Citrix Integration with VMware Identity Manager

In this lab you will install and configure the Citrix Integration broker to communicate with the existing on premise Citrix Farm and the VMware Identity Manager SaaS instance

Section 1 - Integration broker installation

Part 1a - Preparing the integration broker virtual machine

Part 1a has been completed beforehand for your convenience, this material is here for future reference. Please move on to part 1b.

In this part you will install the roles and software requirements for the installation of the Citrix integration broker.

- 1. Log on to your **Controlcenter** virtual machine.
- 2. On your desktop, go to the Remote Desktop folder
- 3. Open citrixbroker.rdp
- 4. Log on with username: euc-livefire\administrator and password: VMware1!



5. In the Citrix broker machine go to Start > Server Manager



6. In Server Manager, select Manage > Add Roles and Features

			-	a x
• 🕲 👖 1	Manage	Tools	View	Help
	2 Add I	Roles and	Features	
	Remo	ove Roles a	and Featu	res
	Add S	Servers		
	Creat	e Server G	iroup	
ocal server	Serve	r Manage	r Propertie	25
vedi server				
atures				
is to manage				

- 7. Click Next until you get to the Server Roles screen
- 8. Select the following roles:
 - Application Server
- File and Storage Services (leave as default if selected)
- Web Server (IIS) (accept any aditional required roles)
- 9. Click Next

	Add Roles and Features Wizard	_ D X
Select server roles		DESTINATION SERVER CitrixBroker.euc-livefire.com
Before You Begin	Select one or more roles to install on the selected server.	
Installation Type	Roles	Description
Server Selection erver Roles Features Application Server Role Services Web Server Role (IIS) Role Services Confirmation Results	Application Server DHCP Server DHS Server Application Services Application Services DNS Server DNS Server Access Print and Storage Services Print and Document Services Remote Access Remote Desktop Services Volume Activation Services Volume Activation Services Vindows Deployment Services Windows Server Essentials Experience Windows Server Update Services Vindows Server Update Services	Web Server (IIS) provides a reliable, manageable, and scalable Web application infrastructure.
	< Previous Next	> 3 Install Cancel

10. In the Features window, select the following options:

- .NET Framework 3.5 Features
 - .NET Framework 3.5 (includes .NET 2.0 and 3.0)
 - HTTP Activation (accept any required features)
- IIS Hostable Web Core
- Windows Process Activation Service (leave as default if already selected)
- WinRM IIS Extension (accept any required features)
- 11. Click **Next** until you reach **Application Services Role Services**.

h	Add Roles and Features Wizard	_ D X
Select features	Select one or more features to install on the selected server.	DESTINATION SERVER CitrixBroker.euc-livefire.com
1 Installation Type Server Selection Server Roles Features Application Server Role Services Web Server Role (IIS) Role Services Confirmation Results	Features	Description IIS Hostable Web Core enables you to write custom code that will host core IIS functionality in your own application. HWC enables your application to serve HTTP requests and use its own applicationHost.config and root web.config configuration files. The HWC application extension is contained in the hwebcore.dll file.
	< Previous Next :	Install Cancel

- 12. Select the following role services:
- .NET Framework 4.5 (do not change if preselected)
- Web Server (IIS) Support (accept the installation of any required roles)
- Windows Process Activation Service Support
 - HTTP Activation (accept the installation of any required roles)



- 13. Click **Next** until you reach the **Web Server Role (IIS) Role Services** page.
- 14. Select the following services:
- Web Server (Accept the default selections)
- Management Tools
 - IIS Management Console
 - IIS 6 Management Compatibility
- 15. Click **Next** then **Install**.



16. Click Close when the installation finishes.



Part 1b - Integration broker installation

Connect to your citrixbroker virtualmachine

- 1. Log on to your **Controlcenter** virtual machine.
- 2. On your desktop, go to the **Remote Desktop** folder
- 3. Open citrixbroker.rdp
- 4. Log on with username: euc-livefire\administrator and password: VMware1!

Recycle Bin	Group Policy Management	😹 I 🕞 👪 🖛 I	Remote Deskte
	2	File Home Share View	
		💿 💿 🔻 🚺 C:\Users\Administrator\Desktop\F	Remote Desktops
Firefox	C C	☆ Favorites	Name
FILEIOX	soltware	Desktop	Note:
		🐌 Downloads	NirWatch.RDP
		🗐 Recent places	Note: AppVol.RDP
			Note: CaptureVM.RDP
Google	Remote	Desktop	5 Citrix.RDP
Chrome	Desktops	🔒 administrator 🛛 🔰 2	ScitrixBroker.RDP
		🖳 Control Center	SCS1-pd1.RDP
		膭 Desktop	NP.RDP
		Documents	No. RDP BackagingVM.RDP
VMware		🗼 Downloads	NDSH01a.RDP
Horiz		🐌 Music	No. RDP
		E Pictures	n UEMProfiler.RDP

In this part you install the integration broker software

- 5. from the **Citrixbroker** virtual machine's desktop, go to the **Software** folder shortcut.
- 6. Navigate to \software\VIDM\IntegrationBroker-19.03.0-13221855
- 7. Run Setup.exe, in the security warning window click Run



8. Click Next on the Welcome screen



9. Agree to the End User License Agreement

10. Click Next

😸 VMware Identity Manager Integration Broker 📃 🗖 🗙
Welcome to the VMware Identity Manager Integration Broker Setup Wizard
VMWARE END USER LICENSE AGREEMENT
Cancel < Back Next > 2

11. Leave the default settings and click **Next**.

😕 VMware Identity Manager Integration Broker 📃 🗖	x
Select Installation Address	
The installer will install VMware Identity Manager Integration Broker to the following web location To install to this web location, click "Next". To install to a different web location, enter it below.	ì .
<u>S</u> ite:	
Virtual directory:	
IB Analisation Back	
DefaultAppPool	
Cancel < Back Next >	1

12. Click **Next** on the **Confirm installation** windows.

1	VMware Identity Manager Integration Bro	ker 🗕 🗆 🗙
Con	firm Installation	5
The in:	staller is ready to install VMware Identity Manager Integration Br	roker on your computer.
Click '1	Next" to start the installation.	
	Cancel <	Back Next > 1

13. Click on **Close** on the **Installation Complete** window.

	😾 VMware Identity Manager Integration Broker 📃 🗖 🗙
	Installation Complete
	VMware Identity Manager Integration Broker has been successfully installed.
	Next Steps:
	 Ensure that the Microsoft Visual J#® 2.0 Redistributable Package is installed.
1	Install the appropriate version of the Citrix PowerShell SDK.
	 Download and copy the Citrix XenApp Web Interface SDK DLL files to the Integration Broker's bin directory.
	For more information, see VMware Identity Manager installation documentation.
	Click "Close" to exit.
	Cancel < Back 1 Close

Part 1c - IIS Configuration

1. Click **Start** > **Server Manager**.

2. In Server Manager, select **Tools** > **Internet Information Services (IIS) Manager**.



3. In the left pane, click **Citrixbroker > Application Pools**.

Click No in the Microsoft Web Platform pop up message if prompted

Internet Information Services (IIS) Manager
Do you want to get started with Microsoft Web Platform to stay connected with latest Web Platform Components?
Do not show this message.
Yes 1 No Cancel

4. Select the **DefaultAppPool**

5. Click **Advanced Settings** in the right pane.

9		Intern	et Informat	tion Services (II	S) Manager			_ 0 ×
CITRIXBROKER	Application Pools							😐 🖂 🕅 🖷
File View Help								
Connections	Applicat This page lets you view associated with worke applications. Filter: Name Name Mark 4.5 Mark 4.5 Mark 4.5 Pofful AppPool	ion Pool w and manag r processes, c • * * (Status Started Started Started	S e the list of ap contain one or Go - C Sho .NET CLR V v4.0 v4.0	plication pools on more applications, w All Group by: Managed Pipel Integrated Classic	the server. Application and provide isolation No Grouping Identity ApplicationPoolId ApplicationPoolId	pools are among different Applications 0 0	Ac	tions Add Application Pool Set Application Pool Defaults Application Pool Tasks Start Stop Recycle Edit Application Pool Basic Settings Peopsilies
							Ļ	Advanced Settings Rename

- 8. Set .NET CLR Version value to 2.0
- 9. Set value Enable 32-bit Applications to True
- 10. Set **identity** value to euc-livefire\administrator
- 11. Click OK
- 12. Leave IIS manager open for the next step



Part 1d - Self signed certificate creation

In this part you create a self signed certificate for the ssl communication with citrix storefront

Open the **IIS manager** if it is not open already

- 1. Go to **Start** > Server Manager
- 2. Go to **Tools** > Internet Information Services Manager



- 3. In your left pane click on the Citrixbroker object
- 4. Navigate to Server Certificates in the center pane



5. On your right pane go to Actions > Open Feature

Under Actions select Create Self signed certificate

- 6. in the **Create Self-Signed Certificate** window, write **IBcert** as a name for the certificate
- 7. Click OK.
- 8. Leave the **IIS Manager** window open for the next steps

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Internet Information Services (IIS) Manager	- 0 ×	
•		🖬 🗟 🖗 •	
Server Certificates Use this feature to request and manage certificates that the Web s SL	erver can use with websites configured for	Actions Import Create Certificate Request Connoises Certificate Request	
Create Self-Signed Certificate	2 X	Create Domain Certificate	
Specify Friendly Name The some for the coefficient support. This information can be used to frendly same for the coefficient utificate store for the new coefficient utificate store for the new coefficient u	a costicute adherity for	Conis Advance California Dania Advance California Dania Advance California Hap	
	Internet Information Services (Company and a service (Company and a service) Internet Information Services (Company and a service (Company and a service) Company and a service (Company and a service) Internet Information Services (Company and a service (Company) Server Certificates Server Certificates Internet Information Services (Company) Server Certificates Internet Information Services (Company) Server Certificates Internet Information Services (Internet Information	Provide a set of the set catificate	Performance of the second area of the second are

part 1e - Site binding configuration

Open the **IIs Manager** if not opened already

- 1. On the **IIS Manager** click on **Sites**
- 2. Click on the **Default Web Site**
- 3. In the right pane, under Edit Site select Bindings

e j		Internet Int	formation	Services (IIS) Manager		_ 0	x
CITRIXBROKER	► Sites ►					🖬 🖂 🟠	•
File View Help							
Connections						Actions	
Q 🗟 🖄 😣	Sites					💣 Add Website	
😜 Start Page	Filter	• 🐨 Go •	Show All	Group by: No Grouping		Set Website Defaults	
CITRIXBROKER (EUC-LIVEFIRE	Name	ID St	atur	Rinding	Path	Edit Site	
1 Sites 2	Default Web Site	1 St	arted (ht	*:80 (http)	%SystemDrive%\ii	Bindings	
						Basic Settings	_
						🔉 Explore	
						Edit Permissions	
						Rename	
						View Applications	_
						View Virtual Directories	
						Manage Website	
• •						manage website	

- 4. On the Site Bindings window click on Add
- 5. On **Type** select **HTTPS**
- 6. Make sure the **Host Name** field is empty

7. In the **Ssl Certificate** drop down menu choose the **IBcert** certificate you created on previous steps

- 8. Click **OK** on the **add site binding** window
- 9. Click Close on the site binding window

Pools		•	ID.	Site	Bindings		?	×
	Type http	Host Name	Port 80	IP Address	Binding Informa	1	Add Edit	
			Add Site	e Binding	?	×	Remove	
2 http Hos	e: ps st name: Require Serve	IP address:	gned		Port: 443		Browse	ar
4 IBc	certificate: ert			ک ح ا	OK Cancel		Close	

- 10. Open a **powershell** or **command line** window.
- 11. Run the **iisreset** command



12. In your **Controlcenter** VM open a chrome browser and type **http://citrixbroker/IB/API/ RestServiceImpl.svc/ibhealthcheck** , you should see an **"ALL OK"** message.

Citrixbroker/IB/API/RestServiceIm × +
← → ① S http://citrixbroker/IB/API/RestServiceImpl.svc/ibhealthcheck
"А11 ОК" 2

- 13. Now type https://citrixbroker/IB/API/RestServiceImpl.svc/ibhealthcheck
- 14. Click on Advanced
- 15. Click on Proceed To Citrix Broker
- 16. You should get an "ALL OK" message



part 1f - citrix components installation

- 1. On your **Citrixbroker** machine, open the **Software** folder
- 2. Navigate to **Software** > Citrix
- 3. Right click and **mount** the **citrix virtual apps and desktops** ISO.



- 4. In the newly mounted drive navigate to **autoselect**
- 5. Click on **Start** next to **virtual apps**
- 6. Click on Citrix studio



7. Accept the software license agreement and click NEXT



8. Click Next on the core component window

	Core Components
 Licensing Agreement Core Components 	Location: C:\Program Files\Citrix Change
Summary Install Finish	Studio (Required) Create, configure, and manage infrastructure components, applications, and desktops.
	Back Next Cancel

9. Click install on the Summary window

	Summary
 Licensing Agreement Core Components Summary Install Finish 	Review the prerequisites and confirm the components you want to install. Installation directory C:\Program Files\Citrix Prerequisites Microsoft SQL CLR Types (x86) Microsoft SMO Objects (x86) Microsoft SQL CLR Types (x64) Microsoft SMO Objects (x64) Microsoft Visual x64 C++ 2015 Runtime Microsoft Visual x86 C++ 2015 Runtime Core Components Studio
	Back Install 1 Cancel

10. if your vm restarts during the installation process, please follow steps 1-3 of part 1f before proceeding.

11. in the "locate Citrix Virtual Apps 7 Installatation Media" window, locate you mounted image and click on "**Select Folder**"



12. Uncheck "launch studio"

13. Click Finish. Allow the machine to restart if requested

	Finish Installation	
Licensing Agreement	The installation completed successfully.	✓ Success
Core Components		
Summary	Prerequisites	Installed
a la contraction de la contracticion de la contractica de la contr	 Microsoft Visual x86 C++ 2015 Runtime Microsoft Visual x86 C++ 2015 Runtime 	Installed
/ Install	 Microsoft SOL CLR Types (x86) 	Installed
Finish	 Microsoft SMO Objects (x86) 	Installed
	 Microsoft SQL CLR Types (x64) 	Installed
	 Microsoft SMO Objects (x64) 	Installed
	Core Components	
	✓ Studio	Installed
	Dest to the	
	 Post Install Component Initialization 	Initialized
	Planet facto	
	Launch Studio	
-		

14. On your Citrixbroker vm, on your task bar right click on the **powershell** icon

15. Click run as administrator



16. On your powershell windows type Add-PSSnapin Citrix*

17. Type Get-BrokerDesktopGroup -AdminAddress Citrix.euc-livefire.com

you should get an outpu	t similar to this:
AppDisks	:{}
AppDnaAnalysisState	:
AppDnaCompatibility	:
AutomaticPowerOnForA	ssigned : True
AutomaticPowerOnForA	ssignedDuringPeak : False
ColorDepth	: TwentyFourBit
ConfigurationSlotUids	: {}
DeliveryType	: DesktopsAndApps
Description	:
DesktopKind	: Shared
DesktopsAvailable	: 1
DesktopsDisconnected	: 0
DesktopsFaulted	: 0
DesktopsInUse	:0
DesktopsNeverRegistere	d : 0
DesktopsPreparing	:0
DesktopsUnregistered	:0
Enabled	: True
IconUid	:1
InMaintenanceMode	: False
IsRemotePC	: False
LicenseModel	:
MachineConfigurationNa	ames : {}
MachineConfigurationUi	ds :{}
MetadataMap	: {}
MinimumFunctionalLeve	l : L7_9
Name	: standard delivery group
OffPeakBufferSizePercer	nt :10

مام ، ، ، ا ما م ، : دا ب

OffPeakDisconnectAction	: Nothing
OffPeakDisconnectTimeo	ut : 0
OffPeakExtendedDisconn	ectAction : Nothing
OffPeakExtendedDisconn	ectTimeout : 0
OffPeakLogOffAction	: Nothing
OffPeakLogOffTimeout	:0
PeakBufferSizePercent	: 10
PeakDisconnectAction	: Nothing
PeakDisconnectTimeout	:0
PeakExtendedDisconnect	Action : Nothing
PeakExtendedDisconnect	Timeout : 0
PeakLogOffAction	: Nothing
PeakLogOffTimeout	: 0
ProductCode	:
ProtocolPriority	: {}
PublishedName	: standard delivery group
ReuseMachinesWithoutSl	nutdownInOutage : False
Scopes	
SecurelcaRequired	: False
SessionSupport	: MultiSession
Sessions	: 0
SettlementPeriodBeforeA	utoShutdown : 00:00:00
SettlementPeriodBeforeL	Jse : 00:00:00
ShutdownDesktopsAfterL	Jse : False
Tags : {	}
Tenantld	:
TimeZone	: Pacific Standard Time
TotalApplicationGroups	: 0
TotalApplications	: 3
TotalDesktops	: 1

TurnOnAddedMachine	: True
UUID	: 9c5c2e43-85f4-4c20-8ed4-20f323c9544a
Uid	: 2
ZonePreferences	: {ApplicationHome, UserHome, UserLocation}

18. Type **Get-ConfigSite -AdminAddress Citrix.euc-livefire.com**, you should get an output similar to this:

ConfigurationLogging	ServiceGroupUid : 5d466dbe-9f03-49e6-a5d1-4fc4cb5a17bd
ConfigurationService	iroupUid : b2456fbb-c9cb-4445-b0ae-dadc70e7a1de
DelegatedAdministrat	ionServiceGroupUid : 4e794a98-a86d-46d9-b0f3-34c20b28bc12
LicenseServerName	: citrix.euc-livefire.com
LicenseServerPort	: 27000
LicenseServerUri	: https://citrix.euc-livefire.com:8083/
LicensingBurnIn	: 2018.0815
LicensingBurnInDate	: 8/14/2018 5:00:00 PM
LicensingModel	: Concurrent
MetadataMap OU6gnsHLtsTWxKlbQ	: {[CertificateHash, dQ9a5PwnrXwtW6VhKyVbMWfgluHrPwPrJ7AOA5WoKd
	CLWbfveYPtpCTM+1BCf2ajnNE2Q==],
	[Citrix_DesktopStudio_License_Is_XD_Apps_Edition, False],
	[Citrix_StoreFront_Cluster_Id, 195c6821-b6aa-4000-be22-f013375f4aec],
Lic	[ConfiguredComponents, Admin Config Log Acct Hyp AppLib Prov Broker
	Monitor Pvs Sf Trust EnvTest AppV Analytics Orch]}
PrimaryZoneName	: Primary
PrimaryZoneUid	: 66798896-2967-4465-9067-8608775d7a9e
ProductCode	: MPS
ProductEdition	: ADV
ProductVersion	: 7.19

SiteGuid	: a5e6adb4-e71c-4397-a34e-a4404e556821
SiteName	: London

19. from yourcontrolcenter vm, in your chrome browser go to https://citrixbroker/IB/API/ RestServiceImpl.svc/hznxenapp/admin/ xenfarminfo?computerName=citrix&xenappversion=Version7x

you should get an output similar to this:

"[{\"ConfigurationLoggingServiceGroupUid\":\"5d466dbe-9f03-49e6-a5d1-4fc4cb5a17bd\",\"ConfigurationLoggingServiceGroupUid\":\"5d466dbe-9f03-49e6-a5d1-4fc4cb5a17bd\",\"ConfigurationLoggingServiceGroupUid\":\"5d466dbe-9f03-49e6-a5d1-4fc4cb5a17bd\",\"ConfigurationLoggingServiceGroupUid\":\"5d466dbe-9f03-49e6-a5d1-4fc4cb5a17bd\",\"ConfigurationLoggingServiceGroupUid\":\"5d466dbe-9f03-49e6-a5d1-4fc4cb5a17bd\",\"ConfigurationLoggingServiceGroupUid\":\"5d466dbe-9f03-49e6-a5d1-4fc4cb5a17bd\",\"ConfigurationLoggingServiceGroupUid\":\"5d466dbe-9f03-49e6-a5d1-4fc4cb5a17bd\",\"ConfigurationLoggingServiceGroupUid\":\"5d466dbe-9f03-49e6-a5d1-4fc4cb5a17bd\",\"ConfigurationLoggingServiceGroupUid\":\"5d466dbe-9f03-49e6-a5d1-4fc4cb5a17bd\",\"ConfigurationLoggingServiceGroupUid\":\"

dadc70e7a1de\",\"DelegatedAdministrationServiceGroupUid\":\"4e794a98-a86d-46d9-b0f3-34c20b28 livefire.com\",\"LicenseServerPort\":\"27000\",\"LicenseServerUri\":\"https:\/\/citrix.euclivefire.com:8083\/\",\"LicensingBurnIn\":\"2018.0815\",\"LicensingBurnInDate\":\"8\/14\/2018 5:00:00

```
PM\",\"LicensingModel\":\"Concurrent\",\"MetadataMap\":\"System.Collections.Generic.Dictionary`2[Sya4404e556821\",\"SiteName\":\"London\"}]"
```

if you get anything starting with "exception name" or. an http error please check your url.

20. On the **ControlCenter** server. Open the **Remote Desktop** folder open **citrix.rdp** and open **citrix studio** from the **Start Menu**

21. In the left pane navigate to **Citrix Storefront** > stores

22. In the main pane, right click on **store service**, and click **manage authentication methods**



23. Check HTTP basic

24. Click Ok

25. Close all windows



part 1g - certificate export

1. From your **Controlcenter** vm open the chrome browser and type **https://citrixbroker** on the address bar

- 2. Right click on "not secure"
- 3. Click on **Certificate**



- 4. On the certificate window, go to the details tab
- 5. Click **copy to file**

e Cer	tificate	X
G Details Certification Path	1	
Show: <all></all>	~	
Field	Value	^
Version Serial number Signature algorithm Signature hash algorithm	V3 5f 97 e6 d4 74 5b 5c b8 4c 03 sha1RSA sha1	=
Issuer Valid from Valid to	CitrixBroker.euc-livefire.com Saturday, March 2, 2019 9:31 Sunday, March 1, 2020 4:00:0	
Subject	CitrixBroker.euc-livefire.com	~
E	dit Propertie 2 Copy to File	
	OK	(

6. In the **Certificate Export Wizard** window, click **Next**

Certificate Export Wizard
Welcome to the Certificate Export Wizard
This wizard helps you copy certificates, certificate trust lists and certificate revocation lists from a certificate store to your disk.
A certificate, which is issued by a certification authority, is a confirmation of your identity and contains information used to protect data or to establish secure network connections. A certificate store is the system area where certificates are kept.
To continue, dick Next.
Next Cancel

- 7. Click on Base-64 enconded x.509 (.CER)
- 8. Click Next

Export Wizard
Export File Format Certificates can be exported in a variety of file formats.
Select the format you want to use:
O DER encoded binary X.509 (.CER)
Base-64 encoded X.509 (.CER)
Cryptographic Message Syntax Standard - PKCS #7 Certificates (.P7B)
 Personal Information Exchange - PKCS #12 (.PFX) Include all certificates in the certification path if possible
Delete the private key if the export is successful
Export all extended properties
O Microsoft Serialized Certificate Store (.SST)
2 Next Cancel

9. Click on **Browse** and point to your desktop, and save the certificate with the name **ibcert**.

10. Click Next

X
(e) 🧬 Certificate Export Wizard
File to Export Specify the name of the file you want to export
File name:
C:\Users\Administrator\Desktop\ibcert.cer Browse
Ŭ
2 Next Cancel

11. click Finish



Section 2 - VMware Identity Manager Configuration

Part 1 - Configuring virtual app collection

- 1. Go to your **identity manager tenant url**, and login with your administrator user.
- 2. in the **administration console** navigate to **Catalog** > Virtual Apps Collection
- 3. Select **GET STARTED** if prompted

VMware Workspace ONE X VSphere Web Client X Its Windows Serv -> C C Its Windows Serv Its Windows Serv -> C C Its Windows Serv Its Windows Serv -> C C Its Windows Serv Its Windows Serv -> C C Its Windows Serv Its Windows Serv -> C C Its Windows Serv Its Windows Serv -> C C Its Windows Serv Its Windows Serv	saas/list?show=all Q ☆
	Tenant Admin + AW-EUCLIVEFIREF
Now Office 265 with Max Configuration Now Now Configuration Application Setting and the Configuration Office 265 with Hith Configuration	2 Rems T Search Categories
Workspace ONE ^{TT}	Tenant Admin • AW-EUCLIVEFIRE Q. Search users, groups or applications
Introducing Virtual Apps Collection Virtual Apps Collections is a new way to manage your VMware Identity Manager integrations with VMWAI Apps and Desktop deployments such as Horozon, Hintson Cloud, ThinApp and Citim.	i i
Getting Started • Migrate integrations previously configured with VMware Identity Mmager • Select the connector used to sync your resources, then select Start Migration.	
All your existing configurations will then appear in Virtual Apps Collections.	
Al your existing configurations will then appear in Virtual Apps Collections. Migration Acquirements Al on-premise instances of Vilware identity Manager must be version 31 or later. Al connectors used to sync resources must be version 2017/12.1.0 or later. Does another acquirement in Virtual Appears and acquirements to	See Using Virtual Apps Collections for Desktop Integrations for more details

4. On the **Select the Source Type** page in the **Citrix Box** select the **SELECT** hyperlink

Select the Source	Туре	
Select the source type to	o use to create the virtual a	pps collection.
Horizon	Horizon Cloud	Citrix
÷	<u>A</u>	CITRIX
SELECT	SELECT	SELECT

- 5. In the New Citrix Collection window, in Section 1 Connector and Broker
- 1. Next to **Name** type **Citrix**
- 2. Under **Connector** accept the default connector that being **ws1-Connector.euc-livefire.com** (LivefireSync)
- 3. In the Sync Intergration Broker section, under Host type citrixbroker.euc-livefire.com
- 4. Under **Port** type **443**

- 5. Under **Use SSL** change the radio button from **No** to **Yes**
- 6. Go back to your desktop and **open** the **ibcert** file saved in Part 1G with Notepad++ . **Copy** the contents of the **ibcert** file.
 - Under SSL Certificate **paste** the contents into the box



- 6. In **Section 1 Connector and Broker,** under Launch integration broker
- 1. Under **Host** type **citrixbroker.euc-livefire.com**
- 2. Under Port type 443
- 3. Copy the contents of the **ibcert** file and Paste the ssl certificate field
- 4. In the New Citrix Collection window select Next

Provide information about the integration Broker that you want to use to process launch requests. This connection must be over 55L, and you can use the same integration Broker used for sync. Host * ctirubroker euc-livefire com Port * 43] synrgCentricate ore: euc-livefire com////////////////////////////////////		Launch Integration Broker		
Prost *		Provide information about the integration Broker that you want to use to process launch connection must be over SSL, and you can use the same Integration Broker used for sym	n requests. This nc.	
Port Port Port		Host *		
Port* 413 Image: Book Control (Image: Book Control (Image		citrixbroker.euc-livefire.com		
Improve Central Control (International Control (Internationaconternational Control (International Control		Port *		
BigingCentiticits cort 2 BigingCentiticits cort 2 Image: Bool III CERTIFICATE Image: Bool III CERTIFICATE	U U	443		
 bawk-gitAVisegulawkewugitAvocialVCawgeiguaggebaak//lt+sqC04YilpR0P bFRNGUmjWBd/STG24KU/QVKTLxyUoBDTUgGEbaaKa//lt+sqC04YilpR0P mEldebvKhQv56m0cb7LEdqQK8IIC9aFBNI6JE1U041S1KUYY1+BQ70xYHOVv/5 bSKbpAbcV071yFb9EzXUpxoSHuIG1E00erBD/XFg04v31e4zH10FWFq+2yV5tKVb Rg57kam2/SHB2EA/GiArv9Y11ce5Qkk4BU5Vh17h2F1A6GakznebWCc+T2NG2a kNo= 	Agencia de la constante de la	CEL CALL CONTRACT CON		
Port *	Po	ort *		
SSL Certificate *		43 SL Certificate *		
KNO= ·····END CERTIFICATE	3	KNQ= END CERTIFICATE	* *	
4 CANCEL NEXT		(3)	CANCEL NEXT	*

- 7. In the New Citrix Collection window, in Section 2 Server Farm
- Under Add or modify Citrix server farms. At least one server farm is required. select the + ADD SERVER FARM
- 2. On the Add Server Farm window select +ADD SERVER
- 3. Under Server Name type citrix.euc-livefire.com
- 4. Under the Launch Preference,
 - Verify STOREFRONT is selected
 - Under StoreFront Server URL type http://citrix.euc-livefire.com/Citrix/StoreWeb/
- 5. Select ADD
- 6. In the New **Citrix Collection** window select **NEXT**

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5		CANCEL	ADD

- 7. In the New Citrix Collection window
- 1. in Section 3. Configuration Accept the the default values and select NEXT
- 2. Section 4. Summary
 - Select SAVE & CONFIGURE NETWORK RANGE
- 3. On the Network Ranges window select ALL RANGES
- 4. Observe the defaults, in this lab there is no requirement to make changes, Select CANCEL.
- 5. You will land back at the **Virtual Apps Collection** Page

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8.

- In the Virtuals APPs Collections window
 - 1. Select the radio button next to Citrix, Select the **SYNC** button
 - 2. On the Calculating Sync Actions page select SAVE

Virtual App	SYNC DELETE			
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Part 2 - Verification

1. From your **ControlCenter** machine's **chrome** browser open your custom **Vmware identity Manager** SaaS tenant url

2. Log in with your **user1** credential, in the **euc-livefire.com** authentication domain with the password VMware1!

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3.

- 1. In the Web based Hub interface under Categories select Virtual
- 2. Under the Virtual Category next Calculator select OPEN
- 3. If you are in Mozilla Firefox you will be prompted with **What Should Firefox do with this file? Accept the default** and select **OK**
- 4. You can now observe the integration of **Citrix** into **VMware Identity Manager.**

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