Converting LUCY from VMware ESX to Hyper-

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				-		×
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 > Einish Cancel

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

🐞 Microsoft Virtual Machine Cor	nverter	-		\times
Hyper-V Hos	st			
Before You Begin Machine Type Migration Destination Hyper-V Host Disk Source Virtual Machines Connection Workspace Summary Completion	Select a Hype <u>A</u> ddress: <u>U</u> ser name: Pass <u>w</u> ord:	er-V host as the destination for the virtual machine. winserv (Enter an IP address, computer name or fully qualified domain name.) WINSERV\pavel Image: Computer of the virtual machine. WINSERV\pavel Image: Computer of the virtual machine.		
		< Previous Next > Einish	Cancel	

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

🏂 Microsoft Virtual Machine 🤇	Converter – 🗆 🗙
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 Item VHDX
	< Previous Next > Einish Cancel

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

🀞 Microsoft Virtual Machine Co	onverter		-		×
Source					
Before You Begin Machine Type Migration Destination Hyper-V Host	Specify the o <u>A</u> ddress: <u>U</u> ser name:	details to connect to a vCenter server, ESX server, or ESXi server. 192.168.0.124 (Enter an IP address, computer name or fully qualified domain nam root	ne.)		
Disk Source	Password:	•••••			
Virtual Machines Connection Workspace Summary Completion					
		< Previous Next > Einish		⊆ancel	

6. Select a virtual machine to convert:

🛓 Microsoft Virtual Machine	e Converter			-		×
Virtual M	lachines					
Before You Begin	Select a virtual ma	chine to convert.			1	2
Machine Type	Name	DNS Name	State Used	Space (GB) Me	mory (GB) (P
Migration Destination	lucy43		Off	7.82	4.00	
Hyper-V Host						
Disk						
Source						
Virtual Machines						
Connection						
Workspace						
Summary						
Completion						
						/
		< Previous	Next >	Einish	Cancel	

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

🇯 Microsoft Virtual Machin	e Converter	- 0	×
Virtual N	lachine Connection		
Before You Begin Machine Type Migration Destination Hyper-V Host Disk Source Virtual Machines	Source virtual ma they are on, have will need to conn used for connecti should be enable Virtual machine: User name:	chines that are powered on or off are both supported for conversion. However, supported versions of Linux installed, and are running the VMware tools, yo ect to the machine to enable the VMware tools to be uninstalled. The account on should be the root account on the machine. Remote access through SSH d on the machine.	ver, if ru nt
Connection Workspace Summary Completion	Final state of sour On Final state of dest On Einal state of dest	Use my Windows user account rce virtual machine: Off ination virtual machine: Off	
		< Previous Next > Finish Cance	el

8. Select a location for the converted virtual disks:

🀞 Microsoft Virtual Machine C	onverter		-		×
Workspace	6				
Before You Begin Machine Type Migration Destination	Select a location on th hard disks. Select the workspace	is machine (WINSERV) with enough free space folder path for the converted disks.	for the converted	virtual	
Hyper-V Host	<u>F</u> older:	D:\Hyper-V\lucy43	Browse		
Disk					
Source					
Virtual Machines					
Workspace					
Summary					
Completion					
		< Previous Next >	Einish	Cancel	

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

🎄 Microsoft Virtual Machine C	onverter		-		×
Summary					
Before You Begin Machine Type Migration Destination Hyper-V Host	Review the details and click Finish Warning(s): 1: The operating system of the	h to start conversion. he VMware VM is NOT SUPPORTED. This does	s 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 : Off			
		< <u>P</u> revious <u>N</u> ext > <u>Einish</u>		<u>C</u> ancel	

10. Wait until the conversion process is complete.

🏂 Microsoft Virtual Machine C	onverter			- 0	×
Completion	n				
Before You Begin	Virtual machine conversion: Iu	лсу43			
Machine Type	Name	Status	Start Time	End Time	
Migration Destination	Validate conversion	Completed	8/27/2018 5:15:27 PM	8/27/2018 5:15:38 PM	
Disk	Analyze disk(s)	Not Started	0/2//2010 0:10:30 PM		
Source	Copy disk(s)	Not Started			
Virtual Machines	Provision Hyper-V guest	Not Started			
Connection					
Workspace					
Summary					
Completion					
		< <u>P</u> reviou	is <u>N</u> ext >	Close <u>C</u> ance	el

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
Victual South-bas New virtual network switch Default Network Second South Realitek PCIe GRE Pamily Controller Global Network Settings MAC Address Range 00-15-SD-00-7A-00 to 00-15-SD-0	Create virtual switch Maat how of virtual switch do you want to create? External Private Create Virtual Switch Creates a virtual switch that binds to the physical network adapter so that virtual machines can access a physical network.	Quick Create New Import Virtual Machine 1 Upper Victual Switch Manager Virtual Switch Manager Edit Disk Edit Disk Stop Service Remove Server Refresh View
 New virtual network switch Default Switch Default Network External Switch 	Name: External Switch	Lucy
Realtek PCLe GBE Family Co Global Network Settings MAC Address Range 00-15-5D-00-7A-00 to 00-1	IS-SD-0	<
	External network: Realtek PCIe GBE Family Controller Allow management operating system to spare the Internal network Private network	is network adapter

Connect the external switch to the converted virtual machine:

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lucy43	✓ ◀ ▶ ♥	
* Hardware	Network Adapter	
Add Hardware		
BIOS	Specify the configuration of the network adapter	r or remove the network adapter.
Boot from CD	Virtual gwitch:	
Security Key Storage Drive disabled	External Switch	~
4096 MB	Enable virtual LAN identification	
Processor 1 Virtual processor	The VLAN identifier specifies the virtual LAN th	hat this virtual machine will use for all
E IDE Controller 0	network communications through this network	auapter.
Hard Drive disk-0.vhdx	2	
IDE Controller 1	Bandwidth Management	
OVD Drive	Enable bandwidth management	
None	Specify how this network adapter utilizes netw	work bandwidth. Both Minimum
Ball SCSI Controller	Bandwidth and Maximum Bandwidth are measured	ured in Megabits per second.
External Switch	Minimum bandwidth: 0	Mbps
None	Maximum bandwidth: 0	мвря
COM 2 None	To leave the minimum or maximum unrest	tricted, specify 0 as the value.
Diskette Drive	To remove the network adapter from this virtual	machine, click Remove.
* Management		<u>R</u> emove
I Name	Ite a legacy network adapter instead of the	is network adapter to perform a
lucy43	network-based installation of the guest ope	arating system or when integration
Integration Services Some services offered	services are not installed in the guest opera	ating system.
Checkpoints Standard		
Smart Paging File Location		

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=1568122808



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Last update: 2019/09/10 15:40