back Next > Ca	rint

图 63 接受协议

🚰 Citrix Provisioning Services			×
Customer Information			citnux
Please enter your information.			CIIRIX
User Name:			
ms			
Organization:			
ms			
Install this application for:			
Anyone who uses this c	omputer (all users)	
Only for me (ms)			
InstallShield			
	< <u>B</u> ack	<u>N</u> ext >	Cancel

图 64 默认, "NEXT"

👘 Citrix	Provisioning Services	;		×
Destinati Click Nex	on Folder At to install to this folder, or clic	k Change to insta	Il to a different folder.	CITRIX
Þ	Install Citrix Provisioning Serv C:\Program Files\Citrix\Provis	vices to: sioning Services\	[<u>⊂</u> hange
InstallShield -				
		< <u>B</u> ack	Next >	Cancel

图 65 默认安装路径

🖟 Citrix Provi	isioning Services	×
Setup Type		
Choose the set	up type that best suits your needs.	
Please select a	setup type.	
• <u>Complete</u>	All program features will be installed. (Requires the most disk	
	space.y	
C Cu <u>s</u> tom	Choose which program features you want installed and where they will be installed. Recommended for advanced users.	,
InstallShield	< <u>B</u> ack <u>N</u> ext >	Cancel

图 66 默认完全安装



图 67 开始安装"INSTALL"



图 68 安装速度比较快, "Finish", 安装完成

配置 PVS

安装完成后,会自动弹出配置的提示窗口



图 69 因为我们 DHCP 安装在 CTXDC 域控上,所以这里选择在其他机器上

Provisioning Services Configuration Tizard	×
PXE Services Specify which service will deliver this information to target devices.	
During the PXE boot process the bootstrap file name and FQDN/IP address of the TFTP server hosting the bootstrap are delivered via a PXE service or DHCP options 66/67.	
\bigcirc The <u>s</u> ervice that runs on this computer	
Provisioning Services PXE service	
• The service that runs on another computer	
< <u>B</u> ack <u>Next</u> Cance	;

图 70因为我们已经在CTXDC上配置了DHCP的66和67选项,所以这里我们可以直接使用DHCP

的功能,就不启动 PXE 服务了。

Provisioning Services Configuration Tizard	×
Farm Configuration Create a new Farm or join an existing Farm. Can be skipped if already configured.	
Create farm	
< <u>B</u> ack <u>N</u> ext >	Cancel

图 71 创建 PVS Farm

Provisioning Servi Database Server Enter the Server and SQL Servers	ces Configuration Tizard Instance names,	×
Server CTXPVS	Instance SQLEXPRESS 2	Browse
		Browse
	OK Cancel	

图 72 点击 "Browse"选择要使用的数据库实例

😵 Provisioning Servic	es Configuration Tizard	×
Database Server Enter the Server and Ir	istance names.	
<u>S</u> erver name: <u>I</u> nstance name: <u>O</u> ptional TCP port:	CTXPVS SQLEXPRESS	Browse
Specify database Sgrver name: Ins <u>t</u> ance name: Optional TCP gor	e mirror failover	Bro <u>w</u> se
	< <u>B</u> ack Ne	xt > Cancel

图 73

🕜 Provisioning Servi	ces Configuration Ti	z ar d	X
New Farm Enter the new Databa	ase and Farm names.		5
<u>D</u> atabase name:	ProvisioningServices Rerm		
<u>r</u> arm name. <u>S</u> ite name:	Site		_
<u>C</u> ollection name: © Use <u>A</u> ctive Dire	Collection ectory groups for secur:	ity	
C Use Mindows gr Farm Administrator	oups for security r group:		
xenme.com/Builtir	√Admınıstrators		•
	<[<u>Back Next ></u>	Cancel

图 74 设置 PVS Farm 的相关信息,名称可以随意改,这里留默认

🔞 Provisioning Se	rvices Configura	tion Tizard		×
New Store Enter a new Stor	e and default path.			
S <u>t</u> ore name: <u>D</u> efault path:	Store E:\pvsStore			Prowse.
		18-1		
		< <u>B</u> ack	<u>N</u> ext >	Cancel

图 75 选择保存 PVS vDisk 的位置(需要创建一个文件夹,然后给该文件夹 Network Services 的

完全访问权限)

Provisioning Services Configuration Tizard	×
License Server Enter the license server hostname and port.	
License server name: CTXDDC License server port: 27000	
 ✓ Malidate license server version and communication ✓ Use Datacenter licenses for desktops if no Desktop licenses are available 	
< <u>B</u> ack <u>Next</u> > Cano	:el

图 76License 我们使用前面的 CTXDDC 的 License 组件,并验证下 License 是否 OK

Provisioning Services Configuration Tizard	×
User account The Stream and Soap Services will run under a user account. Please select what user account you will use.	
 Network service <u>account</u> Specified user account (Required when using a Windows Share) 	
User name:	
Domain:	
Eassword:	
Confirm password:	_
C Local system account (Use with SAN)	
Configure the database for the account	
< Back Next >	Cancel

图 77 测试中,我们给了 Network Service 的所有权限

Provisioning Services Configuration Tizard	×
Network Communications Specify networks settings.	
Available network cards for stream services:	
Enter the base port that will be used for network communications. A total of 20 ports are required. You must also select a port for console communications.	
Note: All servers must have the same port configurations.	
First communications port: 6890	
Console port: 54321	
< <u>B</u> ack <u>N</u> ext > Car	ncel

图 78

🕜 Provisioning Services Configuration Wizard	×
TFTP Option and Bootstrap Location Typically only one TFTP server is deployed as part of Provisioning Service:	s.
✓ <u>Use the Provisioning Services TFTP service</u> C:\Documents and Settings\All Users\Application Data\City	B <u>r</u> owse
< <u>B</u> ack <u>N</u> ext >	Cancel

图 79 虽然我们前面在 DHCP 上启用了 66 和 67 option, 但这勾选上为了以防万一, 我个人勾选

🛞 Provisio	ning Services Co	onfiguration	Tizard		×
Stream Servers Boot List Specify at least 1 and at most 4 boot servers.					
<u>T</u> he bo to com	ootstrap file speci mplete the boot pro	ifies what serv ocess.	ers target (devices may co	ontact
	IP Address	Subnet Mask	Gateway	Port	
	10.0.0.55	0.0.0.0	0.0.0.0	6910	
	Ådd	<u>E</u> dit <u>R</u>	emove	Move up Move <u>d</u> own	
	Ad <u>v</u> anced				
			< <u>B</u> ack	<u>N</u> ext >	Cancel

图 80 默认参数,"NEXT"

Provisioning Services Configuration Tizard	×
Finish Confirm your configuration settings and apply them afterward.	
<pre>PXE - Not used Database Server = CTXPVS\SQLEXPRESS Farm = ProvisioningServices:Farm Site and Collection = Site, Collection AD Group = xenme.com/Builtin/Administrators Store and Default Path = Store, E:\pvsStore License Server:Port = CTXDDC:27000 User Account = Network Service Account Configure the database Communications - First Port = 6890, Last Port = 6909 Console - Soap Port = 54321 NIC - Selected IP = 10.0.0.55 TFTP - Install Service</pre>	
< <u>B</u> ack Finish	Cancel

图 81 点击 "Finish", 开始配置 PVS 服务器, 并自动重启服务

PVS 服务器安装完成后,最好重启服务器,否则可能会有莫名奇妙的错误,虽然安装程序没有提示重启

2) 安装 Target Device

我们使用域管理员账号登陆(CTXXP),并挂载 PVS5.6.ISO 镜像,并运行 AutoRun.exe

CİTRIX	Provisioning Services 🔃
	Console Installation
	Server Installation
	Target Device Installation
	Help and Support
	😰 <u>B</u> rowse DVD 😵 E <u>x</u> it
	Install the Target Device.

图 82 选择"Target Device Installation"

CİTR IX [®]	Provisioning Services
	Iarget Device Installation
	Install Upgrade Wizard
	Back Exit
Inst	II The Target Device.

🙀 Citrix Provisionin	ng Services Target Device 🛛 🔀	
CITRIX	Welcome to the Installation Wizard for Citrix Provisioning Services Target Device	
The InstallShield(R) Wizard will install the Citrix Provisioning Services Target Device on your computer. It is recommended that you disable any AntiVirus software before continuing. To continue, click Next.		
	WARNING: This program is protected by copyright law and international treaties.	

图 83 "NEXT"

GCitrix Provisioning Services Target Device	×
License Agreement Citru You must view the entire license agreement in order to continue. Citru	X.
CITRIX [®] LICENSE AGREEMENT This is a legal agreement ("AGREEMENT") between you, the Licensed User, and Citrix Systems, Inc., Citrix Systems International GmbH or Citrix Systems Asia Pacific Pty Ltd. Your location of receipt of this product or feature release (both hereinafter "PRODUCT") or technical support (hereinafter "SUPPORT") determines the providing entity hereunder (the applicable entity is hereinafter referred to as "CITRIX"). Citrix Systems, Inc., a Delaware corporation licenses this PRODUCT in the Americas and Japan and provides SUPPORT in the Americas. Citrix Systems International GmbH, a Swiss company wholly owned by Citrix Systems, Inc., licenses this PRODUCT and provides Support the Middle East. Africa, and	
I accept the terms in the license agreement Print I do not accept the terms in the license agreement InstallShield	

图 84 接受协议

🕞 Citrix Provisioning Services Target Device	
Customer Information	citrux:
Please enter your information.	CIIRİX
Liser Name:	
ms	
Organization:	
ms	
Install this application for:	
Anyone who uses this computer (all users)	
Only for <u>m</u> e (ms)	
InstallShield	Cancel

🙀 Citrix	Provisioning Services Target Device	×
Destinatio Click Nex	on Folder t to install to this folder, or click Change to install to a different folder.	CITRIX
	Install Citrix Provisioning Services Target Device to: C:\Program Files\Citrix\Provisioning Services\	<u>C</u> hange
InstallShield —	< <u>Back</u>	Cancel

图 86

🖟 Citrix Provisioning Services Target Device	
Ready to Install the Program The wizard is ready to begin installation.	CITRIX
Click Install to begin the installation.	
If you want to review or change any of your installation settings, click Back. Cli exit the wizard.	:k Cancel to
InstallShield	Cancel

图 87开始安装



图 88 安装完成后,我们开始创建 vDisk,并开始制作模板

3)制作 vDisk(模板)



图 89 安装完 Target Device 的时候, 会弹出该界面

Provisioning Services Imaging Wizard	X
Connect to Farm Enter the name or address of a server in the farm to connect to.	
Server information Server: CTXPVS Port: 54321	
Credentials	
User name: P <u>a</u> ssword: Domain:	
	Back Mext > Cancel

图 90 输入 PVS 服务器的机器名或者 IP 地址

Provisioning Services Imaging	g Vizard	×
Select New or Existing vDisk Choose whether you want to create a	new vDisk or use an existing one.	
Ocreate new vDi	sk	
O <u>U</u> se existing v	/Disk	
<u>v</u> Disk name:	✓	
	<pre> <u>Back Mext Cancel Canc</u></pre>	

图 91 创建新的 vDisk (vDisk 为模板的镜像文件)

Froyo's Blog:	http://	/xenme.com

Provisioning Servic	es Imaging Vizard		×
New vDisk Enter the details for t	the new vDisk.		
<u>v</u> Disk name:	vDisk-XP		
<u>S</u> tore:	Store - 20408 MB Free	▼	
vDisk <u>t</u> ype:	Accessible by server: CTXPVS	▼	
		(<u>Back</u>)(Cancel	

图 92 设置 vdisk 的名称和镜像的模式(选择 Dynamic 是为了节省空间, Fixed 性能更好)

Provisioning Services 1	lnaging Vizard		
Configure Image Volumes Define the size of each volu	חנו e.		
Source Volume	Ifsed Space	Free Space	Canacity File
1 C: Boot System	4871 MB 48 %	5358 MB 52 %	10229 MB NTFS
2 None	,		
3 None			
4 None			
	₹		
Destination Volume	Used Space	Free Space	Capacity File
<u>C</u> : Boot System	4871 MB 48 %	5358 🗢 💽 52 %	10229 MB NTFS
vDisk	Allocated Space	Unallocated Space	Capacity
Summary	10229 MB 100 %	8 MB 0 %	10237 MB
		< Back	Next > Cancel

图 93 选择要转换的磁盘,调整空间(新手推荐默认)

Provisioning Ser	vices Imaging Vizard	X
Add Target Device Add this device to	the farm.	
<u>T</u> arget device na	meBaseXP	
MAC:	本地连接 2 FE-BE-A4-E7-BE-DA	×
<u>C</u> ollection:	Collection	✓
	In the Site site of server: CTXPVS	
		<u>Eack</u> <u>Mext</u> Cancel

图 94设置基础镜像在 PVS 服务器中的显示名称,其他默认即可

Provisioning Services Imaging Vizard	×
Summary of Farm Changes This page summarizes the changes to the farm.	
<u>T</u> he Wizard has enough information to create a new vDisk and add it to the farm. Please review the information below and click Finish to create the vDisk.	
 Create new vDisk Name: vDisk-XP Store: Store Type: Dynamic Size: 10237 Volume: C:, 4871 MB used, 5358 MB free, 10229 MB capacity, NTFS system Add this machine to the farm Device name: BaseXP MAC: FE-BE-A4-E7-BE-DA Collection: Collection 	
Optimize for Provisioning	
(Back Finish Cancel	

图 95 完成 vDisk 创建

看到下图画面(提示重启)的时候,需要先设置该虚机(CTXXP)的启动顺序为从网卡启动。 设置方法这里也不介绍了。设置完从网卡启动以后,点击"是"。等待机器重启完毕后,使 用域管理员账号登陆



图 96 在看到提示重启的时候,请先别着急重启

重启并登录后,稍等片刻会自动弹出下图窗口(注:必须是在做完图 96 的操作提示后,点 "是"后重启,第一次登陆会看到该窗口,以后将不会在出现,需要手动配置了)

Citrix XenConvert	2.2	
		CİTR İX'
Source	C:	
<u>D</u> estination	Provisioning Services vDisk	
Status	Formatting volume 1 of 1	
Progress		
		Cancel

冬	97 开始转换制作 vDisk,	时间较长 20~30 分钟	(视机器性能,	系统,	文件大小而不同)
---	------------------	---------------	---------	-----	----------

Citrix XenConvert	2.2	\mathbf{X}
3		CİTRİX
Source	C	
2.0.10		
<u>D</u> estination	Provisioning Services vDisk	
Status	Conversion was successful!	
Progress		
	Log	Finish

图 98转换完成,点击 Finish

此时,这台机器,已经完成了制作模板的使命,可以关机了,以后用来更新模板的时候用等

等。

推荐在大家关闭了该机器以后,再进行以下操作,否则后续操作到 vDisk 的时候可能会锁定,导致大家比较茫然,而其,对于初次实验也不准备讲的过多。

4) 安装 XenDesktop Setup Tools

打开 CTXPVS 服务器,并挂载 DDC4.0_VDA.ISO 镜像

运行 X:\w2k3\en\XenDesktop Setup Tool\ XenDesktopSetupWizard.msi



图 99

🚰 Citrix XenDesktop Setup Tizard Install	<u>- 🗆 ×</u>
End-User License Agreement Please read the following license agreement carefully	CITRIX
CITRIX(R) LICENSE AGREEMENT Use of this component is subject to the Citrix license covering the Citrix p (s) with which you will be using this component. This component is only for use with such Citrix product(s). CTX_code: EP_R_A32490	roduct licensed
I accept the terms in the License Agreement	
Print Back Next	Cancel

图 100 后续设置全部默认

🚰 Citrix XenDesktop Setup Tizard Install	_ 🗆 🗙
Destination Folder Click Next to install to the default folder or click Browse to choose another.	CITRIX
Install Citrix XenDesktop Setup Wizard to:	
C:\Program Files\Citrix\XenDesktop Setup Wizard\	
B <u>r</u> owse	
<u>B</u> ack <u>Next</u>	Cancel

图 101

记 Citrix XenDesktop Setup Tizard Install	_ 🗆 X
Ready to install Citrix XenDesktop Setup Wizard	CITRIX
Click Install to begin the installation. Click Back to review or change any of your installation settings. Click Cancel to exit the wizard.	
Back	Cancel

图 102 开始安装



图 103XenDesktop Setup Tools 安装完成

5) 批量发布无盘虚拟桌面

配置 vDisk 模式

打开 Provisioning Services Console(开始菜单\所有程序\Citrix\Provisioning Service\Provisioning

Services Console)

🖳 Provisioning Services Conse	ole		
😐 文件 🕑 操作 🕼 查看 🕐 🕅	窗口(W) 帮助(H)		_ Ð ×
Provisioning Services Consol	Connect to Farm Yiew Log File Folder 查看(Y) 从这里创建窗口(Y) 刷新(P) 导出列表(L) 帮助(H)	escription 日中没有可显示的项目。	
, Connect to a Provisioning Services	farm.		

图 104 第一次打开,没有连接配置,所以红色部分为空,现在连接 Farm

Froyo's Blog: <u>http://xenme.com</u>

Provisioning S	Connect to Farm	×	- 🗆 🛛
 (1) 文件 (2) 操作 (A) ← → (1) (B) (1) Provisioning Ser 	Server Information <u>Name:</u> (Name or IP address of a server on the farm.)]	
	P <u>o</u> rt: 54321 (Port configured for server access.)		
	Credentials		
	• Use my <u>W</u> indows credentials to login		
	O Use these credentials to <u>l</u> ogin		
	<u>V</u> sername:		
	Domain:		
	Password:		
	Save password		
	Auto-login on application start or reconnect		
	Conn <u>e</u> ct <u>C</u> ancel <u>H</u> elp		

图 105 输入 PVS 服务器机器名或者 IP, 勾选以后自动登录

🚇 Provisioning Services Console 🗕					
🤨 文件 (E) 操作 (A) 查看 (V) 窗口 (E) 帮助 (A)					_ B ×
👜 Provisioning Services Console	Name	Store	Connections	Size	Mode
Farm (ctxpvs) Sites Site Servers Device Collections User Groups Views Views Stores Store	VDisk-XP	Store	0	10,237 MB	Private
]			1		<u> </u>

图 106 连接成功后,展开,我们会看到刚才创建的 vDisk-XP,其 Mode(模式)为 Private 现在我们要把其 Private 模式修改为 Standard 模式


图 107 设置文件属性

vDisk Fi	ile Prop	erties	×
General	Mode	Identification Options	
Acces	s mode —		
Acce	ss Mode:	Private Image (single device, R/W access) 💌	
Cach	e <u>T</u> ype:	Private Image (single device, R/W access) Standard Image (multi-device, write-cache enabled Difference Disk Image	
Cach	e <u>S</u> ize (N	(Bs) 32 =	
Autor	natic upd Inable a <u>u</u> © A <u>pp</u> ly server	ates tomatic updates for this vDisk vDisk updates as soon as they are detected by the	
	C Sche <u>d</u> u occur	on;	
		<u>OK</u> <u>C</u> ancel <u>H</u> elp	

图 108 设置模式为 Standard Image(标准镜像)



图 109 使用 AD 来管理密码

Provisioning Services Console						
😐 文件(z) 操作(a) 查看(v) 窗口(vi) 帮助(H)				_ 뭔 ×	
← → 🗈 🖬 😫 🖬						
😳 Provisioning Services Console	e	Store	Connections	Size	Mode	
E Farm (ctxpvs)	VDisk-XP	Store	0	10,237 MB	Cache on Server	
E Sites						
E Site						
Jervers						
- 🔂 Device Collections						
Collection						
- 🐣 Vser Groups						
Views						
Views						
Store						
					Þ	

图 110 可以看到其模式修改成了 Cache On Server

创建批量创建时使用的虚机模板(XenServer 虚机模板)



图 111 创建 New VM



图 112 选择和制作模板时相同的系统(XP SP3)

😣 New VM					
Image: Name the new virtual machine Image: Optimized state s					
Permission Checks Template	Enter a name that will help you to identify the virtual machine later. This could be a name that describes its software and hardware such as RHEL DHCP Server, Win2K3 XenApp Server or Exchange 2007 Client Access Server.				
Name Installation Media	This name will also be displayed in XenCenter's Resources pane and can be changed later.				
Home Server CPU & Memory	Name: PVS-Diskless-Template Description:				
Storage Networking Finich					
11131					
CITRIX					
	Previous Next > Finish Cancel				

图 113 设置模板的名称(建完虚机后转成模板)

😣 New VM					
Locate the operating system installation media					
Permission Checks Template	Select the installation method for the operating system software you want to install on the new VM.				
Name Installation Media Home Server	Install from DVD drive: zh-hans_windows_xp_professional_with_service_pack_3_x86_cd_v1_x14 Boot from network				
CPU & Memory Storage Networking					
Finish					
CİTRIX.					
	Previous Next > Finish Cancel				

图 114 选择从网络启动

😣 New VM	
Select a home server	0
Permission Checks Template Name Installation Media Home Server CPU & Memory Storage Networking Finish	When you nominate a home server for a virtual machine, the virtual machine will always be started up on that server if it is available. If this is not possible, then an alternate server within the same pool will be selected automatically. Don't assign this VM a home server. The VM will be started on any server with the necessary resources. (Shared storage required) Place the VM on this server: Ashome01 6409 MB available (12279 MB total)
citrix.	< Previous Next > Finish Cancel

图 115 选择托管的服务器

😣 New VM					
Allocate processor and memory resources					
Permission Checks Template Name Installation Media Home Server CPU & Memory Storage Networking Finish	Specify the number of virtual CPUs and the amount of memory that will be initially allocated to the new virtual machine. Number of vCPUs:				
	< Previous Next > Finish Cancel				

图 116 设置批量创建的 VM 的 CPU 和内存资源

😣 New VM	og Statut We Could Subscreen State	-			
Configure storage for the new VM					
Permission Checks Template Name Installation Media Home Server CPU & Memory	The virtual machine template you selected earlier provide the properties of these virtual disks, and add more disks if Alternatively, you can select the second option below to o network and does not use any virtual disks. When you have finished configuring disks for the new vir O Use these virtual disks:	es the virtual disks list f required. create a diskless VM t tual machine, click N	ed below. You hat can be boo lext to continu	can change oted from the e to the next	
Storage	Location	Size	Shared	Add	
Networking	Local storage on xshome01	8 GB	False	Delete	
Finish				Properties	
	Use storage-level fast disk clone				
	Create a diskless VM that boots from the network				
CİTRIX'					
	< Pre	evious Next >	Finish	Cancel	

图 117 选择创建无盘虚机

😣 New VM	ange Menet Mit. Canada Andreware State. Log.	<u> </u>		
Configure networking on the new VM				
Permission Checks Template Name	The virtual machine template you have selected provides the virtual network interfaces listed can configure or delete the default virtual network interfaces here, and add more if required. Virtual network interfaces on PVS-Diskless-Template	below. You		
Installation Media Home Server CPU & Memory Storage	MAC Network	Add Delete Properties		
Networking Finish				
	(i) Using a Default template, you can configure up to 4 virtual network interfaces during VM creation. To configure more than 4, create a Custom template or add extra virtual network interfaces from the Network tab after creating the new VM.			
CİTRIX	< Previous Next > Finish	Cancel		

图 118 最好是一张网卡,多余的删除

😣 New VM	-		x
Ready to create the ne	ew virtual machine		8
Permission Checks Template Name Installation Media	All the necessary i machine using the Review these settin the new VM and c	information has been collected and the wizard is ready to provision the new virtual e settings shown below. ngs, then click Previous if you need to change anything. Otherwise, click Finish to creat lose this wizard. It may take several minutes to create the new VM.	te
Home Server	Property	Value	
CPU & Memory	Template	Windows XP SP3 (32-bit)	
Storage	Name	PVS-Diskless-Template	
Networking	Install Method	Network	
Finish	Installation URL		Ξ
	Home Server	xshome01	
	vCPUs	1	
	Memory	512 MB	
	Network Interface	0 Network 0	-
CITRIX.	Start the new V	(M automatically	
		< Previous Next > Finish Can	cel

图 119 不要启动该 VM。"Finish"



图 120 可以看到刚才创建的 PVS-Diskless-Template 虚机



图 121 转换成模板



图 122 制作完成的无盘虚机模板

使用 XenDesktop Setup Wizard 批量创建并发布虚机

打开 XenDesktop Setup Wizard 工具(在 CTXPVS 服务器,开始菜单\Citrix\Administration Tools\XenDsktop Setup Wizard)



图 123

👳 IenDesktop Setup Tizard	<u>×</u>
Desktop Farm Select the desktop farm to	
Steps ✓ Welcome • Desktop Farm Hosting Infrastructure Virtual Machine Template Virtual Disk (vDisk) Virtual Desktops Organizational Unit Location Desktop Group Desktop Creation Summary	Select a desktop farm from the list of farms available in Active Resktop farm: Troyo
	< <u>B</u> ack <u>Mext</u> Cancel

图 124 选择 Farm

Hosting Infrastructure Select the hosting infrast	ructure to use and provide the required connectivity details	CİTRIX
Steps V Welcome Desktop Farm Hosting Infrastructure Virtual Machine Template	Hosting infrastructure: Citrix Xen VM infrastructure (included with XenDesktop) Address: 10.0.0.10 For example, https://xenserver.example.com	
Virtual Disk (vDisk) Virtual Desktops Organizational Unit Location Desktop Group Desktop Creation Summary		

图 125 本次实验使用 XenServer 基础架构,地址为 XenServer 地址(实验为 xshome1, IP 为:

10.0.0.10)

😑 XenDesktop Setup Tiza	d	×
Hosting Infrastructure Select the hosting infre	structure to use and provide the required connectivity details	CİTRIX '
Steps	William Safaratana and	
 Welcome Desktop Farm Hosting Infrastructure Virtual Machine T Virtual Disk (vDi Virtual Desktops Organizational Un: Location Desktop Group Desktop Creation 	IenServer administrator credentials ? × asktop) Enter the user name and password. 用户名 (U): ? root 密码 (p): ******	¥
Summary	确定 取消 《Back Next 》	Cancel

图 126 输入 XenServer 的账号和密码

😨 IenDesktop Setup Tizard		×
Virtual Machine Template Select the virtual machine	to use to create new desktops	CITRIX
Steps V Welcome Desktop Farm V Hosting Infrastructure Virtual Bachine Template Virtual Disk (vDisk) Virtual Desktops Organizational Unit Location Desktop Group Desktop Creation Summary	Select a virtual machine from the list to will be created using the memory, CPU, se <u>Virtual machines:</u> Name Descript: 2003R2_10G 2008R2_30G Citrix XD_autoxpel IVS=Diskless=Template vda vda xenapp.简单配置完成 XenServer Transfer VM 5.6 XPSF3_10G Ignore template VM's boot order and	to use as a template. Desktops and network configuration settings ion
		< Back Next > Cancel

图 127 选择我们创建的无盘虚机模板(PVS-Diskless-Template)

Virtual Disk (vDisk) Select the Provisioning S	erver vDisk for	the virtual desl	stops you are creating	CITRIX
Steps ✓ Welcome ✓ Desktop Farm	Select a vDi standard ima <u>V</u> irtual disl	isk from which to age access mode : ks:	o create your desktops are listed.	. Only vDisks in
✓ Hosting Infrastructure	Name	Site	Store name	Size
🖌 Virtual Machine Template	vDisk-XP	Site	Store	10237 MB
► Virtual Disk (vDisk)				
Virtual Desktops				
Organizational Unit				
Location Borkton Group				
Desktop Greation				
Summary				
	🔲 <u>S</u> pecify t	arget device col	lection	
			(P.)	

图 128 选择我们要使用的 vDisk(Collection 等本次实验不再配置,并不讲述 PVS 的组织方式)

👳 XenDesktop Setup Tizard	<u>×</u>
Virtual Desktops Specify names for the virt	tual desktops CİTRİX.
Steps Velcome Desktop Farm Virtual Machine Template Virtual Disk (vDisk) Virtual Desktops Organizational Unit Location Desktop Group Desktop Creation Summary	Nymber of desktops: 4 Desktop names are generated from a common name followed by an identifying number. Common name: PVSXP Start from: 1
	With the information you have entered 4 desktop(s) will be created, the first desktop will be named "PVSXP1" and the last will be named "PVSXP4".
	< Back Mext > Cancel

图 129 设置要创建的虚机数量,公共名称,开始的数字

👳 XenDesktop Setup Tizard		×
Organizational Unit Location Select the Active Director added	ry Organizational Unit (OU) to which the desktops will be	itrix .
Steps V Welcome Desktop Farm Virtual Machine Template Virtual Disk (vDisk) Virtual Desktops Organizational Unit Location Desktop Group Desktop Creation Summary	Use default OU The default Active Directory computer location will be used. Gustom OU	YOWSE
	< <u>B</u> ack <u>Next</u>	Cancel

图 1300U 这里也不配置了,直接使用默认 OU (computers)

🖳 IenDesktop Setup Tizard		×
Desktop Group Specify a desktop group to	o which the desktops will be added	CITRIX
 Steps Welcome Desktop Farm Hosting Infrastructure Virtual Machine Template Virtual Disk (vDisk) Virtual Desktops Organizational Unit Location Desktop Group Desktop Creation Summary 	 Create new desktop group PVSXP ✓ Allow immediate access (enable desktop group) ✓ Use existing desktop group 	Y
	< <u>B</u> ack <u>N</u> ext >	Cancel



👳 XenDesktop Setup Tizard			×
Desktop Creation Review the parameters that	t will be used to create .	the desktops	CİTRİX .
Steps Velcome	Clicking Next will irr details below for accu	eversibly start creating the deskto macy first.	ps. Check the
✓ Desktop Farm	Base desktop image:	PVS-Diskless-Template	
✓ Hosting Infrastructure	Virtual disk (vDisk):	vDisk-XP	
✓ Virtual Disk (vDisk)	vDisk device	PVSXP	
🗸 Virtual Desktops	collection: Active Directory OU:	CN=Computers DC=venme DC=com	
✓ Organizational Unit Location	No. of virtual desktops:	4	
✓ Desktop Group	Deskten common name:		
▶ Desktop Creation	Desktop common name.		
Summary	Start numbering from:	1	
	Desktop group name:	PVSXP	
		< Back Next	Cancel

图 132 开始创建"NEXT"



图 133 批量创建成功



图 134 创建完成后,可以在 XenCenter 看到创建的 4 个虚机(创建完成后,稍等片刻,默认会

启动2台虚机)

6) 系统测试

使用 CTXDDC 打开 IE, 输入 <u>http://localhost</u>, 并登录, 点击 PVSXP 测试使用即可。

这次使用测试使用本机测试,打开 IE,输入 <u>http://10.0.0.53 (10.0.0.53 为 CTXDDC</u> IP 地址) 注:插件的安装过程同基于 VM 的虚拟桌面。

🍘 Citrix XenDesktop - 登录 - Windows Internet Explorer	
😋 🕞 🗢 🧧 http://10.0.0.53/Citrix/DesktopWeb/auth/login.aspx 🔹 😽 🗙 國 百度	• ٩
👷 收藏夹 💿 Citrix XenDesktop - 登录 👌 🔻 🖾 👻 页面(P) 🔹	〃 安全(S) ▼ 工具(O) ▼ 🕡 ▼ 🎽
欢迎 登录后访问您的桌面。	
CITRIX	Ţ
完成 😜 Internet 保护模式: 禁用	A A A

图 135 输入账号密码并登录

🏉 Citrix XenDesktop - 桌面 - Windows Internet Explorer
🕞 🕟 マ 💿 http://10.0.0.53/Citrix/DesktopWeb/site/default.aspx?CTX_MessageType= マ 😽 🗙 🔯 百度
👷 收藏夹 💿 Citrix XenDesktop - 桌面 🏠 ▼ 🗟 ▼ 🖾 ● ▼ 页面(P) ▼ 安全(S) ▼ 工具(O) ▼ 🔞 ▼ 🖄
CITRIX
桌面 消息 ①
登录身份: administrator 注销
✓ 适用的客户端在计算机上可用。
泉面
主要
Virtual Desktop XP
更改密码 连接时出现问题?
CITRIX

图 136 图中显示的两种桌面, 点击 PVSXP, 启动测试 PVS 无盘桌面(注:下面桌面可能不能使 用, 因为我们前面关闭了 CTXXP)



图 137 首次使用,可能会提示选择 HDX 对本地文件的访问权限(根据需要设置)



图 138 可以看到 PVS 批量创建的无盘虚拟桌面已经可以正常使用了