Implantar VM do FDM do Azure Marketplace Usando Modelo

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Configuração Básica do FDM

Introdução

Este documento descreve a implantação do Cisco Secure Firewall Threat Defense Virtual (FDM) em uma máquina virtual usando o Azure Marketplace e modelos.

Pré-requisitos

Requisitos

A Cisco recomenda que você tenha conhecimento destes tópicos:

- Cisco Secure Firewall Management Center (FMC)
- Defesa contra ameaças (FTD) do Cisco Secure Firewall
- Conta/Acesso do Azure

Componentes Utilizados

As informações neste documento são baseadas nestas versões de software:

- Cisco Secure Firewall Threat Defense Versões virtuais: 7.4.1, 7.3.1, 7.2.7, 7.1.0, 7.0.6 e 6.4.0

As informações neste documento foram criadas a partir de dispositivos em um ambiente de laboratório específico. Todos os dispositivos utilizados neste documento foram iniciados com uma configuração (padrão) inicial. Se a rede estiver ativa, certifique-se de que você entenda o impacto potencial de qualquer comando.

Configurar

Os clientes encontraram problemas ao tentar implantar um Firepower Device Manager (FDM) em uma máquina virtual do Azure, especificamente ao usar o Azure Marketplace e modelos.

Implantar FDM do Modelo no Portal do Azure

Para implantar o FDM no portal do Azure, use este procedimento:

1. Navegue até o portal do Azure e localize o Marketplace nos Serviços do Azure. Procure e selecione Cisco Secure Firewall Threat Defense Virtual - BYOL e PAYG.

≡ Microsoft Azure			, <i>P</i> Searc	h resources, services, and docs (G+/)		💁 Copilot
Home > Marketplace …						
Get Started	₽ firepower	×	Publisher name : All × Product 1	ype : All × Publisher Type : All ×	Operating System : All ×	Pricing : All ×
Service Providers	Azure services only					
Management	Showing 1 to 3 of 3 results for 'firepor	wer'. <u>Clear search</u>				
Private Marketplace Private Offer Management	core SECURE	SECURE	Secure B			
My Marketplace	Cisco Firepower eStreamer	Cisco Secure Firewall Management Center Virtual	Cisco Secure Firewall Threat Defense Virtual – BYOL and			
Favorites	Cisco Systems, Inc. Azure Application	Cisco Systems, Inc. Azure Application	Cisco Systems, Inc. Azure Application			
My solutions Recently created	Stream Firepower System Events to Microsoft Sentinel	Comprehensive visibility and control for your dynamic cloud	Secure your cloud with application visibility and control, IPS, malware			
Private plans		environments in a single pane of glass	defense, and URL filtering.			
Categories	Price varies	Price varies	Price varies			
Networking (3)	Create 🗸 🛇	Create 🗸 🛇	Create 🗸 🛇			
Security (3)						
Al + Machine Learning (0)	Previous Page 1 V of	1 Next				

Procure Firepower e selecione Cisco Secure Firewall Threat Defense Virtual - BOYL

2. Clique em Criar para iniciar o processo de configuração do FTD.

=	Microsoft Azure			🔎 Search reso	ources, services, and docs (G+/)	🧐 Copilot
Hom	Home > Marketplace >					
Cisco	co Secure Firewall Systems, Inc.	Threat Defense Virtu	al – BYOL and PAYG	\$2		
SEC	Cisco Secure Cisco Systems, Inc. At * 4.0 (2 ratings)	e Firewall Threat Defe	ense Virtual – BYOL	. and PAYG $ \diamondsuit $ Add to Fav	orites	
	H Microsoft preferred solution Plan Cisco Secure Firewall Threat Defense					
Cis Lea	Leverage Azure Traffic Manager for highly scalable remote access VPN Integrate with Azure Transit VNet for scalable inter-VNet traffic Cisco Talos® Threat Intelligence is included, protecting against known and unknown threats from one of the world's largest commercial threat intelligence teams. Learn more					
*Fo	rrester Total Economic Impact of pre products from Cisco Syst	Cisco Secure Firewall, 2022. www.cisco ems, Inc. <u>See All</u>	.com/go/firewallTEl			
	Μ	-dialo cisco	altalta cisco	dialia		
c	isco Meraki vMX	Cisco Catalyst 8000V Edge Software (PAYG)	Cisco Catalyst 8000V Edge Software - Solution	Cisco Nexus Dashboard		
0	isco Systems, Inc.	Cisco Systems, Inc.	Cisco Systems, Inc.	Cisco Systems, Inc.		
A	zure Application	Virtual Machine	Azure Application	Azure Application		
c y	Cisco Meraki Virtual MX to onnect your Meraki network to our Azure deployments	Deploy and manage enterprise-class networking services and VPN technologies for the Azure cloud.	Deploy and manage enterprise-class networking services and VPN technologies for the Azure cloud.	Simplified, centralized data center dashboard makes it easier to manage your hybrid cloud network		

Criar VM do Portal do Azure

 \heartsuit

Starts at \$2.53/hour

Create 🗸 🗢 🗢

Price varies

Create 🗸 🗢 🗢

Starts at Free

Create \lor

3. Na página de configuração básica, crie um Grupo de Recursos para o dispositivo, escolha a região e selecione um nome para a VM.

Price varies

Create \checkmark

 \heartsuit

Create Cisco Secure Firewall Threat Defense Virtual – BYOL and PAYG

Review + create

...

Project details		
Select the subscription to manage deploy manage all your resources.	ed resources and costs. Use resource groups like folders to	organize and
Subscription * 🕕	fw-azure	\sim
Resource group * 🛈	Create new	~
Instance details Region * ①	A resource group is a container that holds related resources for an Azure solution.	~
Virtual Machine name * 🛈	Name *	
Licensing ①		~
Software Version ①		~

Criar um novo Grupo de Recursos

Basics

Cisco FTDv settings

4. Escolha a versão desejada para a implantação da VM nas opções disponíveis.

Software Version ①	7.4.1-172	\sim
Availability Option * ①	7.4.1-172	
	7.3.1-19	
Username for primary account (not the	7.2.7-500	
FTDv admin user account) * ①	7.1.0-92	
Authentication type * ①	7.0.6-236	
	6.4.0-110	

Versões Disponíveis para Implantação no Azure Market

5. Configure um nome de usuário para a conta Principal, escolha Senha como o tipo de Autenticação e defina a Senha para acesso à VM e a senha de Admin.

\equiv Microsoft Azure	۶.
Home > Marketplace >	
Create Cisco Secure Fire	ewall Threat Defense Virtual – BYOL and PAYO
Basics Cisco FTDv settings Review	w + create
Droject details	
Select the subscription to manage deployed	ed resources and costs. Use resource groups like folders to organize and
manage all your resources.	
Subscription * ①	fw-azure 🗸
Resource group * ①	(New) FDM V
	Create new
Instance details	
Region * ①	East US 🗸
Virtual Machine name * ①	fdm 🗸
Licensing ①	BYOL : Bring-your-own-license
Software Version	741-172
Availability Option * ①	Availability Zone
Username for primary account (not the FTDv admin user account) * ①	
Authentication type * ①	Password
	SSH Public Key
Password * (i)	·····
Confirm password *	
commin passion	· · · · · · · · · · · · · · · · · · ·
Admin Password * ①	·····
Confirm Admin Password * 🕕	······
FTDv Management * ①	FDM : Firepower Device Management

Nome de usuário e Senhas de administrador.

6. Para o tipo de gerenciamento, selecione FDM para a finalidade deste documento.

FTDv Management * 🕕	FMC : Firepower Management Center 🗸 🗸]
Enter EMC registration information *	FDM : Firepower Device Management	
	FMC : Firepower Management Center	

Management Device (Dispositivo de gerenciamento).

7. Na guia Cisco FTDv Settings, revise o tamanho da VM, a conta de armazenamento, o endereço IP público e o rótulo DNS, que são criados por padrão após concluir a configuração básica.

Certifique-se de que a rede virtual, a sub-rede de gerenciamento e outras configurações de Ethernet estejam corretas.

Home > Marketplace >

Create Cisco Secure Firewall Threat Defense Virtual – BYOL and PAYG

...

Basics Cisco FTDv settings Rev	view + create	
Virtual machine size * 🕕	1x Standard D3 v2 4 vcpus, 14 GB memory Change size	
Storage account * ①	(new) 8b0896 Create New	e65 V
Public IP address ①	(new)pip Create new	~
DNS label ①	c352e65c	
		.eastus.cloudapp.azure.com
Attach diagnostic interface * 🛈	 No Yes 	
Virtual network ①	(New) vnet01 FDM	~
Management subnet * ①	(New) subnet1 Edit subnet	172.18.0.0 - 172.18.0.255 (256 addresses)
GigabitEthernet 0/0 subnet * 🛈	(New) subnet2 Edit subnet	172.18.1.0 - 172.18.1.255 (256 addresses)
GigabitEthernet 0/1 subnet * 🕕	(New) subnet3 Edit subnet	172.18.2.0 - 172.18.2.255 (256 addresses)
Public inbound ports (mgmt. interface)	 None Allow selected ports 	
 All traffic from the Internet will be the Networking page later. 	blocked by default. You will be able to ch	ange inbound port rules in the VM

Cisco FTDv Settings (Configurações de FTDv Cisco).

8. Selecione Allow seleted Port para ativar as portas SSH (22), SFTunnel (8305) e HTTPS (443) para acesso HTTPS à VM e porta SFTunnel para migração do dispositivo para o FMC.



Portas a serem permitidas no Cisco FTDv

Verificar a configuração da VM

9. Revise a configuração na guia Revisar + Criar e crie a VM.

Create Cisco Secure Firewall Threat Defense Virtual – BYOL and PAYG

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TERMS

By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. See the Azure Marketplace Terms for additional details.

Name

Preferred	e-mail	address

Preferred phone number

@cisco.com		
erisco.com		

Basics

Subscription	fw-azure
Resource group	FDM
Region	East US
Virtual Machine name	fdm
Licensing	BYOL : Bring-your-own-license
Software Version	7.4.1-172
Availability Option	None
Username for primary account (not the	
Password	**********
Admin Password	*****
FTDv Management	FDM : Firepower Device Management

Cisco FTDv settings

Virtual machine size	Standard_D3_v2
Storage account	8b089e65
Public IP address	fdm-pip
Domain name label	-fdmc352e65c
Attach diagnostic interface	No
Virtual network	vnet01
Management subnet	subnet1
Address prefix (Management subnet)	172.18.0.0/24
GigabitEthernet 0/0 subnet	subnet2
Address prefix (GigabitEthernet 0/0 su	172.18.1.0/24
GigabitEthernet 0/1 subnet	subnet3
Address prefix (GigabitEthernet 0/1 su	172.18.2.0/24
Public inbound ports (mgmt. interface)	Allow selected ports
Select Inbound Ports (mgmt. interface)	SSH (22), SFTunnel (8305), HTTPS (443)

Revisar e criar.

Neste ponto, podemos enviar a criação da VM.

10. Monitore o andamento da disponibilização na guia Visão Geral, onde uma mensagem indica que a Disponibilização está em andamento.

Home > cisco.cisco-firepowe Deployment Search «	er-threat-defense-appliance-				×
Oveniew Duputs Outputs Outputs Template	Deployment is in progress Deployment name : cisco.cisco-firepower-threat-defense-appliance Resource group : Deployment details	Start time : 6/11/2024, 11:50:26 AM Correlation I/D : cc0d6c85f322			Microsoft Defender for Cloud Secure your apps and Infrastructure Go to Microsoft Defender for Cloud >
	Resource	Туре	Status	Operation details	Start learning today >
	C Idm	Virtual machine	Created	Operation details	Work with an expert
	C Ida 1000000000000000000000000000000000000	Storage account	ок	Operation details	Azure experts are service provider partners who can help manage your assets on Azure
	I dom Nic2	Retwork interface	Created	Operation details	and be your first line of support.
	Idm Nic1	Retwork interface	Created	Operation details	Find an Azure expert >
	-fdm Nic0	Retwork interface	Created	Operation details	
	vnet01	 Virtual network 	ок	Operation details	
	© (5009e65	Storage account	ОК	Operation details	
	pid-4da66463-6b9b-47e7-93d5-2cbbfa4ed70d-partnercenter	Deployment	ок	Operation details	
	S fdm pip	Public IP address	ОК	Operation details	
	Subnet2-RouteTable	🔼 Route table	ок	Operation details	
	Subnet3-RouteTable	🔼 Route table	ок	Operation details	
	-Fdm -Data-SecurityGroup	Network security group	ок	Operation details	
	Subnet1-RouteTable	🔼 Route table	ок	Operation details	
	Mgmt-SecurityGroup	Network security group	ок	Operation details	
	Give feedback R Tetl us about your experience with deployment				

Implantação em andamento.

Verificar VM Implantada no Azure

11. Quando a VM for criada, localize-a na seção Máquinas virtuais para encontrar suas características e o endereço IP público atribuído.

Microsoft Azure	, ← Search resources, services, and docs (G+/)			e 🖉 🛛 🖸		0
Nome > Virtual machines 🖉						×
+ Create \lor \rightleftarrows Switch to classic 🕚 Reservations \lor 🔘 Manage view \lor 🕐 Refresh 🛓 Ex	xport to CSV 😵 Open query 🕴 🕅 Assign tags 🕞 Start 🦿 R	estart 🔲 Stop 🗊 Delete 💷 Services 🗸 🤌	Maintenance 🗸			
Filter for any field	als all $ imes$. Location equals all $ imes$. The second secon					
Showing 1 to 2 of 2 records.				No grouping	∨ III List view	×
Name ↑↓ Type ↑↓ Subscription	↑↓ Resource group ↑↓ Location ↑↓	Status 14 Operating system 1	'↓ Size ↑↓	Public IP address \$\pprox_4\$	Disks †4	
🗌 🐺 -fdm- Virtual machine -fw	w-azure _FDM_ East US	Running Linux	Standard_D3_v2	.107	1	

Localização de Máquinas Virtuais

configuração inicial do FDM.

«	fdm Virtual machine	\$ \$ ···		×
	₽ Search «	🖋 Connect 🗸 ▷ Start 🦿 Restart 🔲 Stop 🕔 Hilbernate 🐹 Capture 📋 Delete 🖒 Refresh	h 🛄 Open in mobile 🔗 Feedback 🐻 CLI / PS	
	Overview	A foundation		ICON N.
_	Activity log	Ssentials		JSON VIEW
		Resource group (move) : FDM	Operating system : Linux (ciscoftdv)	
	Access control (IAM)	Status : Running	Size : Standa, Copy to dipboard 4 GiB memory)	
	🥏 Tags	Location : East US	Public IP address : 8.107	
	X Diagnose and solve problems	Subscription (move) : <u>-fw-azure</u>	Virtual network/subnet : <u>vnet01/subnet1</u>	
	Connect	Subscription ID : ca20fa3e1482	DNS name : (dm 32e65c.eastus.cloudapp.azure.com	
	connect		Health state : -	
	S Connect		Time control . CHAPDOA DEO DALUTE	
	× Bastion	Taos (edit) : Add taos	Time created : by 11/2024, 300 PM OIC	
	Networking			

IP Público para FDM

Configuração Básica do FDM

13. Defina as configurações básicas selecionando um IP dentro do intervalo designado, configurando o NTP e registrando o dispositivo com a licença.

Aqui você pode encontrar a documentação da Configuração Inicial do FDM.

← → C	O & https:// I8.107/#/easysetup/ste	ip-1		80% G
Firewall Device Manager	Device: fdm		admin Adminit	itrator Y shale SECURE
		Cisco Firepower Thread Defense for Azure Cisco Firepower Thread Defense for Azure O O O O O O O O O O O O O O O O O O O	LEPYCALCERNARY CONCOLE CONCO	
		Connect firewall The initial access control policy will a You can edit the polic Pole 1 Test Outbound Traffic This rule alcoss traffic to go from This rule alcoss traffic to go from For the Smart License configuration.	to Internet nforce the following actions. after setup. UII Action Action Action Action Ad Other Partic default action blocks all other c.	
		Outside Interface Address Connect Glaphilithemet00 (Outside) to you your cable modem or router. Then, configure interface.	r ISP/WAN device, for example, the addresses for the outside	
		Configure IPv4 Manually input	*	
		IPv4 Address .1,15		
		Network Mask 255.255.255.0	v	
		Gateway .1.1	0	
		Configure IPv6		
		Off	~	
		IPv6 Address Disabled		
		Prefix Length Disabled		

14. Após registrar o dispositivo, assegure-se de que nenhuma implantação pendente permaneça.



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