Converting LUCY from VMware ESX to Hyper-V

A full guidance can be found on the Microsoft website here. The tool is provided by Microsoft and available by the

link

The Hyper-V version should be 5.2.0 or later

Before running the tool, do not forget to power off the Lucy's VM.

It's also to be noted that there must be enough disk space on your Hyper-V server (at least larger than the size of the initial VMware virtual drive).

Conversion steps

1. Run the application Microsoft Virtual Machine Converter and select a machine type: "Virtual machine conversion"

🀞 Microsoft Virtual Machine C	onverter			-	-		\times
Machine T	ype						
Before You Begin Machine Type Migration Destination Hyper-V Host Disk Source Virtual Machines Connection Workspace Summary Completion	Select a machine type:						
		< <u>P</u> revious	<u>N</u> ext >	Einish		<u>C</u> ancel	

2. Select a migration destination: "Migrate to Hyper-V"

🏂 Microsoft Virtual Machine	Converter – 🗆 🗙
Migration	Destination
Before You Begin Machine Type Migration Destination Hyper-V Host Disk Source Virtual Machines Connection Workspace Summary Completion	Select a migration destination. Migrate to Microsoft Azure Convert VMware virtual machine disk to VHD and upload to Microsoft Azure You must provide your subscription details to deploy your virtual machine to Azure. If you do not have an account or a subscription, you must create one using this link. Migrate to Hyper-V Convert VMware virtual machines to Hyper-V virtual machines You must enable remote access through Windows Management Instrumentation (WMI) on the Hyper-V destination.
	< Previous Next > Finish Cancel

3. Select a Hyper-V host as the destination for the virtual machine:

🏂 Microsoft Virtual Machine Conve	erter	-		×
Hyper-V Host				
Machine Type A Migration Destination Hyper-V Host L Disk L	Gelect a Hyper-V host as the destination for the virtual machine. Address: winserv (Enter an IP address, computer name or fully qualified domain no Jeer name: WINSERV\pavel Password: ✓ Use my Windows user account	ame.)		
	< Previous Next >	ih 🗌	Cancel	

4. Specify a path to store the converted virtual hard disks:

🏂 Microsoft Virtual Machine 🤇	Converter – 🗆 🗙
Disk Disk	
Before You Begin Machine Type Migration Destination Hyper-V Host Disk Source Virtual Machines Connection Workspace Summary Completion	Specify a path to store the converted virtual hard disks. Pgth: \\winserv\Shared\Hyper-V Browse Choose the type of virtual hard disk to use for the converted disk: Fixed size ● Dynamically expanding Choose the format of virtual hard disk to use for the converted disk: VHD VHD ● VHDX
	< <u>Previous</u> <u>Next</u> > <u>Finish</u> <u>Cancel</u>

5. Specify the details to connect to an ESX\ESXi server:

🇯 Microsoft Virtual Machine Cor	nverter				-			×
Source								
Before You Begin Machine Type Migration Destination Hyper-V Host Disk Source Virtual Machines Connection Workspace Summary Completion	Specify the <u>A</u> ddress: <u>U</u> ser name: Pass <u>w</u> ord:	details to connect to 192.168.0.124 (Enter an IP address root ••••••						
			< <u>P</u> revious	Next >	Einish	Ç	ancel	

6. Select a virtual machine to convert:

🏂 Microsoft Virtual Machin	e Converter			-		×
Virtual N	Nachines					
Before You Begin	Select a virtual ma	chine to convert.			2	
Machine Type	Name	DNS Name	State Used	Space (GB) Me	mory (GB) CP	
Migration Destination	lucy43		Off	7.82	4.00	
Hyper-V Host						
Disk						
Source						
Virtual Machines						
Connection						
Workspace						
Summary						
Completion						
	<				>	
		< <u>P</u> revious	<u>N</u> ext >	Einish	Cancel	

7. Leave the options unchanged and click "Next":

🏂 Microsoft Virtual Machine	Converter		-		×
Virtual Ma	achine Connection				
Before You Begin Machine Type Migration Destination Hyper-V Host Disk Source Virtual Machines Connection Workspace Summary Completion	they are on, have will need to conn used for connecti should be enable Virtual machine: User name: Password: Final state of sour On ()	Iucy43 root Use <u>my</u> Windows user account ce virtual machine: Dff ination virtual machine:	nning the VMware to be uninstalled. The	ols, you account	if
		< Previous Next >	Einish	∑ancel	

8. Select a location for the converted virtual disks:

🀞 Microsoft Virtual Machine C	Converter		- 0	×
Workspace	e			
Before You Begin Machine Type Migration Destination	hard disks.	this machine (WINSERV) with enough free space e folder path for the converted disks.	e for the converted virtu	Jal
Hyper-V Host	<u>F</u> older:	D:\Hyper-V\lucy43	Browse	
Disk				
Source				
Virtual Machines				
Connection				
Workspace				
Summary				
Completion				
		< <u>P</u> revious <u>N</u> ext >	<u>F</u> inish <u>C</u> ar	ncel

9. Review the details and click "Finish" to start conversion:

🐞 Microsoft Virtual Machine Co	onverter		-		×
Summary					
Before You Begin Machine Type Migration Destination Hyper-V Host	Review the details and click Finis Warning(s): 1: The operating system of the system	h to start conversion. he VMware VM is NOT SUPPORTED. This	does not prev	ent conv	e
Disk Source Virtual Machines Connection Workspace Summary Completion	Source server: Destination: Destination VHD path: Selected virtual machine: Source virtual machine state: Destination virtual machine state	https://192.168.0.124/sdk winserv \\winserv\Shared\Hyper-V lucy43 Off			
		< Previous Next >	inish	Cancel	

10. Wait until the conversion process is complete.

🏂 Microsoft Virtual Machine C	onverter			-	×
Completion	1				
Before You Begin	Virtual machine conversion: In	ucy43			
Machine Type Migration Destination Hyper-V Host Disk Source Virtual Machines Connection Workspace Summary	Name Validate conversion Convert disk(s) Analyze disk(s) Copy disk(s) Provision Hyper-V guest	Status Completed Started Not Started Not Started Not Started	Start Time 8/27/2018 5:15:27 PM 8/27/2018 5:15:38 PM	End Time 8/27/2018 5:15:38	PM
Completion		< <u>P</u> reviou	ıs Next >	Close	incel

Finishing

After a successful conversion, do not rush to run the newly created virtual machine. You need first create (if not exist) a new External Virtual Switch and assign it to the virtual machine (within Network Adapter settings). See the screenshots below.

Virtual Switch Manager for WINSERV	- 🗆 X	Actions
2		WINSERV
	Create virtual switch do you want to create?	 Quick Create New Import Virtual Machine 1 When Y Settings Virtual Switch Manager Virtual Suv Manager Edit Disk Inspect Disk Stop Service Remove Server Refresh View
 New virtual network switch Pefault Switch Default Network External Switch 	Name: External Switch	
Realtek PCIe GBE Family Co Global Network Settings MAC Address Range 00-15-5D-00-7A-00 to 00-1	15-5D-0	< >
	Connection type What do you want to connect this visual on the p? External network: Realtek PCIe GBE Family Controller Allow management operating system to share Internal network Private network	↓ v

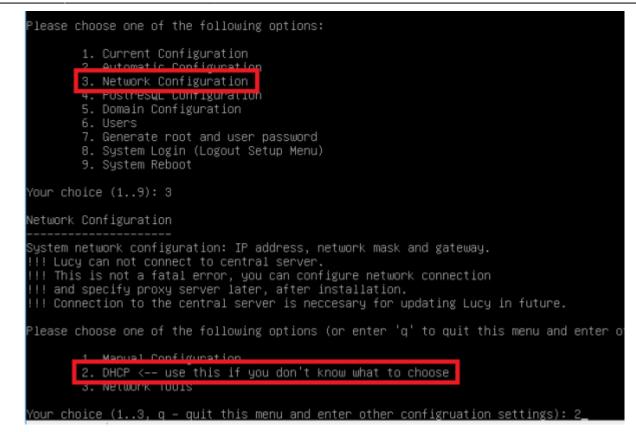
Connect the external switch to the converted virtual machine:

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lucy43	∨ ◀ ▶ ເບ			
* Hardware	^ 🛛 Networ	k Adapter		
Add Hardware				
BIOS			work adapter or remove the ne	twork adapter.
Boot from CD	Virtual <u>s</u> wite			_
Security Key Storage Drive disabled	External Sv	witch		~
Memory	VERIVED			
4096 MB	Enab	le virtual LAN identificatio	n	
Processor	The M AN	Lidentifier enerifier the u	virtual LAN that this virtual mad	hina uil usa far all
1 Virtual processor		communications through		nine will use for all
IDE Controller 0	2			
Hard Drive disk-0.vhdx				
IDE Controller 1	Bandwidth	Management		
DVD Drive	Enab	le bandwidth managemer	nt	
None		-		
SCSI Controller			utilizes network bandwidth. Bo th are measured in Megabits p	
🗉 📮 Network Adapter				er second.
External Switch	Minimum	bandwidth:	0 Mbps	
None	Maximum	bandwidth:	0 Mbps	
COM 2	0	the selector of the selector	in month to be a set of the design of the de	a the cost of
None		eave the minimum or max	imum unrestricted, specify 0 a	s the value.
🔜 Diskette Drive	To remove t	the network adapter from	n this virtual machine, click Rem	nove.
None				
* Management	_			Remove
I Name			nstead of this network adapter	
lucy43			e guest operating system or w guest operating system.	hen integration
Some services offered	act vice	are not installed in the	guest operating system.	
Checkpoints				
Standard				
🚆 Smart Paging File Location				
C: \ProgramData \Microsoft \	Vin V			

Power on the virtual machine and reconfigure the network:

converting_vmware_to_hyperv https://wiki.lucysecurity.com/doku.php?id=converting_vmware_to_hyperv&rev=1568122825



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