

Cisco DNA Spaces:コネクタ Hyper-V

• Hyper-V のダウンロードと展開 (1ページ)

Hyper-Vのダウンロードと展開

この章では、Cisco DNA Spaces:コネクタ をダウンロードして展開し、コネクタ GUI の URL を取得する方法について説明します。

(注) dnasadmin は、以前は cmxadmin でした。

始める前に

Hyper-V で vSwitch を作成します。コネクタ はこの vSwitch に接続します。

手順の概要

- **1.** Cisco.com からコネクタの VHDX イメージをダウンロードし、Hyper-V インスタンスを 作成するフォルダの場所に VHDX を保存します。
- 2. 作成された vSwitch を右クリックし、[New] > [Virtual machine] の順に選択します。
- 3. [Next] をクリックして、Hyper-Vの展開を開始します。
- 4. コネクタの [Name] を入力し、仮想マシンを作成する場所を選択します。
- 5. [Sepecify Generation] ページで [Generation 1 VM] を選択します。
- **6.** [Assign Memory] ページで、仮想マシンインスタンスに4096 MB(4GB)のメモリを指定 します。
- 7. [Configure Networking] ページで、前提条件として作成した vSwitch を選択します。
- **8.** [Connect Virtual Hard Disk] ページで、[Use an existing hard disk] オプションを選択し、 VHDX ファイルが保存されているフォルダの場所を選択します(前提条件)。
- **9.** [Completing the New Machine Wizard] ページに、最終的な要約が表示されます。この要約 を確認して、[Finish] をクリックします。
- **10.** 作成された Hyper-V インスタンスを選択し、[Start] をクリックします。

- **11.** 端末にログインし、デフォルトのユーザ名「root」とデフォルトのパスワード「cisco」 を入力します。
- **12.** Cisco DNA Spaces: コネクタで設定する IP アドレス、ホスト名などのパラメータを指定して、ネットワーク設定を入力します。
- 13. タイムゾーンを入力します。
- **14.** Network Time Protocol (NTP) サーバ名を入力して、システム時刻を NTP サーバと同期 します。NTP サーバを設定しない場合は、空白のままにします。
- 15. root ユーザの新しいパスワードを設定します。
- 16. 管理者権限を持つユーザである dnasadmin ユーザの新しいパスワードを設定します。
- **17.** 自動リブートの前にURLをコピーして保存します。後でこのURLを使用してCisco DNA Spaces: コネクタ GUIを開くことができます。

手順の詳細

- **ステップ1** Cisco.comからコネクタのVHDXイメージをダウンロードし、Hyper-Vインスタンスを作成するフォルダの場所に VHDX を保存します。
- **ステップ2** 作成された vSwitch を右クリックし、[New] > [Virtual machine] の順に選択します。

図 1: Hyper-V 展開の開始

Hyper-V Manager						- 🗆 ×	
File Action View Help							
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Hyper-V Manager	Virtual Machines					Actions	and the strength of the
WIN-E7FRSAF7CMD	Name	State	CRUUkana	Arrianed Memory	Untime	WIN-E7FRSAF7CMD	
	Connector kennecha	Off	CPO Osage	Assigned Memory	Optime	New 🕨	Virtual Machine
						4 Import Virtual Mach	Hard Disk
						Hyper-V Settings	Floppy Disk
						Virtual Switch Mana	
						🔬 Virtual SAN Manage	
	٢					🚄 Edit Disk	
	Checkpoints				(Inspect Disk	
		-				Stop Service	
		The selected virt	tual machine has no	checkpoints.		× Remove Server	
						C Refresh	
						View >	
						Help	
						Connector_kennepha	
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	Connector_kennepha					Settings	
	Created:		5/26/2021 7:53:19	PM Clustered: N	lo	 Start 	
	Configur	ation Version:	9.0			b Checkpoint	
	Generati	on:	1			Move_	
	Notes:		None			Export	
						Rename_	
						Delete	
	Summary Memory Network	ing Replication				Enable Replication	
	<				>	· · · · · · · · · · · · · · · · · · ·	
Displays the New Virtual Machine Wiza	ard.						

(注) [Import Virtual Machine] オプションや [New] > [Hard Disk] オプションは使用しないでください。

ステップ3 [Next] をクリックして、Hyper-Vの展開を開始します。

図 2: Hyper-V 展開の開始

WIN-E7FRSAF7CMD	Virtual Machines			Actions
	Connector_kenne	State in New Virtual Machine Wi Before You Begin Speofy Name and Location Speofy Generation Assign Memory Configure Networking Connect Witual Hard Disk Instalation Options Summary	PPU Usage Assigned Memory Up tard Begin This victor of helps you create a virtual in computers for a variety of uses. You ca you can change the configuration later: To create a virtual machine, do no e of - Click Finish to create a virtual machine - Click Next to create a virtual machine	time solution. You can use virtual machines in place of physical in use this witand to configure the virtual machine now, and using type="/ Nanager. the following: ne that is configured with default values. In that a custom configuration.
			Do not show this page again	

ステップ4 コネクタの [Name] を入力し、仮想マシンを作成する場所を選択します。

	Virtual Machines			Actions	
	Name Connector_kenn	State New Virtual Machine W Specify Na	CPU Usage Assigned Memory Uptim fizard ame and Location	e WIN-EITRISHEJUMU	
	< Checkpoints	Before You Begin Specify Name and Location Specify Generation Assign Memory Configure Networking Connect Virtual Hard Disk Installation Onlines	Choose a name and location for this virtual The name is digitayed in Hyper-V Manager, identify this virtual machine, such as the ne Name: hyperv-connector You can create a folder or use an existing to folder, the virtual machine is stored in the co Stree the virtual machine is a different.	machine. We recommend that you use a name that t me of the guest operating system or worklo folder to store the virtual machine. If you do default folder configured for this server. location	helps you easi ad. Drit select a
Connector_kenne	Location: Checkpoints of this space. Checkpoints include virtual mod	er-VV/taal hard disis/hyper-v-2-31) virtual machine, select a location that has e hine data and may require a large amount o	Browse nough free of space.		
	l Henry		< P	revious Next > Finish	Cancel

10 ? 🖬						
lanager 7FRSAF7CMD	Virtual Machines	State	CPU Usage Assigned Memory 7ard	Uptime	Actions WIN-E7FRSAF7CMD	
	< Checkpoints Connector_kenne	Before You Begin Specify Name and Location Specify Generation Assign Memory Configure Networking Connect Virtual Hand Disk Instalation Options Summary	Choose the generation of this wire @ Generation 1 This virtual machine generation virtual hardware which has be @ Generation 2 This virtual machine generation firmware, and requires a supp More about virtual machine has be	tual machine. on supports 32-bit een available in all on provides suppo ported 64-bit gues ported 64-bit gues ween created, you	and 64-bit guest operating systems a previous versions of Hyper-V. t for newer virtualization features, ha t operating system. cannot change its generation.	nd provide s UEF1-ba
	Summary Memory			< Previous	Next > Finish	Cancel

ステップ5 [Sepecify Generation] ページで [Generation 1 VM] を選択します。

- (注) [Generation 2 VM] はサポートされていません。
- ステップ6 [Assign Memory] ページで、仮想マシンインスタンスに 4096 MB(4GB)のメモリを指定します。
 (注) 4096 MB(4GB)のメモリは、OVAの標準設定に相当します。



ステップ7 [Configure Networking] ページで、前提条件として作成した vSwitch を選択します。

図 3: vSwitch の選択

Virtual Machines					Actions	_
Name Connector_kenn	State C	PU Usage A ard Networking	signed Memory	Uptime	WIN-E7FRSAF7CMD	•
c Checkpoints	Before You Begin Specify Name and Location Specify Generation Assign Memory Configure Networking Connect Virtual Hard Disk Installation Options Summary	Each new vir virbual switch Connection:	tual machine include , or it can remain dis Not Connected Not Connected Volution	s a network adapts	er. You can configure the n	etwork ada
Connector_kenne						

ステップ8 [Connect Virtual Hard Disk] ページで、[Use an existing hard disk] オプションを選択し、VHDX ファイルが 保存されているフォルダの場所を選択します(前提条件)。

Virtual Machines			Actions
Name Connector_kenn	State C	PU Usage Assigned Memory Uptime ard rtual Hard Disk	WIN-E/PROAF/CMU
< Checkpoints	Before You Begin Specify Name and Location Specify Generation Assign Memory Configure Networking Connect Virbuel Hard Disk Summary	A virtual machine requires storage so that you can storage now or configure it later by modifying the v O Create a virtual hard disk. Use this option to create a VHDK dynamically ex- Name: hyperv-connector.vhdx Location: C1/Users/Public/Documents/hyper Size: 127 G8 (Maximum: 6418)	install an operating system. You can sp initial machine's properties. panding virtual hard disk. -Wilhtual hard disks/hyperve2-31
Connector_kenns		Use an existing virtual hard disk Use this option to attach an existing virtual han Location: [C1Users)Public(Documents/Hyper Attach a virtual hard disk later	d disk, either VHD or VHDX format. -WWitwal Hard Disks\



Name State CPU Usage Assigned Memory Uptime WIN-ETREAF7CMD State CPU Usage Assigned Memory Uptime WIN-ETREAF7CMD Connector Jame Open Connector Jame Active Wirtual Machine Wizard Checkpoints Connector Jame New Volder Connector Jame Open Size Connector Jame Open Size Connector Jame Open Size Connector Jame Open Size Connector Jame Open Open Open Open Open Open Open Ope	(WIN-E/FRAM/CUIL)	Connector_kenr	State CF Image: State Participation Image: Open Image: State Image: State Image: State Organize New fold Image: State New fold	UUsage Assigned Memory Uptime rd blic Documents • Hyper-V • Virtual hard disks ler	 WIN-E7FRSAF7CMU hyper-v-2-31 	v Ö Search h	×	
Connector_Jerra Connector_Jerra Connector_Jerra Connector_Jerra Connector_Jerra Public Documents · Hyper-V · Virtual hard disks · hyper-v-2-31 Organize · New folder Class result of the state of the s		Connector_kenr	New Virtusl Machine Wizs Open ← → ▼ ↑	ird iblic Documents → Hyper-V → Virtual hard disks ier	> hyper-v-2-31	ע ט Search h	×	
		< Checkpoints	Open ← → × ↑	iblic Documents > Hyper-V > Virtual hard disks ler	hyper-v-2-31	✓ Ŏ Search h	uper u 2 31	
Image: Connector Jerna Image: This PC Image: This PC Im		< Checkpoints	← → × ↑ ⊆ « Pu Organize ▼ New fold	iblic Documents Hyper-V Virtual hard disks	› hyper-v-2-31	✓ Ö Search h	uper u. 2. 24	
Criganize • New folder Image: Size + Siz		< Checkpoints	Organize New fold	er			yper-v-2-51	
Ceckpoints		Checkpoints	+ Quick access				8∷ ▼	
Curcepoints Image File 5.218.304 KB		Checkpoints	F To Long the standard of	Name	Date modified	Туре	Size	
Connector_kenn Connector Connector_kenn Connector_kenn Connector_k			Desisten #	🕳 cisco-dna-spaces-connector-2.3.478.vhdx	6/8/2021 7:50 PM	Hard Disk Image File	5,218,304 KB	
Connector_kenni This PC			Documents Pictures hyper-v-2-31 Microsoft Manageme					
Network.		Connector_kenne	💻 This PC					
			🥏 Network					

ステップ9 [Completing the New Machine Wizard] ページに、最終的な要約が表示されます。この要約を確認して、 [Finish] をクリックします。

anager FRSAF7CMD	Virtual Machines				Actions
	Name Connector_kene	State C State C New Virtual Machine Wiz Completing	PU Usage Assigned Memory and the New Virtual Machine W	Uptime izard	WIN-EITROV/CMD
	< Checkpoints	Before You Begin Specify Name and Location Specify Generation Assign Memory Configure Networking Connect Virtual Hard Disk Summary	You have successfully completed the following virtual machine. Description: Description: Generation 1 Generation 1 Memory: 4006 MB Network: Viwitch Hard Disk: C:'Wises/Public/Doctored	the New Virtual M	fachine Wilzard. You are about to create the
	Connector_kenne		< To create the virtual machine and	dose the wizard	, didi Pinish.
	Summary Memory			< Previous	Next> Finish Can

Hyper-V インスタンスが作成されます。

ステップ10 作成された Hyper-V インスタンスを選択し、[Start] をクリックします。

V Manager Virtual Mach	ines				Actions
Name Ngpervoor Checkpoints	State rector CH The selected vi	CPU Usage	Assigned Memory	Uptime	WIN-EFERSAF7CMD New I Import Virtual Mach Hyper-V Settings Virtual Switch Manage Citual Switch Manage Citual SAN Manage Stop Service Stop Service Refresh View I Help hyperv-connector
hyperv-conn	ector				Connect_
	Created: Configuration Version:	6/9/2021 3:57:29 PM 9.0	Clustered: N	0	 Start Start
	Generation: Notes:	1 None			Move Export Rename
Summary M	emory Networking Replication				Sc Delete

仮想マシンコンソールが開きます。

- ステップ11 端末にログインし、デフォルトのユーザ名「root」とデフォルトのパスワード「cisco」を入力します。
- ステップ12 Cisco DNA Spaces: コネクタ で設定する IP アドレス、ホスト名などのパラメータを指定して、ネット ワーク設定を入力します。

E cmx-connector-ntp-test-2
Starting network setup
Please enter hostname: connector
Please enter IP address: 🔟 22.244.004
Please enter netmask: 255.255.255.0
Please enter gateway: 19.202 200.1
Please enter DNS server: IVU.LUJ.LUJ
Please enter search domain name:
Confirm network settings? (yes/no)
Enter Network
Settings

(注) この設定画面は60秒でタイムアウトするので、再設定を避けるために時間内に入力してください。

ステップ13 タイムゾーンを入力します。

dhanashri-conn-545-11	🖬 🖬 📑 🏠 Actions 🛞
Timezone setup Would you like to setup timezone? (blank for default value (UTC)) Y	
1. HUFIGA - Press 1 2. America - Press 2 3. Asia - Press 3 4. Australia - Press 4 5. Europe - Pores 5	
Please select an option from the list at Configure Time Zone	is 1))
1. America/Anchorage - Press 1 2. America/Buenos_Aires - Press 2 3. America/Chicago - Press 3 4. America/Denver - Press 4 5. America/Los Angeles - Press 5	
6. America/Mexico_City - Press 6 7. America/New_York - Press 7 8. America/Phoenix - Press 8	
9. America/Regina - Press 9 10. America/Santiago - Press 10 11. America/Sao_Paulo - Press 11 12. America/Toronto - Press 12	
13. America/Vancouver - Press 13 Please select an option from the list above: (blank for default (Default value) 5	is 1))
	.:
dhanashri-conn-545-11	🖬 🖬 🖷 🏟 Actions 🛞
dhanashri-conn-545-11 Timezone set successfully Local time: Thu 2020-02-20 04:10 PST	🛛 🖸 🖶 🐳 Actions 🚫
dhanashri-conn-545-11 Timezone set successfully Local time: Thu 2828-82-28 96-18 PST Universal time: Thu 2828-82-28 15:86 Time Zone set	a in in in its and a colored a
Image: Construction of the second	🖬 🖬 🔚 🌺 Actions 🔕
<pre>dhanashri-conn-545-11 Timezone set successfully Local time: Thu 2020-02-20 23-10 PST Universal time: Thu 2020-02-20 23- RTC time: Thu 2020-02-20 15:06 Time zone: America/Los_Angeles NTP enabled: yes NTP synchronized: no RTC in local TZ: yes DTT active: no</pre>	🖬 📄 📑 🏠 Actions 🔕
<pre>dhanashri-conn-545-11 Timezone set successfully Local time: Thu 2828-82-28 23: Universal time: Thu 2828-82-28 23: RTC time: Thu 2828-82-28 15:86 Time zone: America/Los_Angeles NTP enabled: yes NTP synchronized: no RTC in local TZ: yes DST active: no Last DST change: DST ended at Sun 2819-11-83 81:59:59 PDT</pre>	🖬 🖬 🖿 🍓 Actions 🔕
<pre>dhanashri-conn-545-11 Timezone set successfully Local time: Thu 2020-02-20 23. Universal time: Thu 2020-02-20 23. RTC time: Thu 2020-02-20 23. RTC time: Thu 2020-02-20 15:06 Time zone: America/Los_Angeles NTP enabled: yes NTP synchronized: no RTC in local TZ: yes DST active: no Last DST change: DST ended at Sun 2019-11-03 01:09:00 PST Next DST change: DST ended at Sun 2019-11-03 01:00:00 PST Next DST change: DST ended at Sun 2019-11-03 01:00:00 PST</pre>	🖬 📄 📑 🏠 Actions 🛞
<pre>dhanashri-conn-545-11 Timezone set successfully Local time: Thu 2828-82-28 23. Universal time: Thu 2828-82-28 15:86 Time zone: America/Los_Angeles NTP enabled: yes NTP synchronized: no RTC in local TZ: yes DST active: no Last DST change: DST ended at Sun 2819-11-83 01:59:59 PDT Sun 2819-11-83 01:59:59 PDT Next DST change: DST begins (the clock jumps one hour forward) at Sun 2828-83-88 01:59:59 PST Sun 2828-83-88 03:60:60 PDT</pre>	🖬 📄 📑 🏠 Actions 🛞
 dhanashri-conn-545-11 Timezone set successfully Local time: Thu 2828-82-28 23. BT time: Thu 2828-82-28 23. BT time: Thu 2828-82-28 15.86 Time zone: America/Los_Angeles NTP enabled: yes NTP synchronized: no RTC time: Thu 2828-82-28 15.86 Time zone set successfully Time zone set successfully ST active: no Last DST change: DST ended at Sun 2819-11-83 81:59:59 PDT Sun 2819-11-83 81:68:80 PST Next DST change: DST begins (the clock jumps one hour forward) at Sun 2828-83-88 81:59:59 FST Sun 2828-83-88 81:59:59 FST Sun 2828-83-88 83:80:80 PDT Warning: The system is configured to read the RTC time in the local time zone. This mode can not be fully supported. It will create various problems with time zone changes and daylight saving time adjustments. The RTC time is mean undeted, it malies on external facilities to maintain it 	🖬 🖬 🖿 🍋 🏠 Actions 🔇
 dhanashri-conn-545-11 Timezone set successfully Local time: Thu 2828-82-28 23: RTC time: Thu 2828-82-28 23: RTC time: Thu 2828-82-28 15:86 Time zone: America/Los_Angeles NTP enabled: yes NTP enabled: yes NTP synchronized: no RTC in local T2: yes DST active: no Last DST change: DST ended at Sun 2819-11-83 81:59:59 PDT Sun 2819-11-83 81:59:59 PDT Sun 2819-11-83 81:59:59 PST Sun 2819-3-88 81:59:59 PST Sun 2828-83-88 83:80:80 PDT Warning: The system is configured to read the RTC time in the local time zone. This mode can not be fully supported. It will create various problems with time zone changes and daylight saving time adjustments. The RTC time is never updated, it relies on external facilities to maintain it. If at all possible, use RTC in UTC by calling 'timedatectl set-local-rtc 8'. 	🖬 🖬 🖿 🍋 🏠 Actions 🛞
 dhanashriconn-545-11 Timezone set successfully Local time: Thu 2828-82-28 23: RTC time: Thu 2828-82-28 15:86 Time zone: America/Los_Angeles NTP enabled: yes NTP synchronized: no RTC in local TZ: yes DST active: no Last DST change: DST ended at Sun 2819-11-83 81:59:59 PDT Sun 2819-11-83 81:68:08 PST Next DST change: DST begins (the clock jumps one hour forward) at Sun 2828-83-88 81:59:59 PDT Sun 2828-83-88 83:89:80 PDT Warning: The system is configured to read the RTC time in the local time zone. This mode can not be fully supported. It will create various problems with time zone changes and daylight saving time ad justments. The RTC time is never updated, it relies on external facilities to maintain it. If at all possible, use RTC in UTC by calling 'timedatectl set-local-rtc 8'. Please hold on Fetching additional configurations 	R R R R R R R R R R R R R R R R R R R
 dhanashri-conn-545-11 Timezone set successfully Local time: Thu 2828-82-28 23: Hight and the set of t	R R R R R R R R R R R R R R R R R R R
 dhanashri-conn-545-11 Timezone set successfully Local time: Thu 2828-82-28 23: RTC time: Thu 2828-82-28 15:86 Time zone: America/Los_fingeles NTP enabled: yes NTP enabled: yes NTP synchronized: no RTC in local TZ: yes DST active: no Last DST change: DST ended at Sun 2819-11-83 81:59:59 PDT Sun 2819-11-83 81:59:59 PDT Sun 2819-11-83 81:59:59 PDT Sun 2819-11-83 81:59:59 PDT Sun 2819-83-88 83:80:80 PDT Next DST change: DST begins (the clock jumps one hour forward) at Sun 2828-83-88 83:80:80 PDT Warning: The system is configured to read the RTC time in the local time zone. This mode can not be fully supported. It will create various problems with time zone changes and daylight saving time ad justments. The RTC time is never updated, it relies on external facilities to maintain it. If at all possible, use RTC in UTC by calling 'timedatectl set-local-rtc 8'. Please hold on Fetching additional configurations 	R R R R R R R R R R R R R R R R R R R

ステップ14 Network Time Protocol (NTP) サーバ名を入力して、システム時刻をNTP サーバと同期します。NTP サーバを設定しない場合は、空白のままにします。

図 5:NTP 設定の入力



ステップ15 root ユーザの新しいパスワードを設定します。

Changing password for user	root.
New password:	Reset root
Retype new password:	
passwd: all authentication	tokens updated successfully.
Changing password for user	dnasadmin.
New password:	Reset dnasadmin
Retype new password:	password
masswd: all authentication	tokens undated successfully.

ステップ16 管理者権限を持つユーザである dnasadmin ユーザの新しいパスワードを設定します。

Changing password for user	root.
New password:	Reset root
Retype new password:	
passwd: all authentication	tokens updated successfully.
Changing password for user	dnasadmin.
New password:	Reset dnasadmin
Retype new password:	password
passwd: all authentication	tokens updated successfully.

ステップ17 自動リブートの前に URL をコピーして保存します。後でこの URL を使用して Cisco DNA Spaces:コネ クタ GUI を開くことができます。

> DNS Spaces Connector UI: https://10.22.244.90 Username log in: dnasadmin The install is complete, a reboot will occur in 5 seconds...



Cisco DNA Spaces でこのコネクタを設定できます。

I