



CAS in Action

*Powering a Resilient, Efficient and Open
Virtualized Future*



サーバー関連日本語ドキュメント

□ CAS

H3C CAS CVM クイックスタートガイド

H3C CAS CVM インストレーションガイド

H3C CAS CVM ユーザーガイド(オペレーションセンター編)

H3C CAS CVM ユーザーガイド(クラウドサービスの管理編)

H3C CAS CVM ユーザーガイド(コンテナエンジンサービス編)

H3C CAS CVM ユーザーガイド(システムの運用と保守編)

H3C CAS CVM ユーザーガイド(システム管理編)

H3C CAS CVM ユーザーガイド(リソース編)

H3C CAS CVM リソーススケールイン スケールアウト設定ガイド

H3C CAS CVM VM構成チューニングガイド

H3C CAS CVM VM バックアップおよびリストア設定ガイド

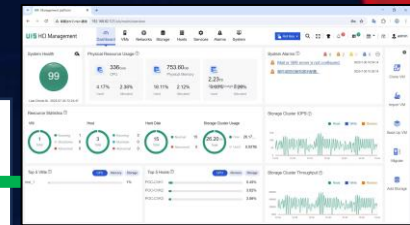
H3C CAS 仮想マシンの作成とマイグレーション

H3C CAS 外部VMからの移行とバックアップ

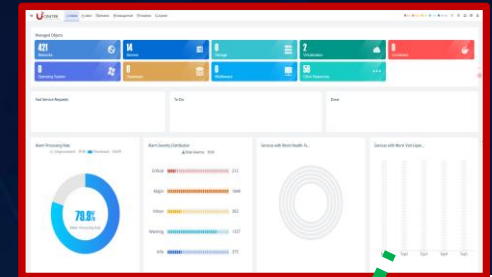
H3Cサーバーの統合管理ポートフォリオ

UIS Manager

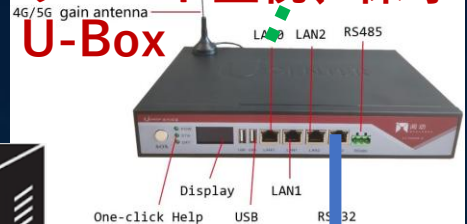
H3C



U-Center



リモート監視、保守
U-Box



Unisystem
サーバー

HCI (Hyper-Converged Infrastructure) - UIS

UIS Primary

UIS Backup

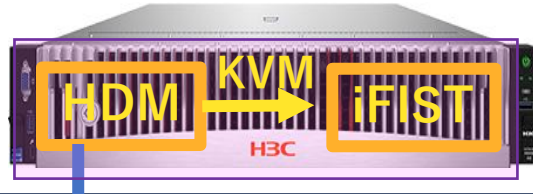
UIS Backup

仮想化アプリケーション (CAS)
クラスター構成

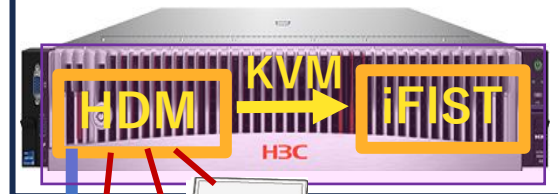
VM VM VM

VM VM VM

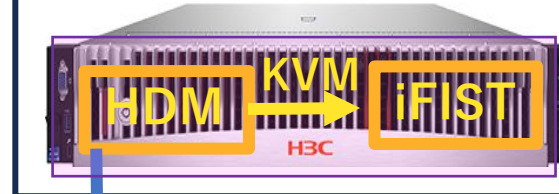
VM VM VM



管理モジュール
LAN NODE#1



管理モジュール
LAN NODE#2



管理モジュール
LAN NODE#3



仮想マシンの作成とマイグレーション

本セクションでは、クラスターおよびホストの管理ページについて説明し、プラットフォームが提供する管理機能の理解を深めます。



クラスター管理ページ

クラスター管理ページには、クラスターの概要、パフォーマンス監視、クラスター構成、ホストおよびVM情報、ストレージと仮想スイッチ(vSwitch)のリソース管理、アプリケーションの可用性(HA)管理、権限、アラーム、タスクログなどのモジュールが含まれます。

Compute / Resource Navigation

All

VM Group

Resources

+

Datacenter

cluster

host266

cdpNode1

KaaS

new

newVM

tempVM

test

testVM_001

VM3

VM-inside

VM-inside_A

VM-Product_001

VM-Product_002

VM-Rocky-A

VM-ubuntu_A

VM-ubuntu_B

host279

k8s-ctrl-374fd017

k8s-ctrl-6533e26e

k8s-ctrl-8d244873

k8s-work-d1b3761d

VM2

Compute Cluster: cluster

Add Host

Add VM

More

Summary

Performance Monitor

Configure

Hosts

VMs

vSwitches

Storage

App HA

Permissions

Notifications

Tasks

Basic Info

詳細なクラスター情報を表示します

VM Density

10

CPU

88

Total Memory

469.70GB

Local Storage

1.15TB

Available Storage

931.36GB

Cluster Descript...

HA: Enable

DRS(C): Enable

Tags: None

DRS(S): Enable

Container Clust... Yes

DPM: Off

Resource Performance

Alarm Statistics

More(13)

13 Total

Critical 1

Major 5

Minor 4

Info 3

Host"host279"(172.30.27.9) Host NIC "9c:e8:95:de:ed:f7,eth1" failure alarm.

2026-05-21 11:03:02 - 2026-05-21 11:03:02 Repeat 1 Times

Acknowledge

Host"host279"(172.30.27.9) The inbound packet loss rate of NIC "9c:e8:95:de:ed:f9" has reach...

2026-05-23 17:39:28 - 2026-05-23 18:20:28 Repeat 40 Times

Acknowledge

Host"host266"(172.30.26.6) The inbound packet loss rate of NIC "9c:e8:95:de:ed:93" has reach...

2026-05-23 09:14:35 - 2026-05-23 09:31:05 Repeat 14 Times

Acknowledge

VM "VM-inside_A"(0.0.0.0) Snapshot "init-snapshot" for VM "VM-inside_A" has been retained f...

2026-05-23 15:52:42 - 2026-05-23 18:17:41 Repeat 29 Times

Acknowledge

VM "VM-Rocky-A"(172.30.10.113) The VM memory usage has reached 80%. The current mem...

2026-05-23 09:15:04 - 2026-05-23 18:17:04 Repeat 106 Times

Acknowledge

Host Statistics

2 Total

Normal 2

Abnormal 0

Maintain 0

Quarantine 0

VM Statistics

20 Total

Normal 8

Shutdown 12

Resource Usage

CPU Usage

3.28%

Memory Usage

13.60%

Storage Usage

21.14%

CPU Allocation Ratio

118.18%

Memory Allocation Ratio

40.45%

Shared Storage Allocatic

112.94%

Memory Status

Total Memory

13.6%

63.87GB

469.69GB

HugePages (Reserved)

0%

0.00MB

0.00MB

HugePages (Dynamic)

0%

0.00MB

469.69GB

Top 5 Hosts by CPU Usage

host279

5.69%

host266

2.76%

Top 5 Hosts by Memory Usage

host279

19.20%

host266

8.67%

Top 5 Hosts by Throughput

host266

89.17MBps

host279

30.54MBps

Top 5 Hosts by Disk Requests

host279

168IOPS

host266

96IOPS

Compute / Resource Navigation

All VM Group

Resources

Datacenter

cluster

host266

cdpNode1

KaaS

new

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test

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VM-inside

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k8s-work-d1b3761d

VM2

Compute Cluster: cluster

Add Host Add VM More

Summary Performance Monitor Configure Hosts VMs vSwitches Storage App HA Permissions Notifications Tasks

Real-Time

🔄 クラスターのパフォーマンスモニタリング情報を表示します

CPU Usage

Memory Usage

I/O Throughput (KBps)

Disk I/O Delay (ms)

Disk Requests (IOPS)

Compute / Resource Navigation

All VM Group

Resources

Datacenter

cluster

host266

cdpNode1

KaaS

new

newVM

tempVM

test

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VM-ubuntu_B

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k8s-ctrl-8d244873

k8s-work-d1b3761d

VM2

HA

DRS

VM CPU Operating Mode

DPM

Route Management

VM/Host Groups

Affinity Rules

Remote USB Devices

SR-IOV NICs

Stretched Cluster

Cluster Planning

Compute Cluster: cluster

Add Host

Add VM

More

Summary

Performance Monitor

Configure

Hosts

VMs

vSwitches

Storage

App HA

Permissions

Notifications

Tasks

HA

Monitor and Response

Access Control

HA

クラスターの設定を構成します

* Startup Priority

Low

Medium

High

Host Sub-Health Sensitivity Level

Low

Medium

High

Custom

Configuration Description

Category	Check Item	Impact	Status	Response Actions
HA Failure				
	> Host Failure	--	On	Migrate
	> VM Failure	--	On	Migrate
	> Service Network Failure	--	Off	Online Migration
	> Host Storage Failure	--	On	No Action
Proactive HA				
	> Host CPU Overtemperature	The system might run slowly or a CPU failure might occur.	On	Host Quarantin
	> System Disk Failure	Service anomalies and system errors might occur.	On	Host Quarantin
	> Memory Correctable Error ...	Normal operation of the host system might be affected.	On	Host Quarantin
	> Ratio of Isolated Pages Du...	Normal operation of the host system might be affected.	On	Host Quarantin

Apply

Compute / Resource Navigation

All VM Group

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Datacenter

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KaaS

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Compute Cluster: cluster

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Summary Performance Monitor Configure Hosts VMs vSwitches Storage App HA Permissions Notifications Tasks

List View Select All Bulk Actions Export Sort Order

host266

172.30.26.6

Worker Node Compute Host

40Cores

CPU Usage

2.61%

250.23GB

Memory Usage

8.39%

676.61GB

Disk Usage

19.00%

host279

172.30.27.9

Primary Node Compute Host

48Cores

CPU Usage

5.56%

219.47GB

Memory Usage

19.54%

504.36GB

Disk Usage

24.00%

クラスター内のホストの情報を表示します

Total: 2 < 1 > 30/page Go to 1

Compute / Resource Navigation

All VM Group

Resources

Datacenter

cluster

host266

cdpNode1

KaaS

new

newVM

tempVM

test

testVM_001

VM3

VM-inside

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VM2

Compute Cluster: cluster

Add Host Add VM More

Summary Performance Monitor Configure Hosts VMs vSwitches Storage App HA Permissions Notifications Tasks

List View Select All Bulk Actions Export Sort Order

クラスター内のVMの情報を表示します

Alias Enter Alias

cdpNode1

172.30.29.220

16Cores State Shutdown

26.00GB Created At 2026-05-21

860.00GB Last Shutdown Time 2026-05-22

k8s-ctrl-374fd017

172.30.108.40

4Cores CPU Usage 20.75%

6.00GB Memory Usage 56.39%

100.00GB Disk Usage 0.08%

k8s-ctrl-6533e26e

172.30.108.42

4Cores CPU Usage 35.50%

6.00GB Memory Usage 46.59%

100.00GB Disk Usage 0.07%

k8s-ctrl-8d244873

172.30.108.41

4Cores CPU Usage 28.50%

6.00GB Memory Usage 43.50%

100.00GB Disk Usage 0.07%

k8s-work-d1b3761d

172.30.108.44

4Cores CPU Usage 1.00%

4.00GB Memory Usage 39.96%

100.00GB Disk Usage 0.08%

KaaS

172.30.108.30

16Cores State Shutdown

32.00GB Created At 2026-05-21

500.00GB Last Shutdown Time 2026-05-22

new

2Cores State Shutdown

4.00GB Created At 2026-05-21

80.00GB Last Shutdown Time 2026-05-21

newVM

2Cores State Shutdown

4.00GB Created At 2026-05-21

90.00GB Last Shutdown Time 2026-05-22

tempVM

4Cores CPU Usage 5.75%

6.00GB Memory Usage 3.60%

10.00GB Disk Usage 0.21%

test

2Cores State Shutdown

4.00GB Created At 2026-05-21

80.00GB Last Shutdown Time 2026-05-22

testVM_001

172.20.226.14

2Cores State Shutdown

4.00GB Created At 2026-05-22

80.00GB Last Shutdown Time 2026-05-22

VM2

100.0.27.20

2Cores CPU Usage 0%

4.00GB Memory Usage 30.40%

80.00GB Disk Usage 0.08%

VM3

100.0.26.9

VM-inside

VM-inside_A

VM-Product_001

Total: 20

1

30/page

Go to

1

Compute / Resource Navigation

All VM Group

Resources

Datacenter

cluster

host266

cdpNode1

KaaS

new

newVM

tempVM

test

testVM_001

VM3

VM-inside

VM-inside_A

VM-Product_001

VM-Product_002

VM-Rocky-A

VM-ubuntu_A

VM-ubuntu_B

host279

k8s-ctrl-374fd017

k8s-ctrl-6533e26e

k8s-ctrl-8d244873

k8s-work-d1b3761d

VM2

Compute Cluster: cluster

Add Host

Add VM

More

Summary

Performance Monitor

Configure

Hosts

VMs

vSwitches

Storage

App HA

Permissions

Notifications

Tasks

Add

Convert from Standard Switch

Name	Type	Network Type	Description	Forwarding Mode	VLAN ID	Acceleration Mode	Multicast	MTU	Actions
vstor	Distributed	Service Storage		VEB		Common		1500	Edit Delete
test	Distributed	Service		VEB		Common		1500	Edit Delete

Host

VMs

Port Groups

Attached Hosts

Assign to Host

Host Name	Host IP	Host State	Actions
-----------	---------	------------	---------

No Data

Compute / Resource Navigation

All VM Group

Resources

Datacenter

cluster

host266

cdpNode1

KaaS

new

newVM

tempVM

test

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VM-inside

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k8s-ctrl-8d244873

k8s-work-d1b3761d

VM2

Compute Cluster: cluster

Add Host Add VM More

Summary Performance Monitor Configure Hosts VMs vSwitches Storage App HA Permissions Notifications Tasks

Add Read Acceleration

cluster alias

Alias	Name	Type	Target Path	Total	Allocated	Available	Actions
stor_share01	stor_share01	ISCSI Shared File System	/vms/stor_share01	1.00TB	1.74TB	911.13GB	Start Refresh Suspend Delete
stor_share02	stor_share02	ISCSI Shared File System	/vms/stor_share02	800.00GB	280.00GB	791.53GB	Start Refresh Suspend Delete

Hosts Using the Shared Storage Disks (Storage Volumes) Monitoring Alarm

Add Bulk Actions 2 entries

☐	Name	IQN	Host IP	Host State	Storage Pool State
☐	host266	iqn.2012-01.com.openeuler:17230266	172.30.26.6	Normal	Active
☐	host279	iqn.2012-01.com.openeuler:17230279	172.30.27.9	Normal	Active

クラスターのストレージを管理します

Compute / Resource Navigation

All VM Group

Resources

Datacenter

cluster

host266

cdpNode1

KaaS

new

newVM

tempVM

test

testVM_001

VM3

VM-inside

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VM2

Compute Cluster: cluster

Add Host

Add VM

More

Summary

Performance Monitor

Configure

Hosts

VMs

vSwitches

Storage

App HA

Permissions

Notifications

Tasks

Add App Monitoring Task

Settings

Bulk Actions

アプリケーションの高可用性を管理します

Task Name	Service Name	Host	Located VM	Monitoring Policy	Service State	Task State	Actions
No Data							

Total: 0

< 1 >

30/page

Go to 1

Compute / Resource Navigation

All VM Group

Resources

Datacenter

cluster

host266

cdpNode1

KaaS

new

newVM

tempVM

test

testVM_001

VM3

VM-inside

VM-inside_A

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VM-ubuntu_B

host279

k8s-ctrl-374fd017

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k8s-ctrl-8d244873

k8s-work-d1b3761d

VM2

Compute Cluster: cluster

Add Host

Add VM

More

Summary

Performance Monitor

Configure

Hosts

VMs

vSwitches

Storage

App HA

Permissions

Notifications

Tasks

Add Permissions

Remove

Enter Operator/Operator Group

	Operator/Operator Group	Category	Scope	Actions
☐	admin	Operator	Global	Edit Remove
☐	Security Auditor Group	Operator Group	Global	Edit Remove
☐	System Administrator Group	Operator Group	This Object	Edit Remove

Total: 3

< 1 >

30/page ~

Go to 1

クラスターの権限を管理します

Compute / Resource Navigation

All

VM Group

Resources

+

Datacenter

cluster

host266

cdpNode1

KaaS

new

newVM

tempVM

test

testVM_001

VM3

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k8s-work-d1b3761d

VM2

Compute Cluster: cluster

Add Host

Add VM

More

Summary

Performance Monitor

Configure

Hosts

VMs

vSwitches

Storage

App HA

Permissions

Notifications

Tasks

State: Unacknowledged

Severity: All

Type: All Types

Contents:

Start Time:

End Time:

Filter

Reset

Alerts

Severities

States

Types

Contents

Refresh Interval: 10 Sec

1

30/page

Go to 1

Clusterのアラームを管理します

	Severity	State	Source	Type	Contents	Last Triggered At	First Triggered At	Alarm Count	Action
☐	Critical	Unacknowledged	Host"host279"(172.30.27.9)	Failure Alarms	Host NIC "9ce8:95:de:ed:f7,eth1" failure alarm.	2026-05-21 11:03:02	2026-05-21 11:03:02	1	Ignore
☐	Major	Unacknowledged	VM"VM-Rocky-A"(172.30.10.113)	VM Alarms	The VM memory usage has reached 80%. The current memory usage is ...	2026-05-23 18:22:04	2026-05-23 09:15:04	107	Ignore
☐	Major	Unacknowledged	Host"host279"(172.30.27.9)	Host Alarms	The inbound packet loss rate of NIC "9ce8:95:de:ed:f9" has reached 10...	2026-05-23 18:21:58	2026-05-23 17:39:28	41	Ignore
☐	Major	Unacknowledged	VM"VM-inside_A"(0.0.0.0)	Other Alarms	Snapshot "init-snapshot" for VM "VM-inside_A" has been retained for ...	2026-05-23 18:17:41	2026-05-23 15:52:42	29	Ignore
☐	Major	Unacknowledged	VM"VM-Product_001"(0.0.0.0)	Other Alarms	Snapshot "job-start" for VM "VM-Product_001" has been retained for ...	2026-05-23 18:17:41	2026-05-23 15:53:41	29	Ignore
☐	Major	Unacknowledged	Host"host266"(172.30.26.6)	Host Alarms	The inbound packet loss rate of NIC "9ce8:95:de:e8:93" has reached 10...	2026-05-23 09:31:05	2026-05-23 09:14:35	14	Ignore
☐	Minor	Unacknowledged	Host"host266"(172.30.26.6)	Host Alarms	The inbound packet loss rate of NIC "a4:fa:76:08:db:60" has reached 5%...	2026-05-23 18:22:05	2026-05-23 09:38:05	121	Ignore
☐	Minor	Unacknowledged	VM"VM-Rocky-A"(172.30.10.113)	Failure Alarms	The tools component is not installed or running on VM "VM-Rocky-A".	2026-05-23 18:22:04	2026-05-22 16:55:01	1233	Ignore
☐	Minor	Unacknowledged	VM"VM-Rocky-A"(172.30.10.113)	VM Alarms	The VM memory usage has reached 70%. The current memory usage is ...	2026-05-22 15:46:18	2026-05-22 15:46:18	1	Ignore
☐	Minor	Unacknowledged	VM"VM-ubuntu_A"(172.30.9.118)	Failure Alarms	The tools component is not installed or running on VM "VM-ubuntu_A".	2026-05-21 14:16:47	2026-05-21 10:45:16	148	Ignore
☐	Info	Unacknowledged	Host"host279"(172.30.27.9)	Host Alarms	The inbound packet loss rate of NIC "9ce8:95:de:ed:f9" has reached 2%...	2026-05-21 16:03:56	2026-05-21 15:53:56	11	Ignore
☐	Info	Unacknowledged	Host"host266"(172.30.26.6)	Host Alarms	The inbound packet loss rate of NIC "9ce8:95:de:e8:93" has reached 2%...	2026-05-21 16:03:17	2026-05-21 15:53:46	8	Ignore
☐	Info	Unacknowledged	Host"host266"(172.30.26.6)	Host Alarms	The inbound packet loss rate of NIC "a4:fa:76:08:db:60" has reached 2%...	2026-05-21 16:03:17	2026-05-21 15:53:46	8	Ignore

Compute / Resource Navigation

All VM Group

Resources

Datacenter

cluster

host266

cdpNode1

KaaS

new

newVM

tempVM

test

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VM3

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VM2

Compute Cluster: cluster

Add Host

Add VM

More

Summary

Performance Monitor

Configure

Hosts

VMs

vSwitches

Storage

App HA

Permissions

Notifications

Tasks

Login Name

Operator Name

Start Time

Login Address

Description

Result

Action

Risk Level

Filter

Reset

Collapse

Clear

Login Name	Operator Name	Start Time	Completed At	Login Address	Action Type	Target	Result	Risk Level	Reason	Action
admin	Super Administr...	2026-05-21 16:2...	2026-05-21 16:2...	172.20.0.144	Cluster Action	cluster	Succeeded	Medium		Edit
admin	Super Administr...	2026-05-19 14:2...	2026-05-19 14:2...	172.30.109.1	Cluster Action	cluster	Succeeded	Medium		Add

Total: 2

< 1 >

30/page

Go to 1

クラスターの操作ログを表示します



ホスト管理ページ

ホスト管理ページには、ホストの概要、ハードウェアおよびパフォーマンス監視、VM情報、ストレージと仮想スイッチ(vSwitch)の管理、ハードウェアおよび詳細設定、権限管理、アラーム、タスクログなどのモジュールが含まれます。

Compute / Resource Navigation

All

VM Group

Resources

+

Datacenter

cluster

host266

cdpNode1

KaaS

new

newVM

tempVM

test

testVM_001

VM3

VM-inside

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host279

k8s-ctrl-374fd017

k8s-ctrl-6533e26e

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k8s-work-d1b3761d

VM2

Compute Host:host266

Normal

Data Center:Datacenter / Cluster:cluster / 172.30.26.6

Add VM

Enter Maintenance Mode

Enter Quarantine Mode

More

Summary

Hardware Monitor

Performance Monitor

VMs

Storage

vSwitches

Hardware

Advanced

Permissions

Notifications

Tasks

Basic Info

ホスト管理機能

CPU

CPU

2 * 10 * 2 Cores

Memory

Total Memory

250.22GB

Free Memory

230.20GB

Storage

Local Storage

676.61GB

Available Storage

548.05GB

IP:

172.30.26.6

CPU Model:

Intel(R) Xeon(R) Silver 4114 CPU ...

iLO:

122.101.26.6

Uptime:

1 days 1 hours 46 minutes 23 seconds

CPU Frequency:

3GHz

Classification L...

Internal Use Only

Version:

CVK 9.0 (E0920P03)

Tags:

None

Host Model:

New H3C Technologies Co., Ltd. U...

Host Type:

Compute Host

Host Time:

2026-05-23 18:23:29

Host Role:

Worker Node

Resource Performance

Alarm Statistics

More(10)

10 Total

Critical

0

Major

4

Minor

4

Info

2

VM "VM-inside_A"(0.0.0.0) Snapshot "init-snapshot" for VM "VM-inside_A" has been retained f...

2026-05-23 15:52:42 - 2026-05-23 18:22:41 Repeat 30 Times

Acknowledge

VM "VM-Rocky-A"(172.30.10.113) The VM memory usage has reached 80%. The current mem...

2026-05-23 09:15:04 - 2026-05-23 18:22:04 Repeat 107 Times

Acknowledge

Host "host266"(172.30.26.6) The inbound packet loss rate of NIC "9c:e8:95:de:e8:93" has reach...

2026-05-23 09:14:35 - 2026-05-23 09:31:05 Repeat 14 Times

Acknowledge

VM "VM-Product_001"(0.0.0.0) Snapshot "job-start" for VM "VM-Product_001" has been retai...

2026-05-23 15:53:41 - 2026-05-23 18:22:41 Repeat 30 Times

Acknowledge

VM "VM-Rocky-A"(172.30.10.113) The tools component is not installed or running on VM "VM...

2026-05-22 16:55:01 - 2026-05-23 18:23:34 Repeat 1234 Times

Acknowledge

VM Statistics

15 Total

Normal

3

Shutdown

12

Resource Usage

CPU Usage

2.64%

Memory Usage

8.39%

Storage Usage

19.00%

CPU Allocation ...

215.00%

Memory Alloca...

65.54%

CPU Allocation ...

25.00%

Memory Alloca...

7.19%

Memory Status

Total Memory

8.39%(20.01GB/250.22GB)

HugePages (Dynamic)

0%(0.00MB/250.22GB)

VM Group

0%(0.00MB/0.00GB)

OVS Group

0%(0.00MB/0.00GB)

Network Throughput (Mbps)

3.5

3

2.5

2

1.5

1

0.5

0

18:19:00

18:20:00

18:21:00

18:22:00

18:23:00

Top 5 VMs by CPU Usage

VM3

6.33%

tempVM

1.61%

Top 5 VMs by Memory Usage

VM-Rocky-A

100.00%

VM3

30.24%

Top 5 VMs by Throughput

VM-Rocky-A

0.04MBps

VM3

0.03MBps

Top 5 VMs by Disk Requests

VM3

11IOPS

VM-Rocky-A

0IOPS

- Processors
- Memory
- Temperature
- Power
- Fans

Device Status	Processors	Memory	Temperature	Power	Fans
					
● Normal	● Normal	● Normal	● Normal	● Normal	● Normal

System		Vendor	New H3C Technologies Co., Ltd.
		Product Name	UniServer R4900 G3
		Serial Number	210235A3QUH188000153
		UUID	95dee890-9ce8-03d7-e611-b7cf9a1c8946
		State	● Normal

BIOS		Vendor	American Megatrends Inc.
		Version	2.00.37P06
		Release Date	03/12/2020
		Read-Only Storage Size	32 MB

Compute / Resource Navigation

All VM Group

Resources

Datacenter

cluster

host266

cdpNode1

KaaS

new

newVM

tempVM

test

testVM_001

VM3

VM-inside

VM-inside_A

VM-Product_001

VM-Product_002

VM-Rocky-A

VM-ubuntu_A

VM-ubuntu_B

host279

k8s-ctrl-374fd017

k8s-ctrl-6533e26e

k8s-ctrl-8d244873

k8s-work-d1b3761d

VM2

Compute Host:host266

Normal

Data Center:Datacenter / Cluster:cluster / 172.30.26.6

Add VM

Enter Maintenance Mode

Enter Quarantine Mode

More

Summary

Hardware Monitor

Performance Monitor

VMs

Storage

vSwitches

Hardware

Advanced

Permissions

Notifications

Tasks

Summary

Processors

Memory

Temperature

Power

Fans

ホストのハードウェアモニタリング情報を表示します(プロセッサ)

	Processor 1	Processor 2
Model	Intel(R) Xeon(R) Silver 4114 CPU @ 2.20GHz	Intel(R) Xeon(R) Silver 4114 CPU @ 2.20GHz
State	Normal	Normal
Architecture	x86_64	x86_64
Memory Technology	32-bit, 64-bit	32-bit, 64-bit
Voltage	1.6 V	1.6 V
Maximum Processing Freq...	4000 MHz	4000 MHz
Current Frequency	2200 MHz	2200 MHz
Physical Cores	10	10
Threads	20	20
Level 1 Data Cache	640 kB	640 kB
Level 1 Instruction Cache	640 kB	640 kB
Level 2 Cache	10 MB	10 MB
Level 3 Cache	14080 kB	14080 kB

Memory

ホストのハードウェアモニタリング情報を表示します(メモリー)

Memory Summary

☐ Hide Null Slots

Location	Slots	Total Memory	Operating Frequency
Processor 1	12	128 GB	2400 MT/s
Processor 2	12	128 GB	2400 MT/s

Total: 2

< 1 > 30/page v Go to 1

Memory Details

Hide Null Slots

Location	Slot	State	Size	Model	Maximum Frequency	Part Number	Vendor
Processor 1	A1	● Good, In Use	16 GB	DDR4	2666 MT/s	M393A2K40BB2-CTD	Samsung
Processor 1	A7	● Not Installed	N/A	N/A	N/A	N/A	N/A
Processor 1	A2	● Good, In Use	16 GB	DDR4	2666 MT/s	M393A2K40BB2-CTD	Samsung
Processor 1	A8	● Not Installed	N/A	N/A	N/A	N/A	N/A
Processor 1	A3	● Good, In Use	32 GB	DDR4	2666 MT/s	HMA84GR7CJR4N-VK	Hynix
Processor 1	A9	● Not Installed	N/A	N/A	N/A	N/A	N/A
Processor 1	A4	● Good, In Use	16 GB	DDR4	2666 MT/s	M393A2K40BB2-CTD	Samsung
Processor 1	A10	● Not Installed	N/A	N/A	N/A	N/A	N/A
Processor 1	A5	● Good, In Use	16 GB	DDR4	2666 MT/s	M393A2K40BB2-CTD	Samsung
Processor 1	A11	● Not Installed	N/A	N/A	N/A	N/A	N/A

Total: 24

< 1 > 30/page ~ Go to 1

Compute / Resource Navigation

All VM Group

Resources

Datacenter

cluster

host266

cdpNode1

KaaS

new

newVM

tempVM

test

testVM_001

VM3

VM-inside

VM-inside_A

VM-Product_001

VM-Product_002

VM-Rocky-A

VM-ubuntu_A

VM-ubuntu_B

host279

k8s-ctrl-374fd017

k8s-ctrl-6533e26e

k8s-ctrl-8d244873

k8s-work-d1b3761d

VM2

Compute Host:host266

Normal

Data Center:Datacenter / Cluster:cluster / 172.30.26.6

Add VM

Enter Maintenance Mode

Enter Quarantine Mode

More

Summary

Hardware Monitor

Performance Monitor

VMs

Storage

vSwitches

Hardware

Advanced

Permissions

Notifications

Tasks

Summary

Processors

Memory

Temperature

Power

Fans

ホストのハードウェアモニタリング情報を表示します(温度)

Temperature Chart

Temperature Chart

60°C

55°C

50°C

45°C

40°C

35°C

30°C

System

CPU

Memory

Hard Disk

Sensor Data

Hide Missing Sensors

Sensor	Location	State	Reading	Threshold
01-Inlet Temp	System	Normal	34°C	Warning: 52°C °Critical: 54°C
02-CPU 1	CPU	Normal	43°C	Warning: N/A °Critical: N/A
03-CPU 2	CPU	Normal	42°C	Warning: N/A °Critical: N/A
04-CPU 1 DTS	CPU	Normal	N/A	N/A
05-CPU 2 DTS	CPU	Normal	N/A	N/A
06-P1 DIMM Ch1-3	Memory	Normal	40°C	Warning: 95°C °Critical: N/A
07-P1 DIMM Ch4-6	Memory	Normal	40°C	Warning: 95°C °Critical: N/A
08-P2 DIMM Ch1-3	Memory	Normal	39°C	Warning: 95°C °Critical: N/A
09-P2 DIMM Ch4-6	Memory	Normal	38°C	Warning: 95°C °Critical: N/A
10-Front HD Max	Hard Disk	Normal	42°C	Warning: N/A °Critical: N/A
11-NVMe SSD Max	System	Not Installed	N/A	N/A
12-Rear HD Max	Hard Disk	Not Installed	N/A	N/A
13-Rear HD Zone	Hard Disk	Not Installed	N/A	N/A
14-M.2 Zone	System	Not Installed	N/A	N/A

Total: 43

1

2

>

30/page

Go to

1

Compute / Resource Navigation

All VM Group

Resources

Datacenter

cluster

host266

cdpNode1

KaaS

new

newVM

tempVM

test

testVM_001

VM3

VM-inside

VM-inside_A

VM-Product_001

VM-Product_002

VM-Rocky-A

VM-ubuntu_A

VM-ubuntu_B

host279

k8s-ctrl-374fd017

k8s-ctrl-6533e26e

k8s-ctrl-8d244873

k8s-work-d1b3761d

VM2

Compute Host:host266

Normal

Data Center:Datacenter / Cluster:cluster / 172.30.26.6

Add VM

Enter Maintenance Mode

Enter Quarantine Mode

More

Summary

Hardware Monitor

Performance Monitor

VMs

Storage

vSwitches

Hardware

Advanced

Permissions

Notifications

Tasks

Summary

Processors

Memory

Temperature

Power

Fans

ホストのハードウェアモニタリング情報を表示します(電源)

Power	Reading	State
PSU1_PIN	N/A	Warning
PSU2_PIN	215Watts	Normal
Total_Power	215Watts	Normal
FAN_Power	16Watts	Normal
CPU2_Power	30Watts	Normal
CPU1_Power	31Watts	Normal
MEM_Total_Power	19Watts	Normal

Total: 7

< 1 >

30/page ~

Go to 1

Compute / Resource Navigation

All VM Group

Resources

Datacenter

cluster

host266

cdpNode1

KaaS

new

newVM

tempVM

test

testVM_001

VM3

VM-inside

VM-inside_A

VM-Product_001

VM-Product_002

VM-Rocky-A

VM-ubuntu_A

VM-ubuntu_B

host279

k8s-ctrl-374fd017

k8s-ctrl-6533e26e

k8s-ctrl-8d244873

k8s-work-d1b3761d

VM2

Compute Host:host266

Normal

Data Center:Datacenter / Cluster:cluster / 172.30.26.6

Add VM

Enter Maintenance Mode

Enter Quarantine Mode

More

Summary

Hardware Monitor

Performance Monitor

VMs

Storage

vSwitches

Hardware

Advanced

Permissions

Notifications

Tasks

Summary

Processors

Memory

Temperature

Power

Fans

Fans

ホストのハードウェアモニタリング情報を表示します(ファン)

Fan	Location	State	Rate
Fan 1	System	Normal	7300RPM
Fan 2	System	Normal	7300RPM
Fan 3	System	Normal	7300RPM
Fan 4	System	Normal	7300RPM
Fan 5	System	Normal	7300RPM
Fan 6	System	Normal	7400RPM

Total: 6

< 1 >

30/page ~

Go to 1

Compute / Resource Navigation

All VM Group

Resources

Datacenter

cluster

host266

- cdpNode1
- KaaS
- new
- newVM
- tempVM
- test
- testVM_001
- VM3
- VM-inside
- VM-inside_A
- VM-Product_001
- VM-Product_002
- VM-Rocky-A
- VM-ubuntu_A
- VM-ubuntu_B

host279

- k8s-ctrl-374fd017
- k8s-ctrl-6533e26e
- k8s-ctrl-8d244873
- k8s-work-d1b3761d
- VM2

Compute Host:host266

Normal Data Center:Datacenter / Cluster:cluster / 172.30.26.6

Add VM Enter Maintenance Mode Enter Quarantine Mode More

Summary Hardware Monitor Performance Monitor VMs Storage vSwitches Hardware Advanced Permissions Notifications Tasks

Real-Time

ホストのパフォーマンスモニタリング情報を表示します

CPU Usage

Memory Usage

CPU Ready Time (Ratio)

Swap/Cache/Buffer Usage

Shared Memory(GB)

Bloated Memory(GB)

Export Raw Data

Compute / Resource Navigation

All VM Group

Resources

Datacenter

cluster

host266

cdpNode1

KaaS

new

newVM

tempVM

test

testVM_001

VM3

VM-inside

VM-inside_A

VM-Product_001

VM-Product_002

VM-Rocky-A

VM-ubuntu_A

VM-ubuntu_B

host279

k8s-ctrl-374fd017

k8s-ctrl-6533e26e

k8s-ctrl-8d244873

k8s-work-d1b3761d

VM2

Compute Host:host266 Normal Data Center:Datacenter / Cluster:cluster / 172.30.26.6 Add VM Enter Maintenance Mode Enter Quarantine Mode More

Summary Hardware Monitor Performance Monitor VMs Storage vSwitches Hardware Advanced Permissions Notifications Tasks

ホストのパフォーマンスモニタリング情報を表示します

I/O Throughput (KBps) sda sda-Read sda-Write

Network Throughput (Mbps) eth0(00:11:0a:67:a0:fd) 00:11:0a:67:a0:fd-Receive 00:11:0a:67:a0:fd-Send

Total Number of Packets eth0(00:11:0a:67:a0:fd) 00:11:0a:67:a0:fd-Receive 00:11:0a:67:a0:fd-Send

Number of Dropped Packets eth0(00:11:0a:67:a0:fd) 00:11:0a:67:a0:fd-Receive 00:11:0a:67:a0:fd-Send

Compute / Resource Navigation

All VM Group

Resources

Datacenter

cluster

host266

cdpNode1

KaaS

new

newVM

tempVM

test

testVM_001

VM3

VM-inside

VM-inside_A

VM-Product_001

VM-Product_002

VM-Rocky-A

VM-ubuntu_A

VM-ubuntu_B

host279

k8s-ctrl-374fd017

k8s-ctrl-6533e26e

k8s-ctrl-8d244873

k8s-work-d1b3761d

VM2

Compute Host:host266

Normal

Data Center:Datacenter / Cluster:cluster / 172.30.26.6

Add VM

Enter Maintenance Mode

Enter Quarantine Mode

More

Summary

Hardware Monitor

Performance Monitor

VMs

Storage

vSwitches

Hardware

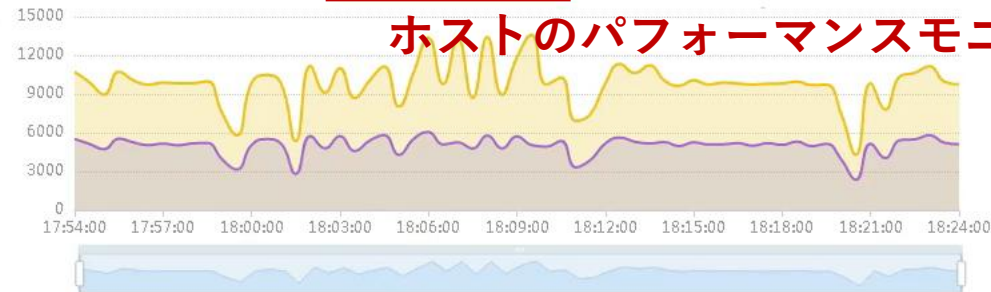
Advanced

Permissions

Notifications

Tasks

ホストのパフォーマンスモニタリング情報を表示します



vSwitch Link Latency (us)

vswitch0

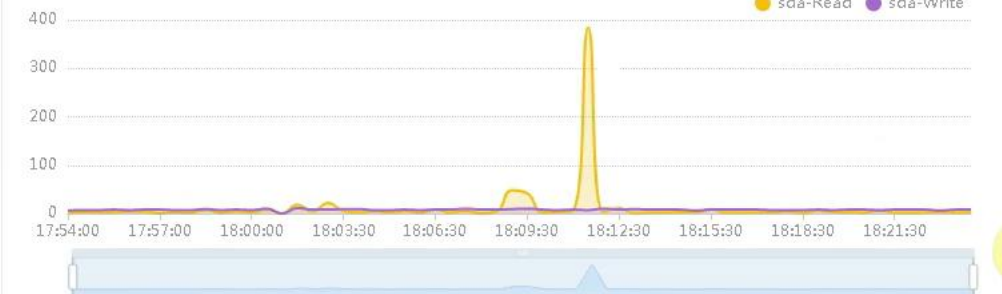
eth2-9c8e8:95de:8:92



Disk Requests (IOPS)

sda

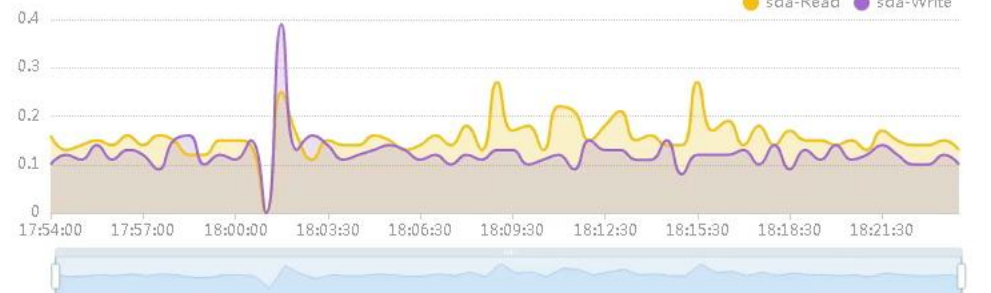
sda-Read sda-Write



Disk I/O Delay (ms)

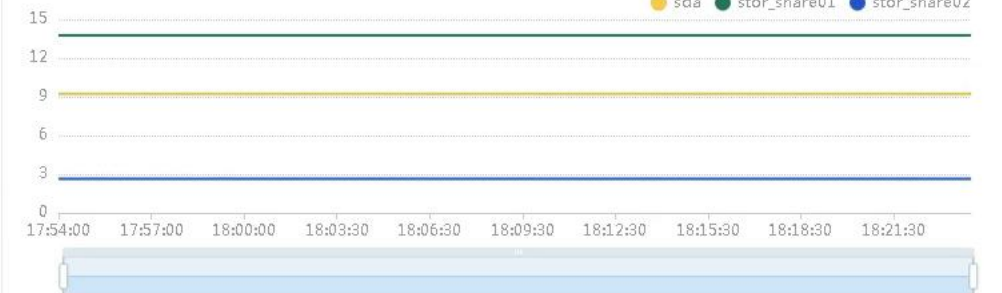
sda

sda-Read sda-Write



Disk Usage

sda stor_share01 stor_share02



Compute / Resource Navigation

All

VM Group

Resources

+

Datacenter

cluster

host266

cdpNode1

KaaS

new

newVM

tempVM

test

testVM_001

VM3

VM-inside

VM-inside_A

VM-Product_001

VM-Product_002

VM-Rocky-A

VM-ubuntu_A

VM-ubuntu_B

host279

k8s-ctrl-374fd017

k8s-ctrl-6533e26e

k8s-ctrl-8d244873

k8s-work-d1b3761d

VM2

Compute Host:host266

Normal

Data Center:Datacenter / Cluster:cluster / 172.30.26.6

Add VM

Enter Maintenance Mode

Enter Quarantine Mode

More

Summary

Hardware Monitor

Performance Monitor

VMs

Storage

vSwitches

Hardware

Advanced

Permissions

Notifications

Tasks

ホストのパフォーマンスモニタリング情報を表示します

U

0.4

0.3

0.2

0.1

0

17:54:00

17:57:00

18:00:00

18:03:30

18:06:30

18:09:30

18:12:30

18:15:30

18:18:30

18:21:30

Partition Usage

Partition	Type	Mount Point	Size(GB)	Used(GB)	Usage(%)
/dev/dm-0	ocfs2	/vms/stor_share...	1024	140.93	14
/dev/dm-1	ocfs2	/vms/stor_share...	800	21.04	3
/dev/sda1	vfat	/boot/efi	0.5	0.01	2
/dev/sda3	ext4	/var/log	291.28	0.74	1
/dev/sda5	ext4	/vms	676.61	120.26	19
/dev/sda2	ext4	/	487.15	13.55	3

Partition Usage

Usage

/dev/dm-0

/dev/dm-1

/dev/sda1

/dev/sda2

/dev/sda3

/dev/sda5

21

18

15

12

9

6

3

0

17:54:00

17:57:00

18:00:00

18:03:30

18:06:30

18:09:30

18:12:30

18:15:30

18:18:30

18:21:30

Storage Communication Latency (us)

100.0.23.11

100.0.24.12

3,000

2,500

2,000

1,500

1,000

500

0

17:54:00

17:57:00

18:00:00

18:03:30

18:06:30

18:09:30

18:12:30

18:15:30

18:18:30

18:21:30

18:24:00

Compute / Resource Navigation

All VM Group

Resources

Datacenter

cluster

host266

cdpNode1

KaaS

new

newVM

tempVM

test

testVM_001

VM3

VM-inside

VM-inside_A

VM-Product_001

VM-Product_002

VM-Rocky-A

VM-ubuntu_A

VM-ubuntu_B

host279

k8s-ctrl-374fd017

k8s-ctrl-6533e26e

k8s-ctrl-8d244873

k8s-work-d1b3761d

VM2

Compute Host:host266

Normal

Data Center:Datacenter / Cluster:cluster / 172.30.26.6

Add VM

Enter Maintenance Mode

Enter Quarantine Mode

More

Summary

Hardware Monitor

Performance Monitor

VMs

Storage

vSwitches

Hardware

Advanced

Permissions

Notifications

Tasks

List View

Select All

Bulk Actions

Export

Sort Order

Alias

Enter Alias

ホストのVMの情報を表示します

cdpNode1

172.30.29.220

16Cores

State Shutdown

26.00GB

Created At 2026-05-21

860.00GB

Last Shutdown Time 2026-05-22

tempVM

4Cores

CPU Usage 1.00%

6.00GB

Memory Usage 3.60%

10.00GB

Disk Usage 0.21%

VM-inside

2Cores

State Shutdown

4.00GB

Created At 2026-05-20

10.00GB

Last Shutdown Time 2026-05-20

VM-Rocky-A

172.30.10.113

KaaS

172.30.108.31

16Cores

State Shutdown

32.00GB

Created At 2026-05-21

500.00GB

Last Shutdown Time 2026-05-22

test

2Cores

State Shutdown

4.00GB

Created At 2026-05-21

80.00GB

Last Shutdown Time 2026-05-22

VM-inside_A

2Cores

State Shutdown

4.00GB

Created At 2026-05-20

10.00GB

Last Shutdown Time 2026-05-22

VM-ubuntu_A

172.30.9.118

new

2Cores

State Shutdown

4.00GB

Created At 2026-05-21

80.00GB

Last Shutdown Time 2026-05-21

testVM_001

172.20.226.14

2Cores

State Shutdown

4.00GB

Created At 2026-05-22

80.00GB

Last Shutdown Time 2026-05-22

VM-Product_001

12Cores

State Shutdown

16.00GB

Created At 2026-05-20

10.00GB

Last Shutdown Time 2026-05-22

VM-ubuntu_B

172.30.10.83

newVM

2Cores

State Shutdown

4.00GB

Created At 2026-05-21

90.00GB

Last Shutdown Time 2026-05-22

VM3

100.0.26.9

2Cores

CPU Usage 0%

4.00GB

Memory Usage 30.61%

80.00GB

Disk Usage 0.08%

VM-Product_002

12Cores

State Shutdown

16.00GB

Created At 2026-05-20

10.00GB

Last Shutdown Time 2026-05-22

Total: 15

1

30/page

Go to

1

Compute / Resource Navigation

All VM Group

Resources

Datacenter

cluster

host266

cdpNode1

KaaS

new

newVM

tempVM

test

testVM_001

VM3

VM-inside

VM-inside_A

VM-Product_001

VM-Product_002

VM-Rocky-A

VM-ubuntu_A

VM-ubuntu_B

host279

k8s-ctrl-374fd017

k8s-ctrl-6533e26e

k8s-ctrl-8d244873

k8s-work-d1b3761d

VM2

Compute Host:host266

Normal

Data Center:Datacenter / Cluster:cluster / 172.30.26.6

Add VM

Enter Maintenance Mode

Enter Quarantine Mode

More

Summary

Hardware Monitor

Performance Monitor

VMs

Storage

vSwitches

Hardware

Advanced

Permissions

Notifications

Tasks

Add

Synchronize

Read Acceleration

ホストのストレージリソースを管理します

Enter alias

Name	Alias	Type	Path	Total	Allocated	Available	State	Actions
defaultpool	defaultpool	Local File Directory	/vms/images	676.61GB	670.00GB	521.91GB	Active	Start Suspend Refresh More
isopool	isopool	Local File Directory	/vms/isos	676.61GB	4.05GB	521.91GB	Active	Start Suspend Refresh More
newpool	newpool	Local File Directory	/vms/newpool	676.61GB	0.00B	521.91GB	Active	Start Suspend Refresh More
stor_share01	stor_share01	ISCSI Shared File Syst...	/vms/stor_share01	1.00TB	1.74TB	911.13GB	Active	Start Suspend Refresh More
stor_share02	stor_share02	ISCSI Shared File Syst...	/vms/stor_share02	800.00GB	280.00GB	791.53GB	Active	Start Suspend Refresh More

Storage Volumes

Monitor

Alarm

Storage Volumes

Create Level-2 Directory

Add Storage Volume

Upload Files

Bulk Migrate

Delete

File Name

Enter the file name

	File Name	Size	Used	Type	Base Image	User (VM)	Actions
☐	test_inc_1_1779367749547049_0	80.00GB	388.00KB	qcow2		new	Download Delete
☐	tempVM	10.00GB	2.59GB	qcow2		tempVM	Download Delete
☐	test	80.00GB	1.26MB	qcow2		test	Download Delete
☐	KaaS	500.00GB	105.33GB	qcow2		KaaS	Download Delete

Total: 4

1

30/page

Go to

1

Compute / Resource Navigation

All VM Group

Resources

▼ Datacenter

▼ cluster

▼ host266

cdpNode1

KaaS

new

newVM

tempVM

test

testVM_001

VM3

VM-inside

VM-inside_A

VM-Product_001

VM-Product_002

VM-Rocky-A

VM-ubuntu_A

VM-ubuntu_B

▼ host279

⚙️ k8s-ctrl-374fd017

⚙️ k8s-ctrl-6533e26e

⚙️ k8s-ctrl-8d244873

⚙️ k8s-work-d1b3761d

VM2

Compute Host:host266

Normal

Data Center:Datacenter / Cluster:cluster / 172.30.26.6

Add VM

Enter Maintenance Mode

Enter Quarantine Mode

More

Summary

Hardware Monitor

Performance Monitor

VMs

Storage

vSwitches

Hardware

Advanced

Permissions

Notifications

Tasks

Physical NICs

Bulk Edit

Customize Columns

☐	Physical I...	Model	MAC Address	Rate (M...	State	MTU	Driver	NU...	Device A...	Actions
☐	eth5	Intel Corporation Ethernet Connection X722 for...	9c:e8:95:de:e8:95	--	Inactive	1500	Kernel	0	0000:3d:00:3	Start Edit More
☐	eth3	Intel Corporation Ethernet Connection X722 for...	9c:e8:95:de:e8:93	1000	Active	1500	Kernel	0	0000:3d:00:1	Suspend Edit More
☐	eth7	Intel Corporation 82599ES 10-Gigabit SFI/SFP+ ...	a4:fa:76:08:db:62	10000	Active	1500	Kernel	0	0000:5f:00:1	Suspend Edit More
☐	eth0	Intel Corporation 82599ES 10-Gigabit SFI/SFP+ ...	00:11:0a:67:a0:fd	10000	Active	1500	Kernel	0	0000:18:00:0	Suspend Edit More
☐	eth4	Intel Corporation Ethernet Connection X722 for...	9c:e8:95:de:e8:94	--	Inactive	1500	Kernel	0	0000:3d:00:2	Start Edit More
☐	eth2	Intel Corporation Ethernet Connection X722 for...	9c:e8:95:de:e8:92	1000	Active	1500	Kernel	0	0000:3d:00:0	Suspend Edit More
☐	eth6	Intel Corporation 82599ES 10-Gigabit SFI/SFP+ ...	a4:fa:76:08:db:60	10000	Active	1500	Kernel	0	0000:5f:00:0	Suspend Edit More
☐	eth1	Intel Corporation 82599ES 10-Gigabit SFI/SFP+ ...	00:11:0a:67:a0:fc	10000	Active	1500	Kernel	0	0000:18:00:1	Suspend Edit More

LLDP

SR-IOV

Enable LLDP

Peer Device

Failed to obtain the remote device information
Possible reasons include:
(1) The physical NIC is suspended
(2)The physical link fails

Save

Refresh

Main functions

With LLDP, a device sends local device information to the directly-connected devices to enable a network management system to detect and identify the link state.

Notes

LLDP does not support virtual connections.

ハードウェアを管理します

Compute / Resource Navigation

All VM Group

Resources

▼ Datacenter

▼ cluster

▼ host266

cdpNode1

KaaS

new

newVM

tempVM

test

testVM_001

VM3

VM-inside

VM-inside_A

VM-Product_001

VM-Product_002

VM-Rocky-A

VM-ubuntu_A

VM-ubuntu_B

▼ host279

⚙️ k8s-ctrl-374fd017

⚙️ k8s-ctrl-6533e26e

⚙️ k8s-ctrl-8d244873

⚙️ k8s-work-d1b3761d

VM2

Compute Host:host266

Normal

Data Center:Datacenter / Cluster:cluster / 172.30.26.6

Add VM

Enter Maintenance Mode

Enter Quarantine Mode

More

Summary

Hardware Monitor

Performance Monitor

VMs

Storage

vSwitches

Hardware

Advanced

Permissions

Notifications

Tasks

Physical NICs

GPUs

Encryption Modules

Storage Adapters

Local Disk

USB Device

Storage Adapters

Add

Scan All

ストレージアダプターを管理します

Name	Model	Type	State	IQN	Rate	Actions
Local-SCSI	Local SCSI	SCSI	Active			
Open-iSCSI	iSCSI Software Adapter	iSCSI	Active	iqn.2012-01.com.openeul...		Scan SetIQN
NVMe-oF	NVMe-oF Software Adapt...	NVMe-oF	Active	nqn.2014-08.org.nvmexpr...		Scan SetIQN

Storage Devices

NAA	Storage Pool	Operation State	LUN	Multipath	Size	Hardware Accele...	Associate Block ...	Actions
23205443800d00000		Mount		Off	1.46TB	Not Supported	Not Associate	

NUMA/CPU

Routes

DPDK

Interrupt Affinity

Memory Settings

Firewall Configuration

DNS

NTP Info

Hardware Acceleration

Current HugePage Type

- Dynamic

Configure HugePage Type [?](#)

Dynamic	Reserved
---------	----------

Page Size

2M

IOMMU/SMMU

Current State

On

IOMMU/SMMU (?)

Off On

CPU Isolation

Current State

Off

CPU Isolation (?)

Off On

CPU Grouping

CPU Grouping State

Off

CPU Grouping

応用設定を構成します(ブート)

Compute / Resource Navigation

All VM Group

Resources

Datacenter

cluster

host266

cdpNode1

KaaS

new

newVM

tempVM

test

testVM_001

VM3

VM-inside

VM-inside_A

VM-Product_001

VM-Product_002

VM-Rocky-A

VM-ubuntu_A

VM-ubuntu_B

host279

k8s-ctrl-374fd017

k8s-ctrl-6533e26e

k8s-ctrl-8d244873

k8s-work-d1b3761d

VM2

Compute Host:host266

Normal

Data Center:Datacenter / Cluster:cluster / 172.30.26.6

Add VM

Enter Maintenance Mode

Enter Quarantine Mode

More

Summary

Hardware Monitor

Performance Monitor

VMs

Storage

vSwitches

Hardware

Advanced

Permissions

Notifications

Tasks

Boot Configuration

NUMA/CPU

Routes

DPDK

Interrupt Affinity

Memory Settings

Firewall Configuration

DNS

NTP Info

Hardware Acceleration

CPU Information

CPU

State

Bound vCPUs

Purpose

NUMA 0 (Memory:124.27GB/Free Mem...

CPU 0

Free

0

--

CPU 1

Free

0

--

CPU 2

Free

0

--

CPU 3

Free

0

--

CPU 4

Free

0

--

CPU 5

Free

0

--

CPU 6

Free

0

--

CPU 7

Free

0

--

CPU 8

Free

0

--

CPU 9

Free

0

--

CPU 20

Free

0

--

CPU 21

Free

0

--

CPU 22

Free

0

--

CPU 23

Free

0

--

CPU 24

Free

0

--

CPU 25

Free

0

--

CPU 26

Free

0

--

CPU 27

Free

0

--

CPU 28

Free

0

--

CPU 29

Free

0

--

NUMA 1 (Memory:125.96GB/Free Mem...

CPU 10

Used

4

VMs [VM-Rocky-A]

CPU 11

Used

4

VMs [VM-Rocky-A]

応用設定を構成します(CPU)

Compute / Resource Navigation

All VM Group

Resources

Datacenter

cluster

host266

cdpNode1

KaaS

new

newVM

tempVM

test

testVM_001

VM3

VM-inside

VM-inside_A

VM-Product_001

VM-Product_002

VM-Rocky-A

VM-ubuntu_A

VM-ubuntu_B

host279

k8s-ctrl-374fd017

k8s-ctrl-6533e26e

k8s-ctrl-8d244873

k8s-work-d1b3761d

VM2

Compute Host:host266 Normal Data Center:Datacenter / Cluster:cluster / 172.30.26.6 Add VM Enter Maintenance Mode Enter Quarantine Mode More

Summary Hardware Monitor Performance Monitor VMs Storage vSwitches Hardware Advanced Permissions Notifications Tasks

Boot Configuration

DNS

NUMA/CPU

DNS Server ?

172.30.113.36

Routes

DPDK

Save

Interrupt Affinity

Memory Settings

Firewall Configuration

DNS

NTP Info

Hardware Acceleration

応用設定を構成します(DNS)

Compute / Resource Navigation

All VM Group

Resources

▼ Datacenter

▼ cluster

▼ host266

cdpNode1

KaaS

new

newVM

tempVM

test

testVM_001

VM3

VM-inside

VM-inside_A

VM-Product_001

VM-Product_002

VM-Rocky-A

VM-ubuntu_A

VM-ubuntu_B

▼ host279

⚙️ k8s-ctrl-374fd017

⚙️ k8s-ctrl-6533e26e

⚙️ k8s-ctrl-8d244873

⚙️ k8s-work-d1b3761d

VM2

Compute Host:host266

Normal

Data Center:Datacenter / Cluster:cluster / 172.30.26.6

Add VM

Enter Maintenance Mode

Enter Quarantine Mode

More

Summary

Hardware Monitor

Performance Monitor

VMs

Storage

vSwitches

Hardware

Advanced

Permissions

Notifications

Tasks

Boot Configuration

NUMA/CPU

Routes

DPDK

Interrupt Affinity

Memory Settings

Firewall Configuration

DNS

NTP Info

Hardware Acceleration

NTP Info

Service State	Run at Startup	NTP Server	Sync State
Off	No	127.127.1.0	No

応用設定を構成します(NTP)

Compute / Resource Navigation

All VM Group

Resources

▼ Datacenter

▼ cluster

▼ host266

cdpNode1

KaaS

new

newVM

tempVM

test

testVM_001

VM3

VM-inside

VM-inside_A

VM-Product_001

VM-Product_002

VM-Rocky-A

VM-ubuntu_A

VM-ubuntu_B

▼ host279

⚙️ k8s-ctrl-374fd017

⚙️ k8s-ctrl-6533e26e

⚙️ k8s-ctrl-8d244873

⚙️ k8s-work-d1b3761d

VM2

Compute Host:host266

Normal

Data Center:Datacenter / Cluster:cluster / 172.30.26.6

Add VM

Enter Maintenance Mode

Enter Quarantine Mode

More

Summary

Hardware Monitor

Performance Monitor

VMs

Storage

vSwitches

Hardware

Advanced

Permissions

Notifications

Tasks

Add Permissions

Remove

Operator Operator Group

	Operator/Operator Group	Category	Scope	Actions
☐	admin	Operator	Global	Edit Remove
☐	Security Auditor Group	Operator Group	Global	Edit Remove
☐	System Administrator Group	Operator Group	This Object	Edit Remove

Total: 3

< 1 > 30/page Go to 1

ホストの権限を管理します

Compute / Resource Navigation

All

VM Group

Resources

+

Datacenter

cluster

host266

cdpNode1

KaaS

new

newVM

tempVM

test

testVM_001

VM3

VM-inside

VM-inside_A

VM-Product_001

VM-Product_002

VM-Rocky-A

VM-ubuntu_A

VM-ubuntu_B

host279

k8s-ctrl-374fd017

k8s-ctrl-6533e26e

k8s-ctrl-8d244873

k8s-work-d1b3761d

VM2

Compute Host:host266

Normal

Data Center:Datacenter / Cluster:cluster / 172.30.26.6

Add VM

Enter Maintenance Mode

Enter Quarantine Mode

More

Summary

Hardware Monitor

Performance Monitor

VMs

Storage

vSwitches

Hardware

Advanced

Permissions

Notifications

Tasks

State: Unacknowledged

Severity: All

Type: All Types

Contents:

Start Time:

End Time:

Filter

Reset

Hostのアラームを管理します

Acknowledge

Delete

Clear

Alarm Thresholds

Refresh Interval

10 Sec...

	Seve...	State	Source	Type	Contents	Last Triggered At	First Triggered At	Alarm Co...	Actio...
☐	Major	Unacknowl...	Host"host266"(172.30.26.6)	Host Alarms	The inbound packet loss rate of NIC "a4:fa:76:08:db:60" has reached 10...	2026-05-23 18:25:35	2026-05-23 18:24:05	2	Ignore
☐	Major	Unacknowl...	VM"VM-Product_001"(0.0.0.0)	Other Alarms	Snapshot "job-start" for VM "VM-Product_001" has been retained for ...	2026-05-23 18:22:41	2026-05-23 15:53:41	30	Ignore
☐	Major	Unacknowl...	VM"VM-inside_A"(0.0.0.0)	Other Alarms	Snapshot "init-snapshot" for VM "VM-inside_A" has been retained for ...	2026-05-23 18:22:41	2026-05-23 15:52:42	30	Ignore
☐	Major	Unacknowl...	VM"VM-Rocky-A"(172.30.10.113)	VM Alarms	The VM memory usage has reached 80%. The current memory usage is ...	2026-05-23 18:22:04	2026-05-23 09:15:04	107	Ignore
☐	Major	Unacknowl...	Host"host266"(172.30.26.6)	Host Alarms	The inbound packet loss rate of NIC "9c:e8:95:de:e8:93" has reached 10...	2026-05-23 09:31:05	2026-05-23 09:14:35	14	Ignore
☐	Minor	Unacknowl...	VM"VM-Rocky-A"(172.30.10.113)	Failure Alarms	The tools component is not installed or running on VM "VM-Rocky-A".	2026-05-23 18:25:03	2026-05-22 16:55:01	1235	Ignore
☐	Minor	Unacknowl...	Host"host266"(172.30.26.6)	Host Alarms	The inbound packet loss rate of NIC "a4:fa:76:08:db:60" has reached 5%...	2026-05-23 18:23:35	2026-05-23 09:38:05	122	Ignore
☐	Minor	Unacknowl...	VM"VM-Rocky-A"(172.30.10.113)	VM Alarms	The VM memory usage has reached 70%. The current memory usage is ...	2026-05-22 15:46:18	2026-05-22 15:46:18	1	Ignore
☐	Minor	Unacknowl...	VM"VM-ubuntu_A"(172.30.9.118)	Failure Alarms	The tools component is not installed or running on VM "VM-ubuntu_A".	2026-05-21 14:16:47	2026-05-21 10:45:16	148	Ignore
☐	Info	Unacknowl...	Host"host266"(172.30.26.6)	Host Alarms	The inbound packet loss rate of NIC "a4:fa:76:08:db:60" has reached 2%...	2026-05-21 16:03:17	2026-05-21 15:53:46	8	Ignore
☐	Info	Unacknowl...	Host"host266"(172.30.26.6)	Host Alarms	The inbound packet loss rate of NIC "9c:e8:95:de:e8:93" has reached 2%...	2026-05-21 16:03:17	2026-05-21 15:53:46	8	Ignore

Total: 11

<

1

>

30/page

Go to

1



デモ

本セクションでは、テンプレートから新しい仮想マシンを作成する手順（CPU、メモリ、ストレージ、ネットワークリソースの割り当てを含む）を実演します。設定完了後、仮想マシンを起動し、基本的なVMライフサイクル管理機能を示します。さらに、VM管理インターフェースや関連機能（ホット追加、コンソールアクセス、VMスナップショットの作成と復元など）についても紹介します。また、ping通信を継続させた状態でライブマイグレーションを実行し、プラットフォームのサービス継続性機能も実演します。

デモのシナリオ

1. **テンプレートを使って仮想マシンを作成します**
2. 仮想マシンの管理機能を紹介します
 - 2.1. 仮想マシンの追加(hot add)機能を紹介します
 - 2.2. 仮想マシンのコンソールアクセスを紹介します
 - 2.3. 仮想マシンのスナップショットの作成とリストアーを紹介します
 - 2.4. PINGを継続中にライブのマイグレーションを行います。

※VM3からVM2へpingを続ける

VM2を他のサーバー(host279)へマイグレート(移動)させる
移動中もVM2はpingに応え続けます

Compute / Resource Navigation

All VM Group

Resources

DataCenter

Cluster-920P02-X86-NingOS

cvk34

centos9-ycf-kernel-5.14-...

cvk-E0920P03

CVM-920P03-1

CVM-920P03-2

CVM-E0920P03

CVM-E0920P03-role

def004_002

def_test_001

DSM

test

Compute Host:cvk34

Normal

Data Center:Data... / Cluster:Cluster-920P02-X86-... / 55.99...

Add VM

Enter Maintenance Mode

Enter Quarantine Mode

More

Summary

Hardware Monitor

Performance Monitor

VMs

Storage

vSwitches

Hardware

Advanced

Permissions

Notifications

Tasks

Basic Info

テンプレートを使って仮想マシンを作成します

CPU

2 * 32 * 2 Cores

Memory

1.96TB

1.79TB

Storage

156.92GB

144.37GB

IP: 55.99.1.34

CPU Model: Intel(R) Xeon(R) Gold 6338 ...

iLO: 161.43.36.4

Uptime: 14 days 17 hours 48 minutes 29...

CPU Frequency: 3.2GHz

Classification L... Internal Use Only

Version: CVK 9.0 (E0920P02)

Tags: None

Host Model: New H3C Technologies Co.,...

Host Type: Compute Host

Host Time: 2026-05-23 10:20:35

Host Role: Primary Node

Resource Performance

Alarm Statistics

More(9)

9 Total

Critical 0

Major 1

Minor 8

Info 0

VM"DSM"(55.99.2.57,;) The VM CPU usage has reached 80%. The current... 2026-05-13 20:29:38 - 2026-05-23 10:19:17 Repeat 2603 Times Acknowledge

VM"CVM-E0920P03"(55.99.2.95,;) The VM memory usage has reached 70... 2026-05-22 09:21:45 - 2026-05-23 10:21:46 Repeat 286 Times Acknowledge

VM"CVM-E0920P03-role"(55.99.2.97,;) The tools component is not install... 2026-05-22 11:16:15 - 2026-05-23 10:23:46 Repeat 1317 Times Acknowledge

VM"CVM-E0920P03"(55.99.2.95,;) The tools component is not installed o... 2026-05-22 09:01:44 - 2026-05-23 10:23:46 Repeat 1448 Times Acknowledge

VM"cvk-E0920P03"(55.99.2.96,;) The tools component is not installed or r... 2026-05-22 09:25:14 - 2026-05-23 10:23:46 Repeat 1425 Times Acknowledge

VM Statistics

10 Total

Normal 8

Shutdown 2

Resource Usage

CPU Usage 16.74%

Memory Usage 9.37%

Storage Usage 8.00%

CPU Allocat... 160.16%

Memory Allo... 11.46%

CPU Allocat... 156.25%

Memory Allo... 11.17%

Memory Status

Total Memory 9.37%(181.36GB/1.96TB)

HugePages (Dynamic) 0%(0.00MB/1.96TB)

VM Group 0%(0.00MB/0.00GB)

OVS Group 0%(0.00MB/0.00GB)

Network Throughput (Mbps)

4

3

2

1

0

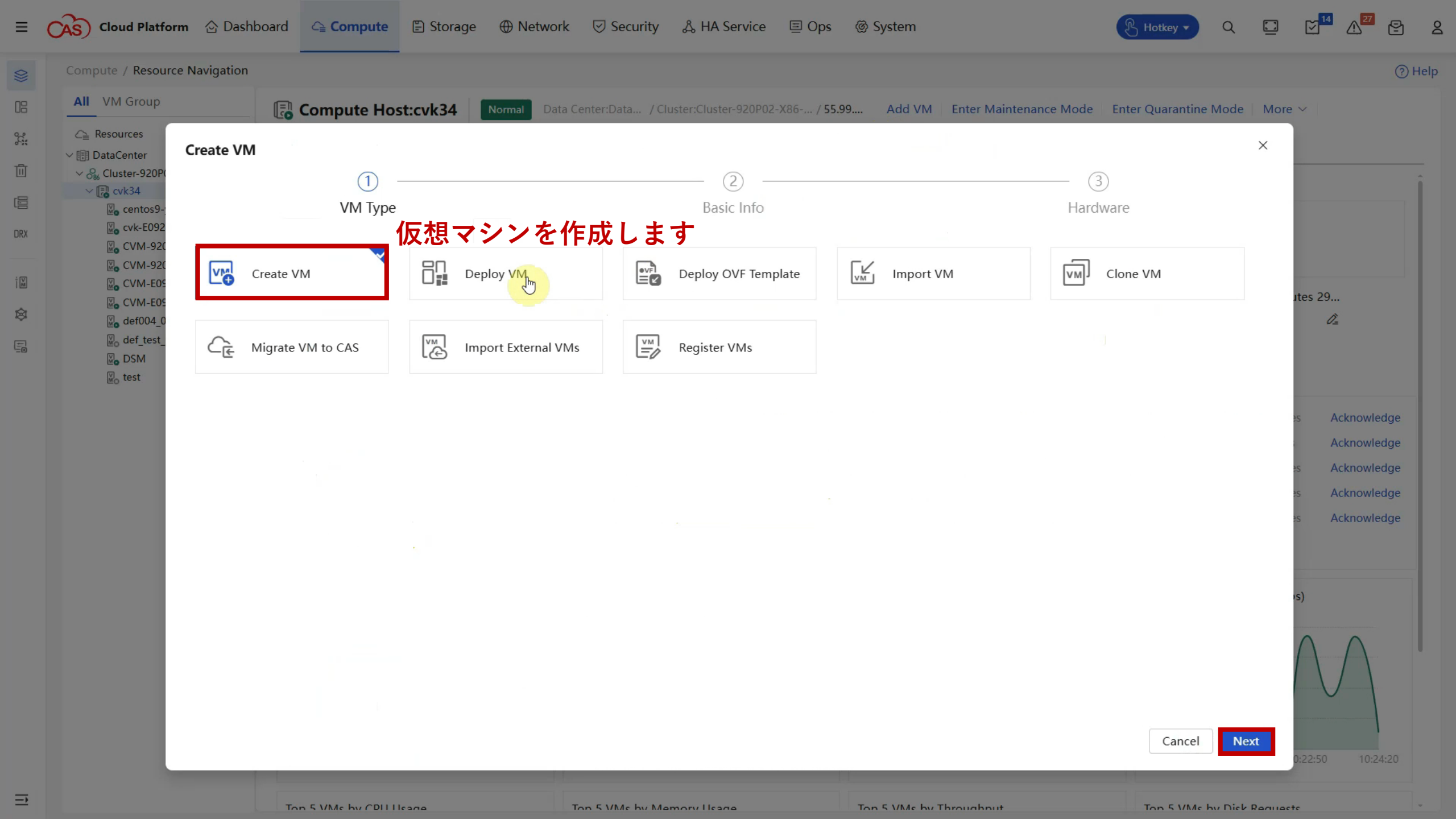
10:19:20 10:20:50 10:22:20 10:23:50

Top 5 VMs by CPU Usage

Top 5 VMs by Memory Usage

Top 5 VMs by Throughput

Top 5 VMs by Disk Requests



Create VM

①

VM Type

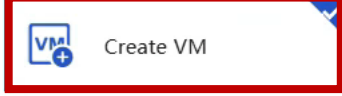
②

Basic Info

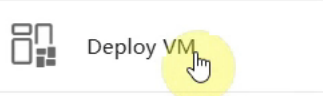
③

Hardware

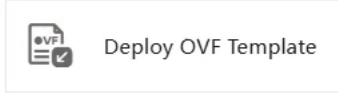
仮想マシンを作成します



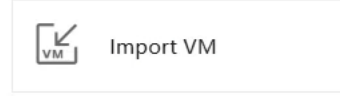
Create VM



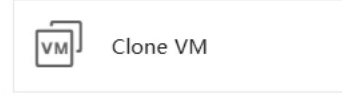
Deploy VM



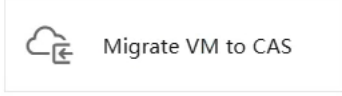
Deploy OVF Template



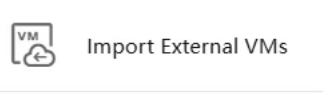
Import VM



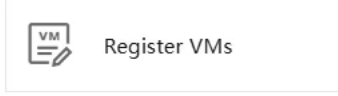
Clone VM



Migrate VM to CAS



Import External VMs



Register VMs

Cancel

Next

① —

VM Type

②

Basic Info

③

Cluster

④

Storage

- ⑤

Network

仮想マシンを展開します



Create VM



Deploy VM



Deploy OVF Template



Import VM



Clone VM



Migrate VM to CAS



Import External VMs



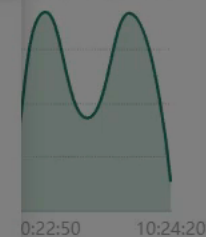
Register VMs

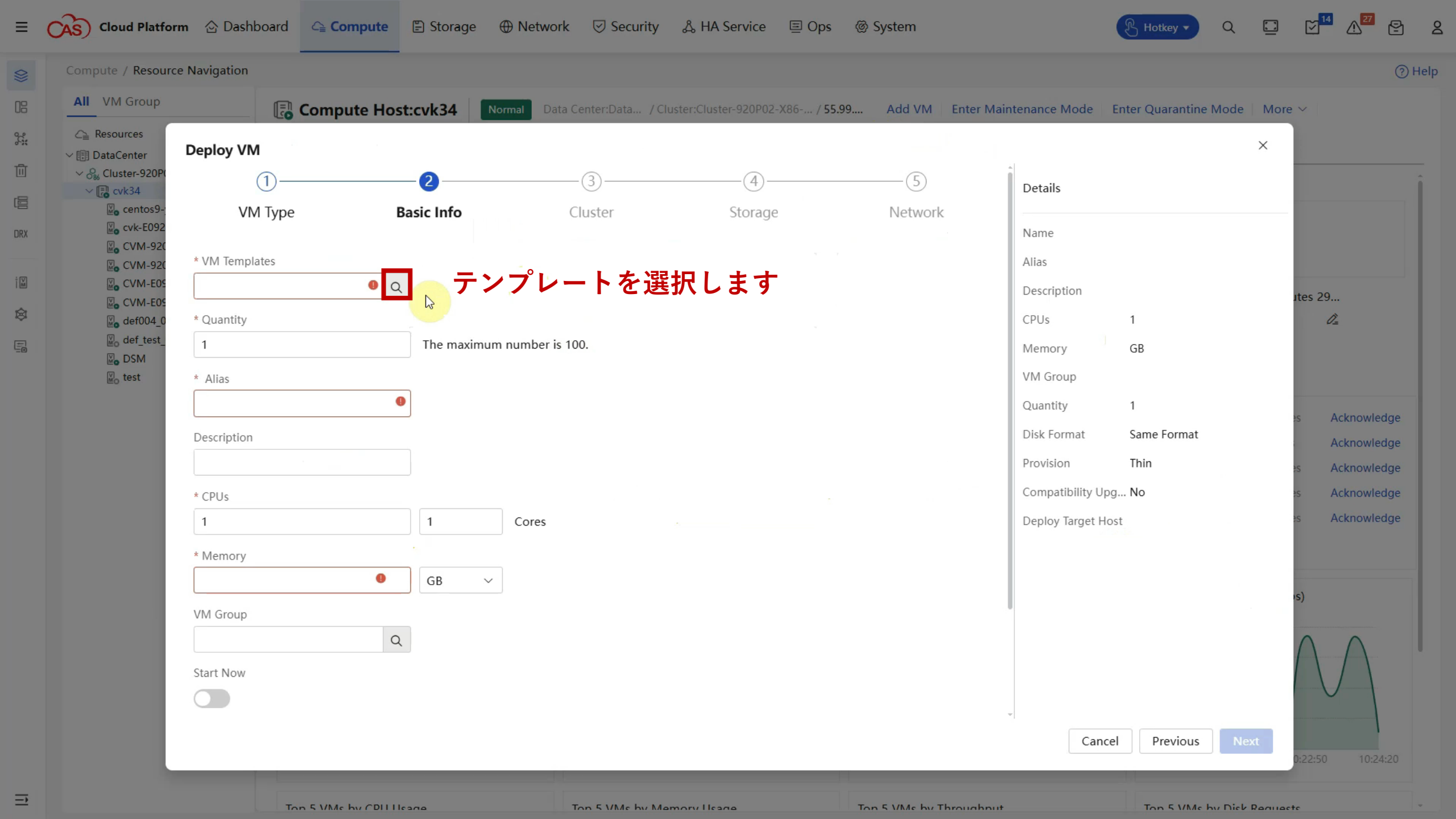
Cancel

Next

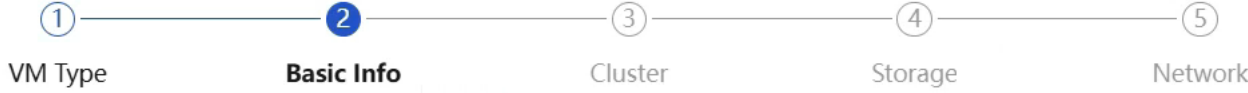
Cancel

Next





Deploy VM



* VM Templates



テンプレートを選択します

* Quantity

The maximum number is 100.

* Alias

Description

* CPUs

Cores

* Memory

VM Group

Start Now

☐

Details

Name

Alias

Description

CPU 1

Memory GB

VM Group

Quantity 1

Disk Format Same Format

Provision Thin

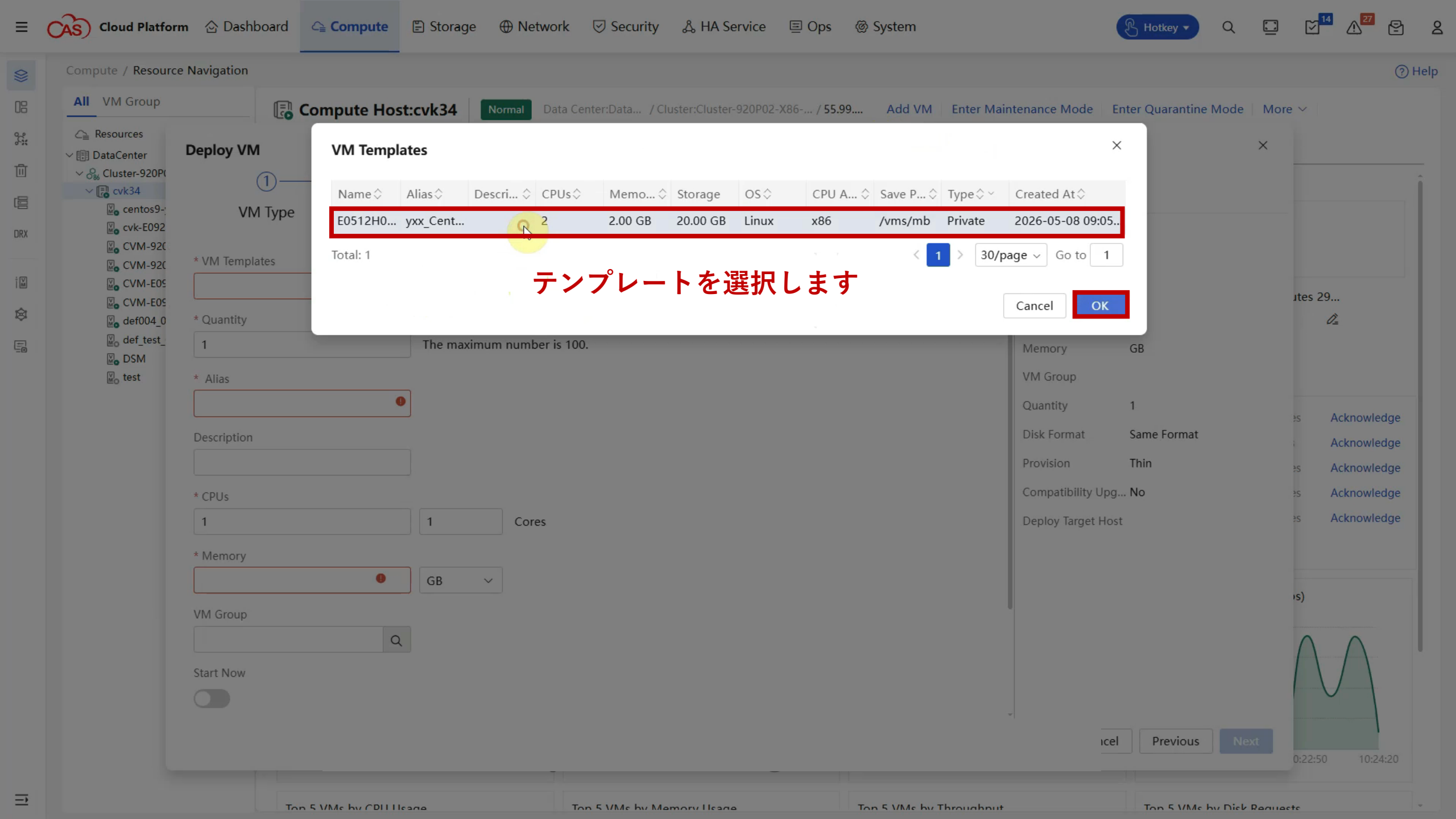
Compatibility Upg... No

Deploy Target Host

Cancel

Previous

Next



VM Templates

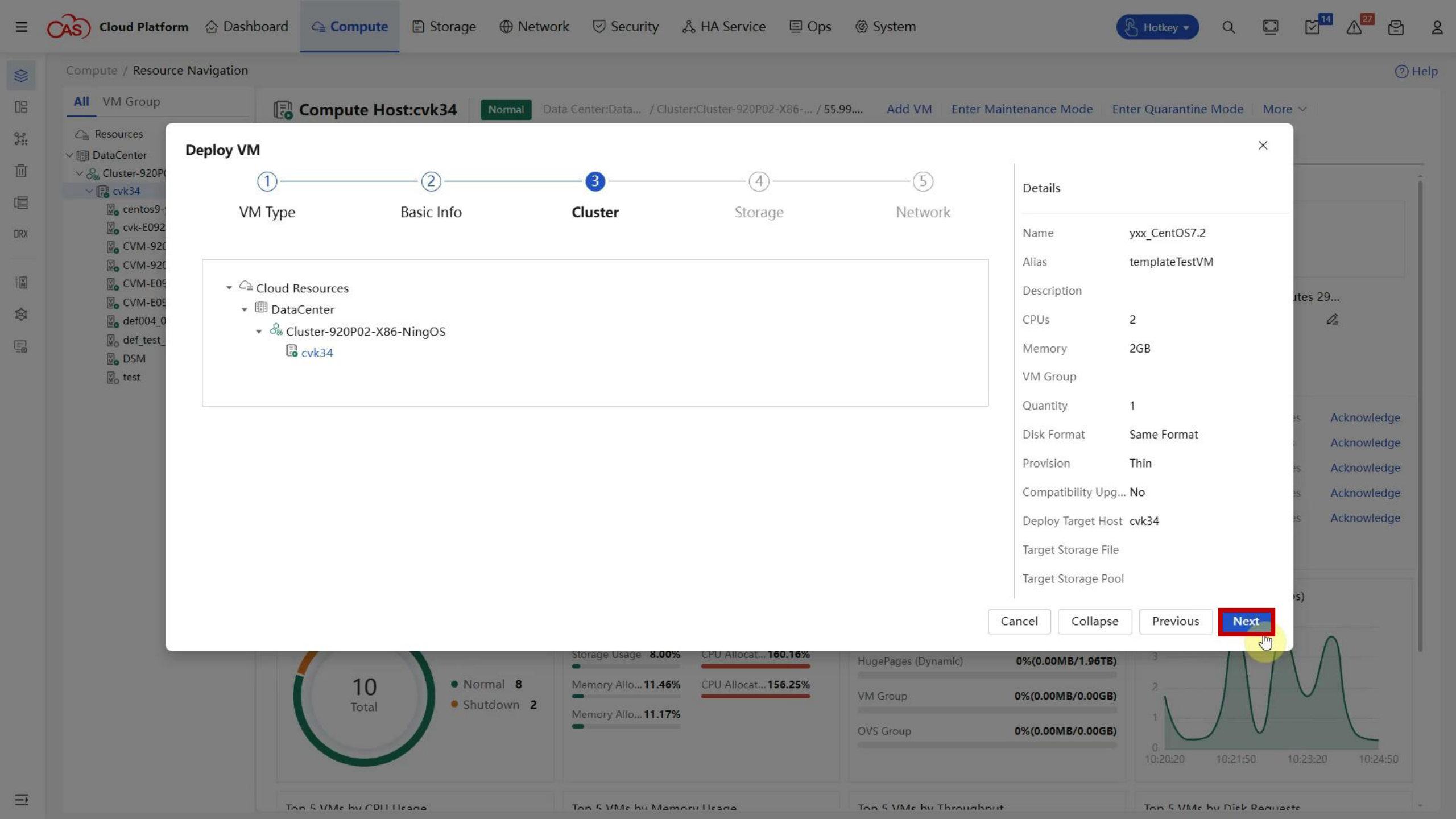
Name	Alias	Descri...	CPUs	Memo...	Storage	OS	CPU A...	Save P...	Type	Created At
E0512H0...	yxx_Cent...		2	2.00 GB	20.00 GB	Linux	x86	/vms/mb	Private	2026-05-08 09:05..

Total: 1

< 1 > 30/page Go to 1

テンプレートを選択します

Cancel OK



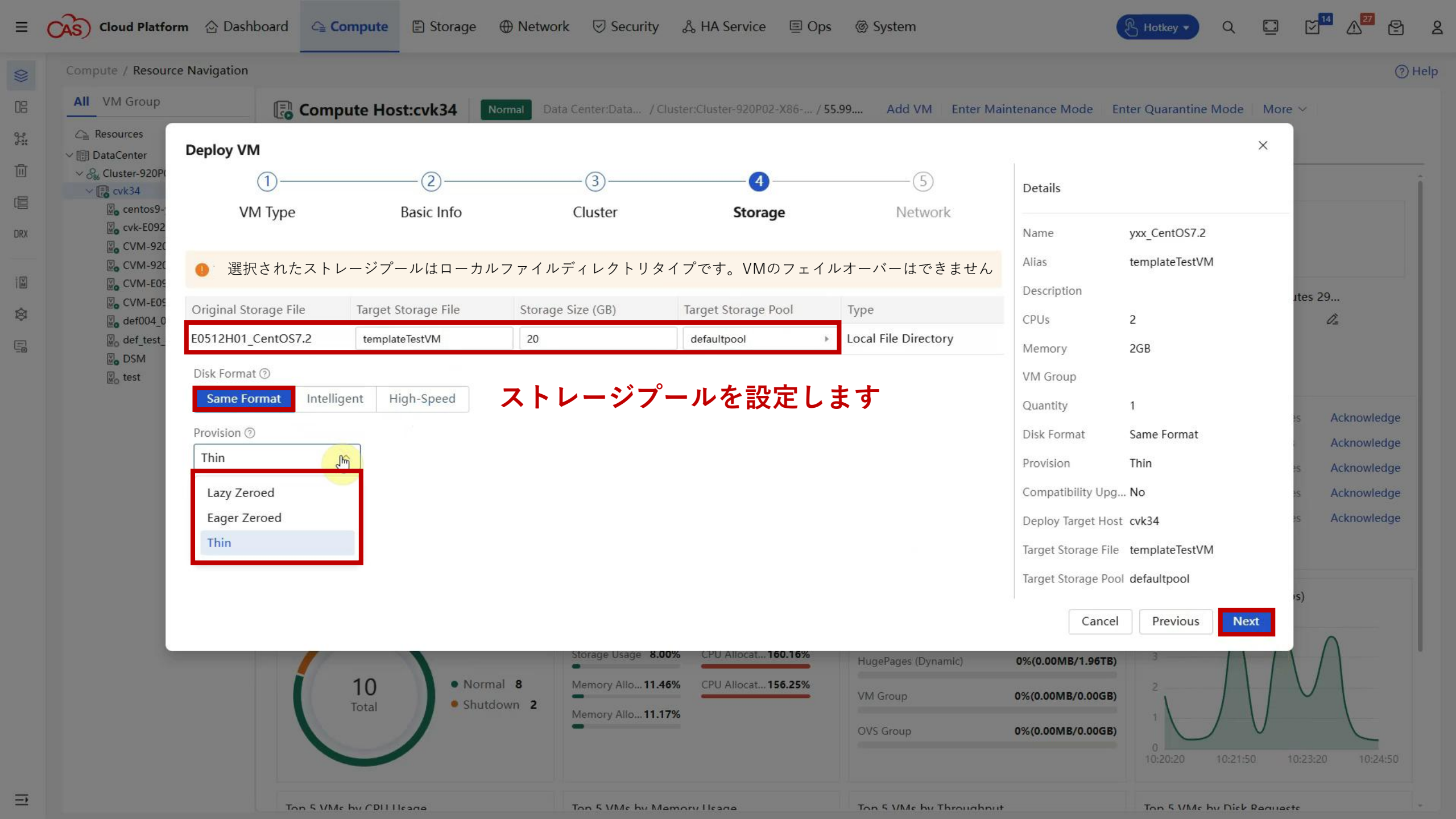
Deploy VM



- Cloud Resources
 - DataCenter
 - Cluster-920P02-X86-NingOS
 - cvk34

Details	
Name	yxx_CentOS7.2
Alias	templateTestVM
Description	
CPU	2
Memory	2GB
VM Group	
Quantity	1
Disk Format	Same Format
Provision	Thin
Compatibility Upg...	No
Deploy Target Host	cvk34
Target Storage File	
Target Storage Pool	

Cancel Collapse Previous **Next**



Deploy VM



ⓘ 選択されたストレージプールはローカルファイルディレクトリタイプです。VMのフェイルオーバーはできません

Original Storage File	Target Storage File	Storage Size (GB)	Target Storage Pool	Type
E0512H01_CentOS7.2	templateTestVM	20	defaultpool	Local File Directory

Disk Format ⓘ

Same Format

Intelligent

High-Speed

ストレージプールを設定します

Provision ⓘ

Thin

Lazy Zeroed

Eager Zeroed

Thin

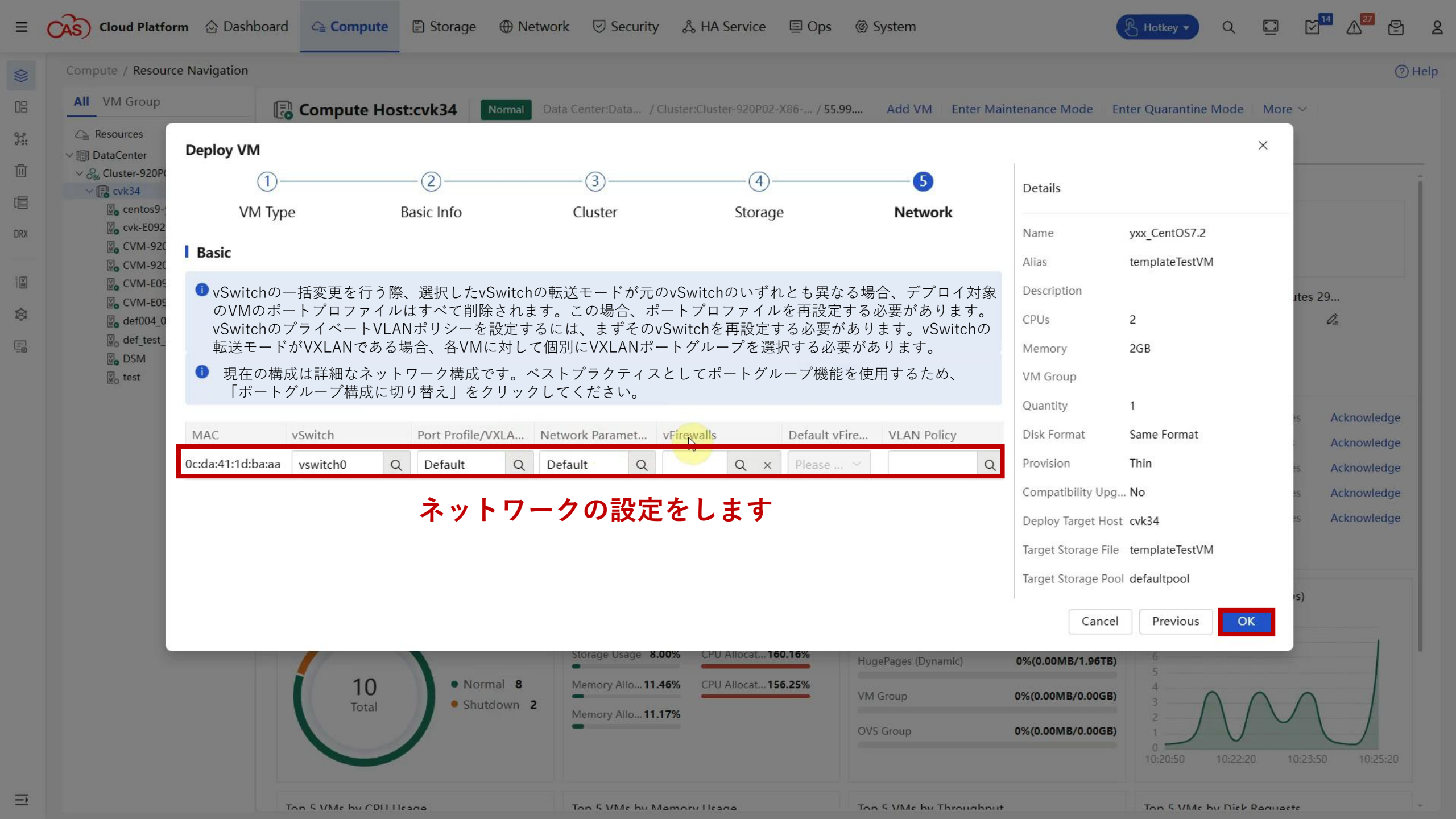
Details

Name	yxx_CentOS7.2
Alias	templateTestVM
Description	
CPU	2
Memory	2GB
VM Group	
Quantity	1
Disk Format	Same Format
Provision	Thin
Compatibility Upg...	No
Deploy Target Host	cvk34
Target Storage File	templateTestVM
Target Storage Pool	defaultpool

Cancel

Previous

Next



Deploy VM



Basic

- ❗ vSwitchの一括変更を行う際、選択したvSwitchの転送モードが元のvSwitchのいずれとも異なる場合、デプロイ対象のVMのポートプロファイルはすべて削除されます。この場合、ポートプロファイルを再設定する必要があります。vSwitchのプライベートVLANポリシーを設定するには、まずそのvSwitchを再設定する必要があります。vSwitchの転送モードがVXLANである場合、各VMに対して個別にVXLANポートグループを選択する必要があります。
- ❗ 現在の構成は詳細なネットワーク構成です。ベストプラクティスとしてポートグループ機能を使用するため、「ポートグループ構成に切り替え」をクリックしてください。

MAC	vSwitch	Port Profile/VXLA...	Network Paramet...	vFirewalls	Default vFire...	VLAN Policy
0c:da:41:1d:ba:aa	vswitch0	Q	Default	Q	Please ...	Q

ネットワークの設定をします

Details

Name	yxx_CentOS7.2
Alias	templateTestVM
Description	
CPUs	2
Memory	2GB
VM Group	
Quantity	1
Disk Format	Same Format
Provision	Thin
Compatibility Upg...	No
Deploy Target Host	cvk34
Target Storage File	templateTestVM
Target Storage Pool	defaultpool

Cancel

Previous

OK

Cloud Platform

Dashboard

Compute

Storage

Network

Security

HA Service

Ops

System

Hotkey

Compute / Resource Navigation

All VM Group

Resources

DataCenter

Cluster-920P02-X86-NingOS

cvk34

centos9-ycf-kernel-5.14-...

cvk-E0920P03

CVM-920P03-1

CVM-920P03-2

CVM-E0920P03

CVM-E0920P03-role

def004_002

def_test_001

DSM

templateTestVM

test

Compute Host:cvk34

Normal

Data Center:Data... / Cluster:Cluster-920P02-X86-... / 55.99...

Add VM

Enter Maintenance Mode

Enter Quarantine Mode

More

Summary

Hardware Monitor

Performance Monitor

VMs

Storage

vSwitches

Hardware

Advanced

Permissions

Notifications

Tasks

Basic Info

CPU

2 * 32 * 2 Cores

Total Memory

1.96TB

Free Memory

1.79TB

Local Storage

156.92GB

Available Storage

144.37GB

IP: 55.99.1.34

CPU Model: Intel(R) Xeon(R) Gold 6338 ...

iLO: 161.43.36.4

Uptime: 14 days 17 hours 48 minutes 29...

CPU Frequency: 3.2GHz

Classification L... Internal Use Only

Version: CVK 9.0 (E0920P02)

Tags: None

Host Model: New H3C Technologies Co.,...

Host Type: Compute Host

Host Time: 2026-05-23 10:20:35

Host Role: Primary Node

Resource Performance

Alarm Statistics

More(9)

9 Total

Critical 0

Major 1

Minor 8

Info 0

VM"DSM"(55.99.2.57,;) The VM CPU usage has reached 80%. The current...

2026-05-13 20:29:38 - 2026-05-23 10:24:46 Repeat 2604 Times

Acknowledge

VM"CVM-E0920P03-role"(55.99.2.97,;) The tools component is not install...

2026-05-22 11:16:15 - 2026-05-23 10:25:46 Repeat 1319 Times

Acknowledge

VM"CVM-E0920P03-role"(55.99.2.97,;) The VM memory usage has reach...

2026-05-22 11:40:44 - 2026-05-23 10:25:46 Repeat 260 Times

Acknowledge

VM"CVM-E0920P03"(55.99.2.95,;) The tools component is not installed o...

2026-05-22 09:01:44 - 2026-05-23 10:25:46 Repeat 1450 Times

Acknowledge

VM"cvk-E0920P03"(55.99.2.96,;) The tools component is not installed or r...

2026-05-22 09:25:14 - 2026-05-23 10:25:46 Repeat 1427 Times

Acknowledge

VM Statistics

Resource Usage

Memory Status

Network Throughput (Mbps)

Task Console

Clear Finished Tasks

Executing: 0

Pending: 0

進捗状況がコンソールに表示されます

Task Name	Target	Task State	Task Description	Task Detail	Operator	Operator IP	Start Time	Completed At	Actions
Deploy VM "templateTestVM".	templateTestVM	Succeeded	Deploy VM "templateTestVM"...		admin	10.31.192.155	2026-05-23 10:25:56	2026-05-23 10:26:10	Cancel
Move VM "templateVM" to t...	templateVM	Succeeded	Moved VM "templateVM" fr...		admin	10.31.192.155	2026-05-23 10:20:32	2026-05-23 10:20:34	Cancel
Deploy VM "templateVM".	templateVM	Succeeded	Deploy VM "templateVM" by...		admin	10.31.192.155	2026-05-23 10:19:27	2026-05-23 10:19:43	Cancel
Restore VM "def_test_001" b...	def_test_001	Succeeded	VM "def_test_001" successful...		admin	10.31.192.155	2026-05-23 10:15:27	2026-05-23 10:15:33	Cancel
Take external snapshot "test"...	def test 001	Succeeded	Take external snapshot "test"...		admin	10.31.192.155	2026-05-23 10:15:11	2026-05-23 10:15:16	Cancel

Compute / Resource Navigation

All VM Group

Resources

DataCenter

Cluster-920P02-X86-NingOS

cvk34

centos9-ycf-kernel-5.14-...

cvk-E0920P03

CVM-920P03-1

CVM-920P03-2

CVM-E0920P03

CVM-E0920P03-role

def004_002

def_test_001

DSM

templateTestVM

test

Compute Host:cvk34

Normal

Data Center:Data... / Cluster:Cluster-920P02-X86-... / 55.99...

Add VM

Enter Maintenance Mode

Enter Quarantine Mode

More

Summary

Hardware Monitor

Performance Monitor

VMs

Storage

vSwitches

Hardware

Advanced

Permissions

Notifications

Tasks

Basic Info

CPU

2 * 32 * 2 Cores

Total Memory

1.96TB

Free Memory

1.79TB

Local Storage

156.92GB

Available Storage

144.37GB

IP: 55.99.1.34

CPU Model: Intel(R) Xeon(R) Gold 6338 ...

iLO: 161.43.36.4

Uptime: 14 days 17 hours 48 minutes 29...

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Version: CVK 9.0 (E0920P02)

Tags: None

Host Model: New H3C Technologies Co.,...

Host Type: Compute Host

Host Time: 2026-05-23 10:20:35

Host Role: Primary Node

Alarm Statistics

More(9)

9 Total

Critical 0

Major 1

Minor 8

Info 0

VM"DSM"(55.99.2.57,;) The VM CPU usage has reached 80%. The current...

2026-05-13 20:29:38 - 2026-05-23 10:24:46 Repeat 2604 Times Acknowledge

VM"CVM-E0920P03-role"(55.99.2.97,;) The tools component is not install...

2026-05-22 11:16:15 - 2026-05-23 10:25:46 Repeat 1319 Times Acknowledge

VM"CVM-E0920P03-role"(55.99.2.97,;) The VM memory usage has reach...

2026-05-22 11:40:44 - 2026-05-23 10:25:46 Repeat 260 Times Acknowledge

VM"CVM-E0920P03"(55.99.2.95,;) The tools component is not installed o...

2026-05-22 09:01:44 - 2026-05-23 10:25:46 Repeat 1450 Times Acknowledge

VM"cvk-E0920P03"(55.99.2.96,;) The tools component is not installed or r...

2026-05-22 09:25:14 - 2026-05-23 10:25:46 Repeat 1427 Times Acknowledge

VM Statistics

10 Total

Normal 8

Shutdown 2

Resource Usage

CPU Usage 17.12%

Storage Usage 8.00%

Memory Allo... 11.46%

Memory Allo... 11.17%

Memory Usage 9.37%

CPU Allocat... 160.16%

CPU Allocat... 156.25%

Memory Status

Total Memory 9.37%(181.36GB/1.96TB)

HugePages (Dynamic) 0%(0.00MB/1.96TB)

VM Group 0%(0.00MB/0.00GB)

OVS Group 0%(0.00MB/0.00GB)

Network Throughput (Mbps)

10:21:20 10:22:50 10:24:20 10:25:50

← 作成された仮想マシン

Compute / Resource Navigation

All VM Group

Resources

DataCenter

Cluster-920P02-X86-NingOS

cvk34

centos9-ycf-kernel-5.14-...

cvk-E0920P03

CVM-920P03-1

CVM-920P03-2

CVM-E0920P03

CVM-E0920P03-role

def004_002

def_test_001

DSM

templateTestVM

test

VM:templateTestVM

Shutdown

Start

Shut Down

Edit

Snapshot

Console

More

Summary

Configure

Performance Monitor

Process Monitor

Backup Management

Migration History

Task Orchestration

Console

Permissions

Notifications

Tasks

Add Permissions

Remove

	Operator/Operator Group	Category	Scope	Actions
☐	Operator/Operator Group			
☐	admin	Operator	Global	Edit Remove
☐	Security Auditor Group	Operator Group	Global	Edit Remove
☐	System Administrator Group	Operator Group	This Object	Edit Remove

Total: 3

作成された仮想マシンを起動します

<

1

>

30/page

Go to

1

Compute / Resource Navigation

All VM Group

Resources

DataCenter

Cluster-920P02-X86-NingOS

cvk34

centos9-ycf-kernel-5.14-...

cvk-E0920P03

CVM-920P03-1

CVM-920P03-2

CVM-E0920P03

CVM-E0920P03-role

def004_002

def_test_001

DSM

templateTestVM

test

VM:templateTestVM Shutdown

Data Center:D... / Cluster:Cluster-920P02-... / Host:cvk34(55...

Start

Shut Down

Edit

Snapshot

Console

More

Summary

Configure

Performance Monitor

Process Monitor

Backup Management

Migration History

Task Orchestration

Console

Permissions

Notifications

Tasks

Add Permissions

Remove

Enter Operator/Operator Group

	Operator/Operator Group	Category	Scope	Actions
☐	admin	Operator	Global	Edit Remove
☐	Security Auditor Group	Operator Group	Global	Edit Remove
☐	System Administrator Group	Operator Group	This Object	Edit Remove

Confirm

Are you sure you want to start the VM*templateTestVM*?

起動するか確認

Cancel

OK

Total: 3

< 1 > 30/page Go to 1

Cloud Platform

Dashboard

Compute

Storage

Network

Security

HA Service

Ops

System

Hotkey

16

27

Compute / Resource Navigation

All VM Group

Resources

DataCenter

Cluster-920P02-X86-NingOS

cvk34

centos9-ycf-kernel-5.14-...

cvk-E0920P03

CVM-920P03-1

CVM-920P03-2

CVM-E0920P03

CVM-E0920P03-role

def004_002

def_test_001

DSM

templateTestVM

test

VM:templateTestVM

Running

← 作成されたVMが稼働状態であることが分かる

Summary

Configure

Performance Monitor

Process Monitor

Backup Management

Migration History

Task Orchestration

Console

Permissions

Notifications

Tasks

Add Permissions

Remove

Enter Operator/Operator Group

	Operator/Operator Group	Category	Scope	Actions
☐	admin	Operator	Global	Edit Remove
☐	Security Auditor Group	Operator Group	Global	Edit Remove
☐	System Administrator Group	Operator Group	This Object	Edit Remove

Total: 3

< 1 > 30/page Go to 1

Task Console Clear Finished Tasks Executing: 0 Pending: 0 コンソールで起動を確認

Task Name	Target	Task State	Task Description	Task Detail	Operator	Operator IP	Start Time	Completed At	Actions
Start VM "templateTestVM".	templateTestVM	Succeeded	Start VM "templateTestVM" ...		admin	10.31.192.155	2026-05-23 10:26:31	2026-05-23 10:26:34	Cancel
Deploy VM "templateTestVM".	templateTestVM	Succeeded	Deploy VM "templateTestVM"...		admin	10.31.192.155	2026-05-23 10:25:56	2026-05-23 10:26:10	Cancel
Move VM "templateVM" to t...	templateVM	Succeeded	Moved VM "templateVM" fr...		admin	10.31.192.155	2026-05-23 10:20:32	2026-05-23 10:20:34	Cancel
Deploy VM "templateVM".	templateVM	Succeeded	Deploy VM "templateVM" by...		admin	10.31.192.155	2026-05-23 10:19:27	2026-05-23 10:19:43	Cancel
Restore VM "def test 001" b...	def test 001	Succeeded	VM "def test 001" successful...		admin	10.31.192.155	2026-05-23 10:15:27	2026-05-23 10:15:33	Cancel

デモのシナリオ

1. テンプレートを使って仮想マシンを作成します
2. **仮想マシンの管理機能を紹介します**
 - 2.1. **仮想マシンの追加(hot add)機能を紹介します**
 - 2.2. 仮想マシンのコンソールアクセスを紹介します
 - 2.3. 仮想マシンのスナップショットの作成とリストアーを紹介します
 - 2.4. PINGを継続中にライブのマイグレーションを行います。

※VM3からVM2へpingを続ける

VM2を他のサーバー(host279)へマイグレート(移動)させる
移動中もVM2はpingに応え続けます

CAS

Cloud Platform

Dashboard

Compute

Storage

Network

Security

HA Service

Ops

System

Hotkey

Compute / Resource Navigation

All VM Group

Resources

DataCenter

Cluster-920P02-X86-NingOS

cvk34

centos9-ycf-kernel-5.14-...

cvk-E0920P03

CVM-920P03-1

CVM-920P03-2

CVM-E0920P03

CVM-E0920P03-role

def004_002

def_test_001

DSM

test

VM: def_test_001

Running

Data Center:D... / Cluster:Cluster-920P02-... / Host:cvk34(55...

Start

Shut Down

Edit

Snapshot

Console

More

Summary

Configure

Performance Monitor

Process Monitor

Backup Management

Migration History

Task Orchestration

Console

Permissions

Notifications

Tasks

Basic Info

VMのサマリー情報を表示します

Alias: def_test_001

Description:

CAStools: Running

CAStools Version: 9.2.0.2.0.0

Version: CentOS Linux release 7.2.1511 (Core)

Auto Migration: Disable

Hardware Info

次ページよりCPU、メモリー、ディスクを追加(hot add)します

CPU Isolation: 2x1

CPU Usage: 4%

Memory: 2.0GB

Memory Usage: 31.69%

Size: 0.00B

Bus Type: IDE

CD-ROM Path:

Size: 20.00GB

Bus Type: High-Speed

Storage Path: /local/bd/fbdcs_001

MAC: 0c:da:41:1d:1a:24

IPv4 Address:

VLAN: 1

Size: 0.00B

Bus Type: FDC

Floppy Disk Path:

Resource Performance

CPU Usage

Memory Usage

Compute / Resource Navigation

All VM Group

Resources

DataCenter

Cluster-920P02-X86-NingOS

cvk34

centos9-ycf-kernel-5.14-...

cvk-E0920P03

CVM-920P03-1

CVM-920P03-2

CVM-E0920P03

CVM-E0920P03-role

def004_002

def_test_001

DSM

test

VM: def_test_001

Running

Data Center:D... / Cluster:Cluster-920P02-... / Host:cvk34(55...

Start

Shut Down

Edit

Snapshot

Console

More

Summary

Configure

Performance Monitor

Process Monitor

Backup Management

Migration History

Task Orchestration

Console

Permissions

Notifications

Tasks

Summary

CPU

Memory

Disk

Network

CD-ROM

Floppy Disk

Console

Notepad

Mouse

Serial Port

Graphics Card

vNUMA

Boot Device

Advanced Settings

Add Hardware

Delete Hardware

Basic Settings

Host Memory

2015.19

GB

Max. Quota

32

GB

* Memory

3

GB

* Reserve

0

%

Limit

GB

Advanced Settings

Resource Priority

Low

Medium

High

Memory Ballooning

HugePages

メモリーを追加(hot add)して
2GBから3GBへ

Succeeded

Started the task of editing VM "def_test_001" successfully.

Cancel

Apply

Cloud Platform

Dashboard

Compute

Storage

Network

Security

HA Service

Ops

System

Hotkey

Compute / Resource Navigation

All VM Group

Resources

DataCenter

Cluster-920P02-X86-NingOS

cvk34

centos9-ycf-kernel-5.14-...

cvk-E0920P03

CVM-920P03-1

CVM-920P03-2

CVM-E0920P03

CVM-E0920P03-role

def004_002

def_test_001

DSM

test

VM: def_test_001

Running

Data Center:D... / Cluster:Cluster-920P02-... / Host:cvk34(55...

Start

Shut Down

Edit

Snapshot

Console

More

Summary

Configure

Performance Monitor

Process Monitor

Backup Management

Migration History

Task Orchestration

Console

Permissions

Notifications

Tasks

Summary

CPU

Memory

Disk

Network

CD-ROM

Floppy Disk

Console

Notepad

Mouse

Serial Port

Graphics Card

vNUMA

Boot Device

Advanced Settings

Add Hardware

Delete Hardware

Virtio Disk vda

実行中またはサスペンド状態のVMにおいて、ストレージサイズ、シリアル番号、またはホットスワップ有効化ステータスを変更した場合、その設定はVMを再起動した後に反映されます。ただし、VMがオンラインでのvirtioディスク拡張をサポートしている場合は、再起動は不要です。

Basic Settings

Device

Source Path

Storage Format

High Speed (raw)

Intelligent (qcow2)

Encrypted(luks)

Storage

Used

Disk Usage

21

GB

5.26GB

25.78%

Advanced Settings

Provision

Disk Cluster Size

Thin

Lazy Zeroed

Eager Zeroed

2M

1M

512K

256K

128K

64K

Encrypted

I/O Limit(KB/s)

Read

IOPS Limit

Read

Write

Tip

稼働中の仮想マシンのディスクを拡張する場合、追加されたリソースはシンプロビジョニングとして割り当てられます。追加リソースで「Eager Zeroed（完全ゼロ書き込み）」モードを使用するには、ディスクを拡張する前に仮想マシンをシャットダウンしてください。オンラインで拡張を行うと、CBT（変更ブロック追跡）情報は削除されます。

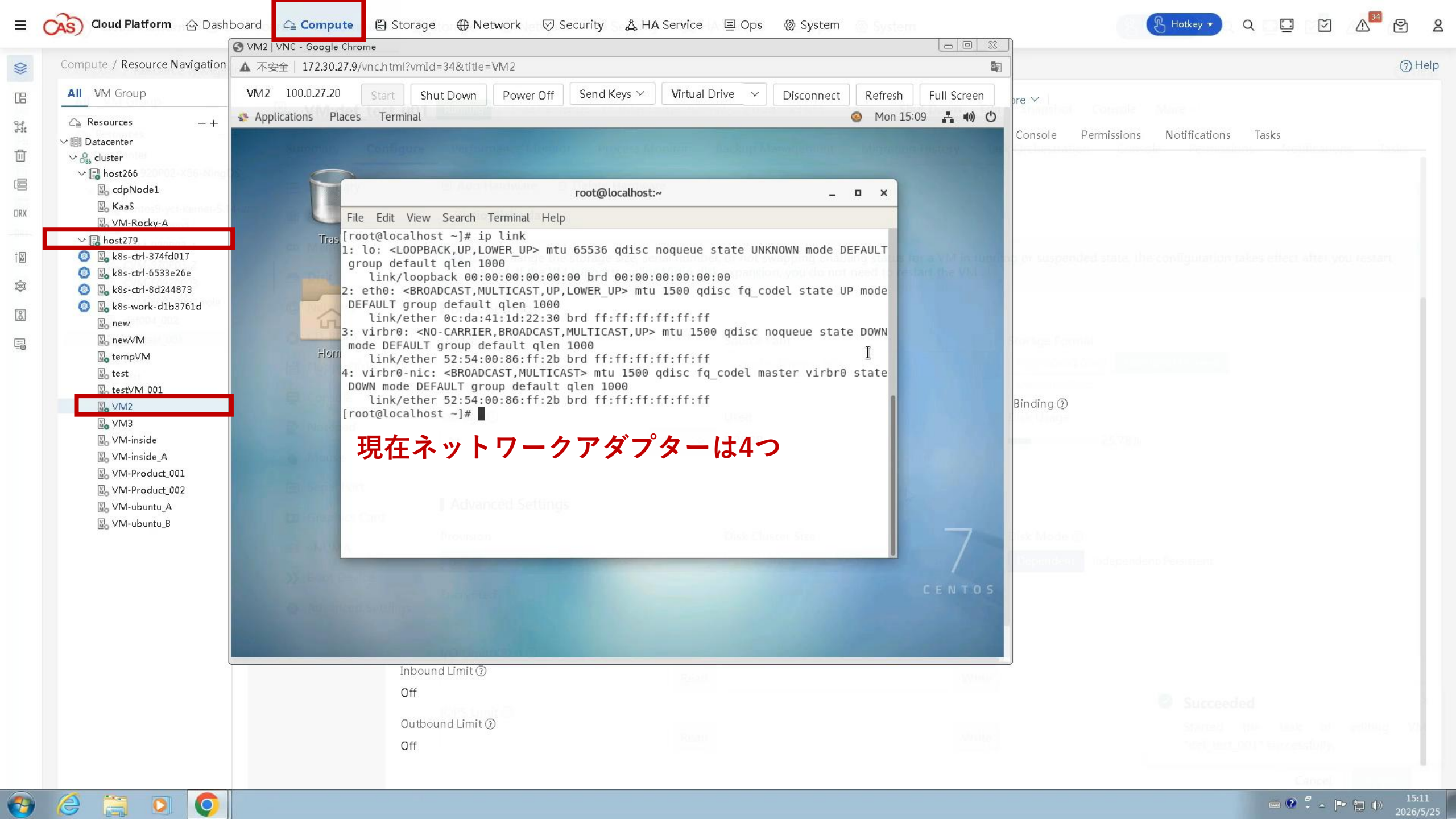
Cancel

OK

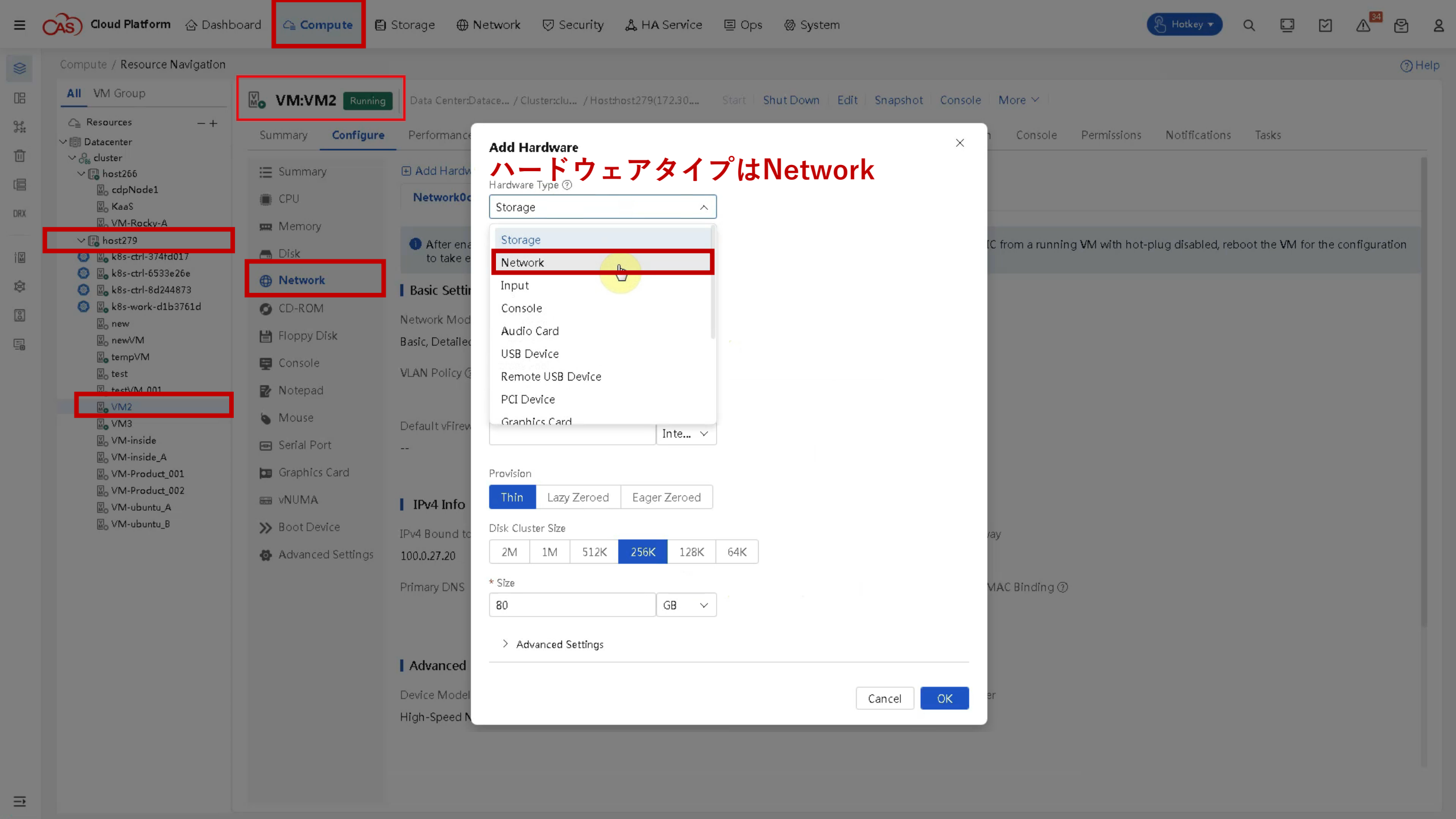
Cancel

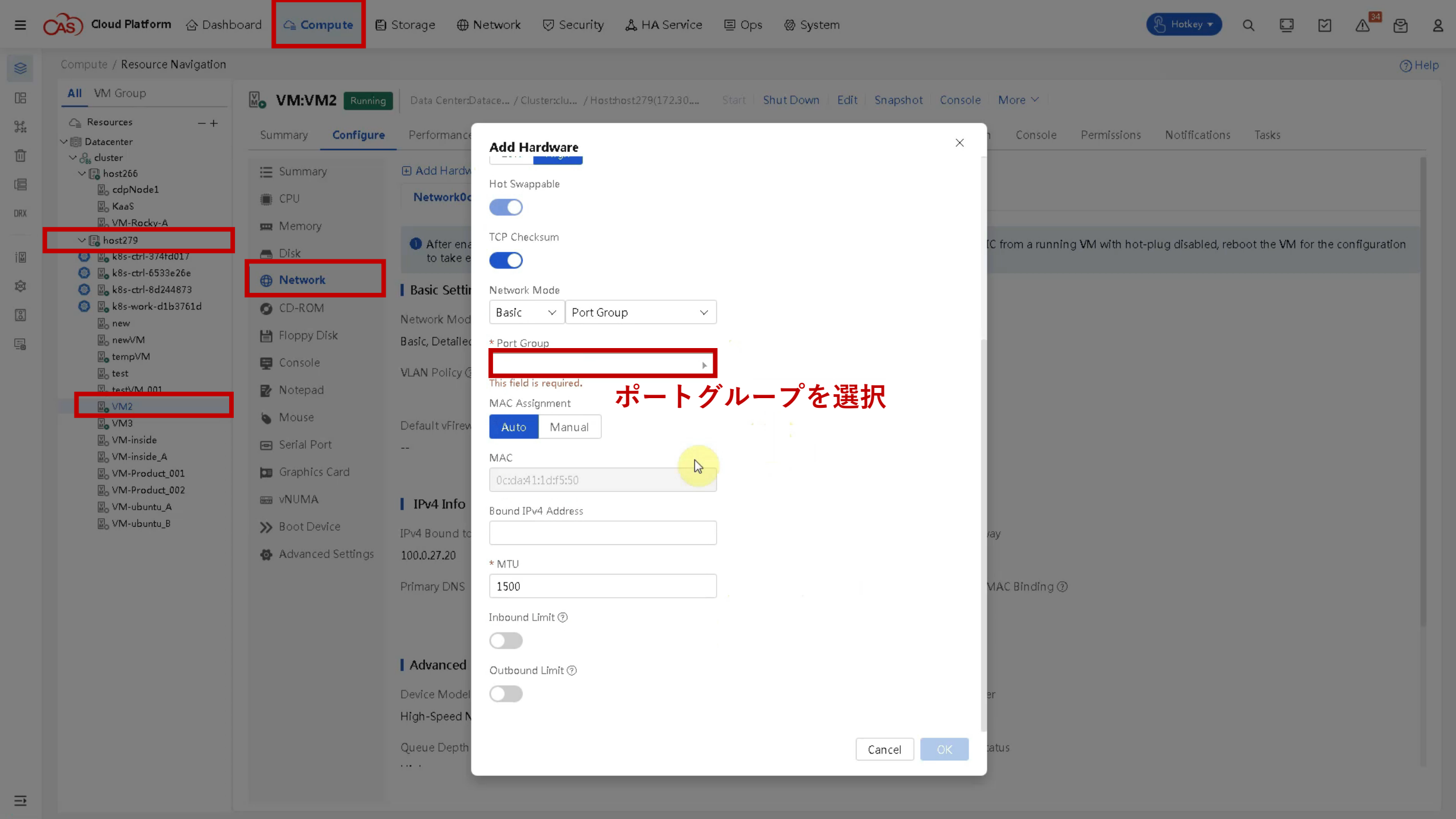
Apply

ディスクを追加(hot add)して20GBから21GBへ



現在ネットワークアダプターは4つ





Add Hardware

Hot Swappable



TCP Checksum



Network Mode

Basic

Port Group

* Port Group

This field is required.

MAC Assignment

Auto

Manual

MAC

0cda41:1d:f5:50

Bound IPv4 Address

100.0.27.20

* MTU

1500

Inbound Limit



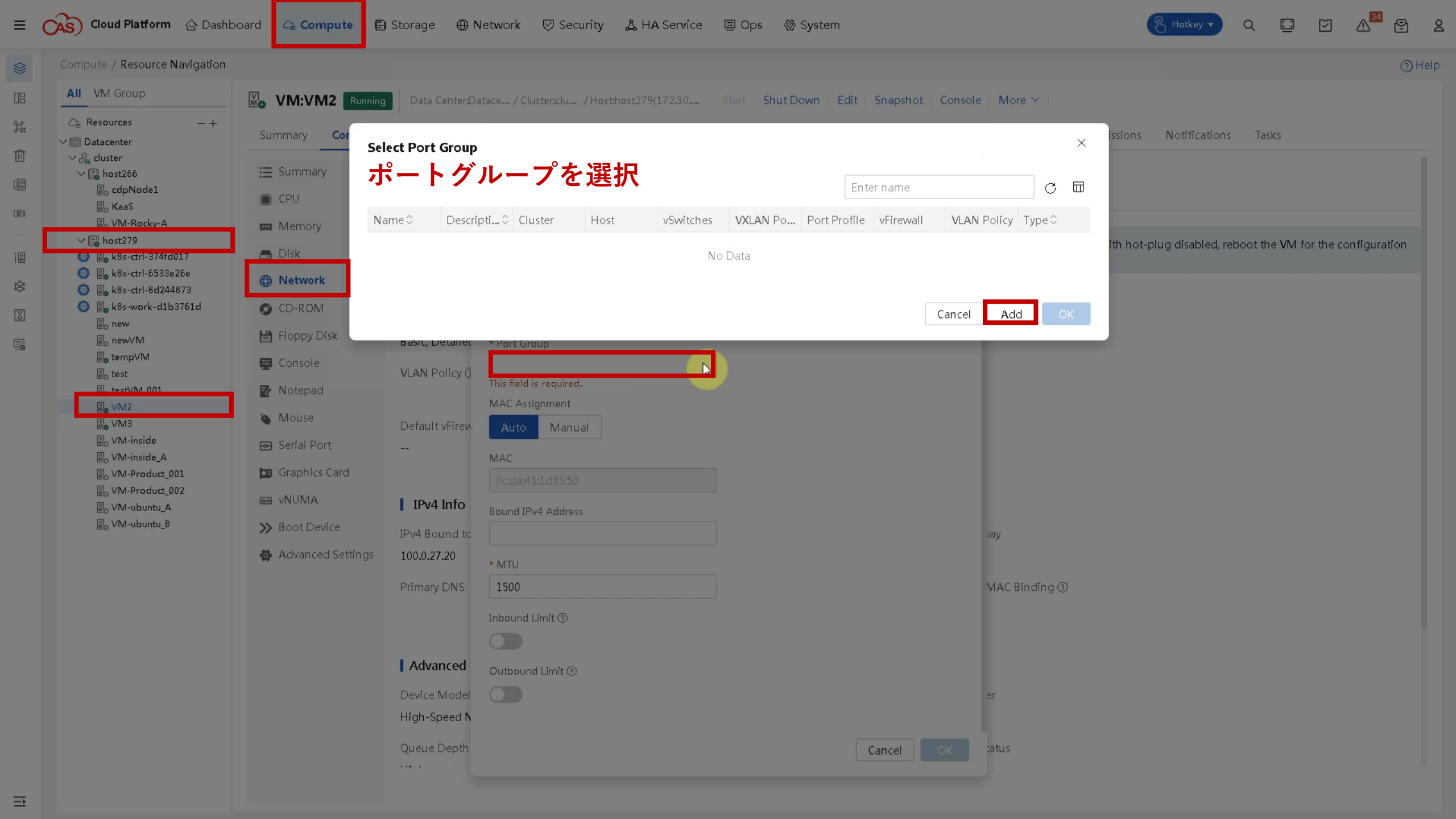
Outbound Limit

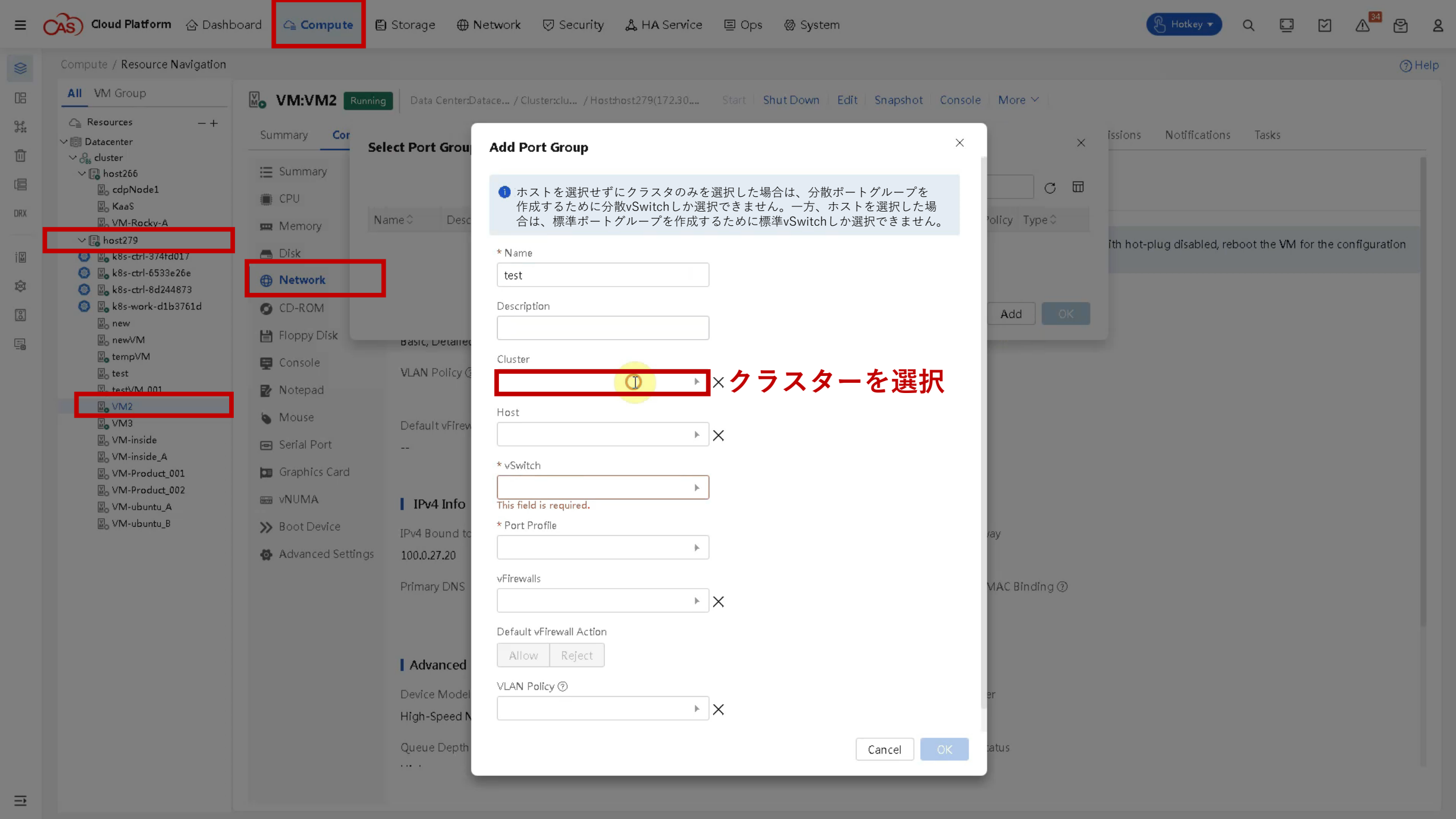


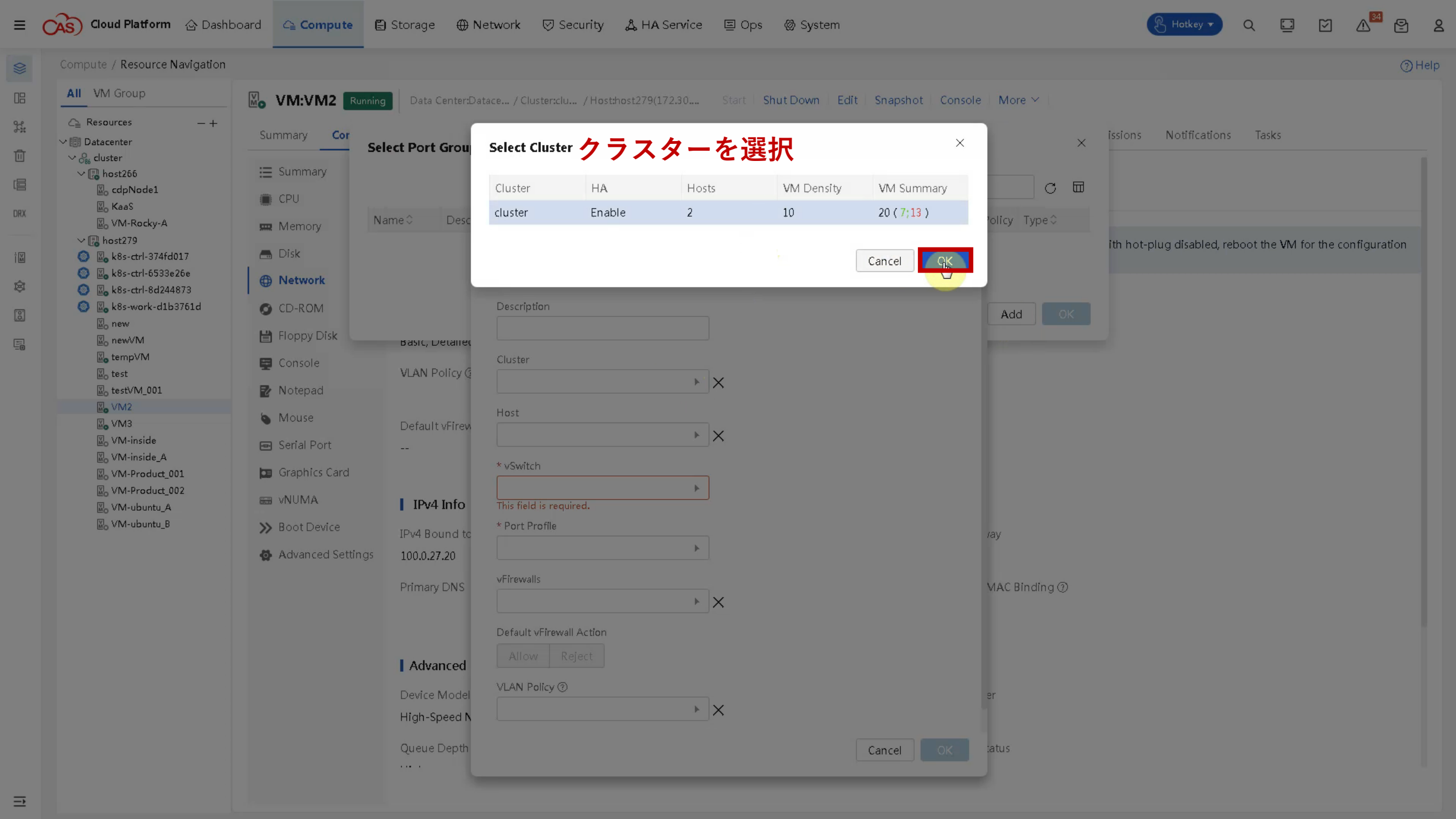
Cancel

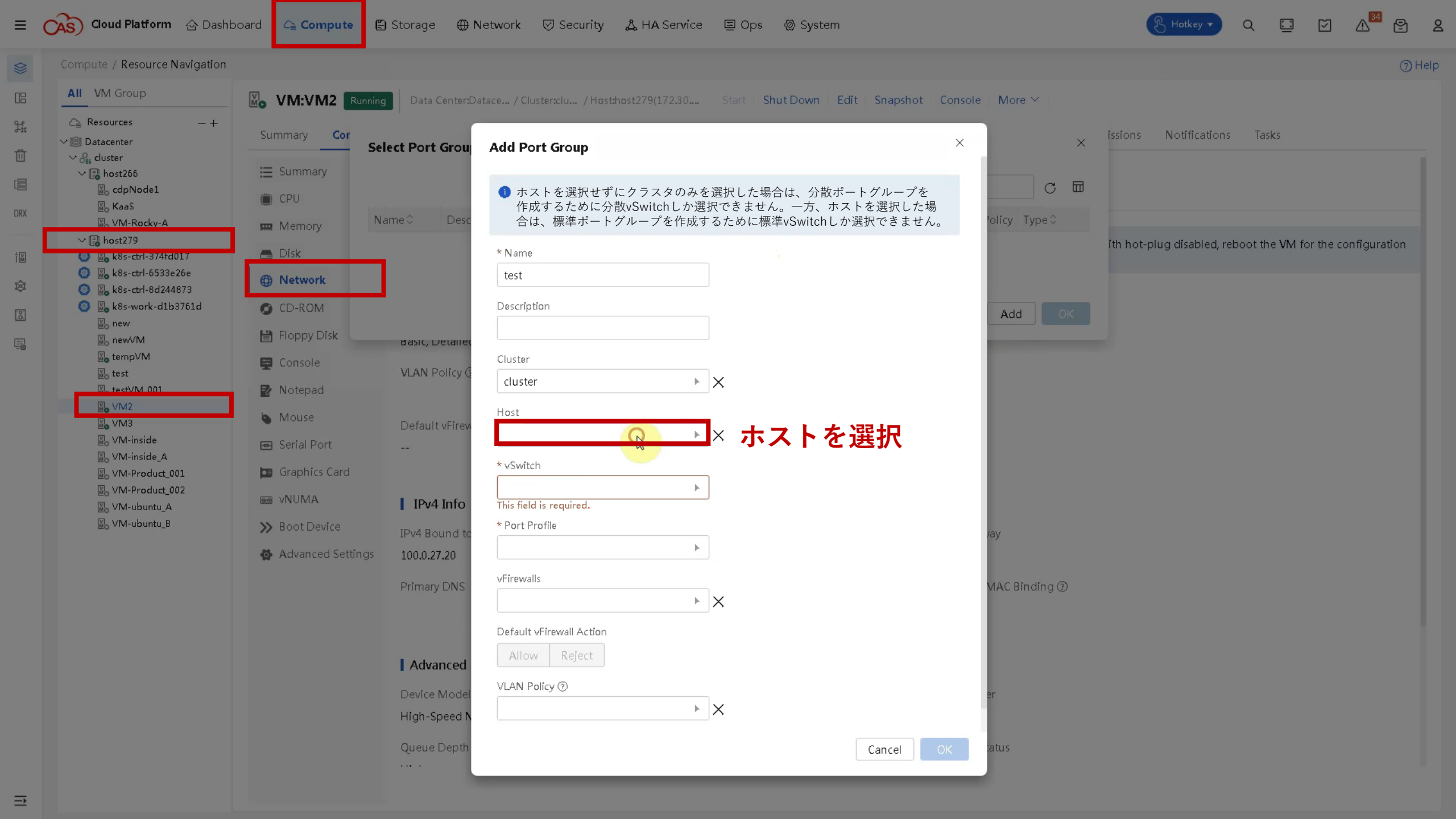
OK

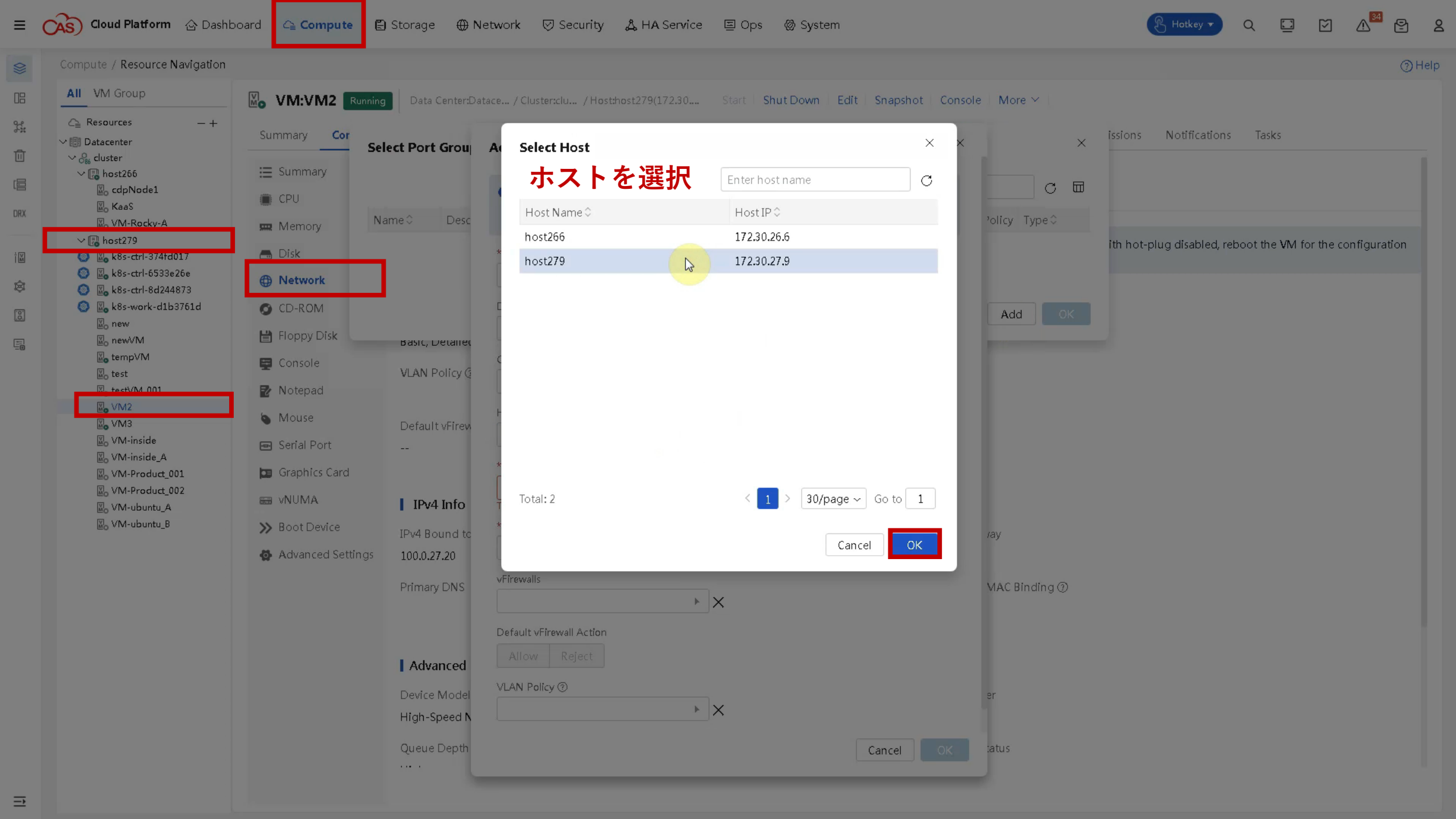
ポートグループを選択

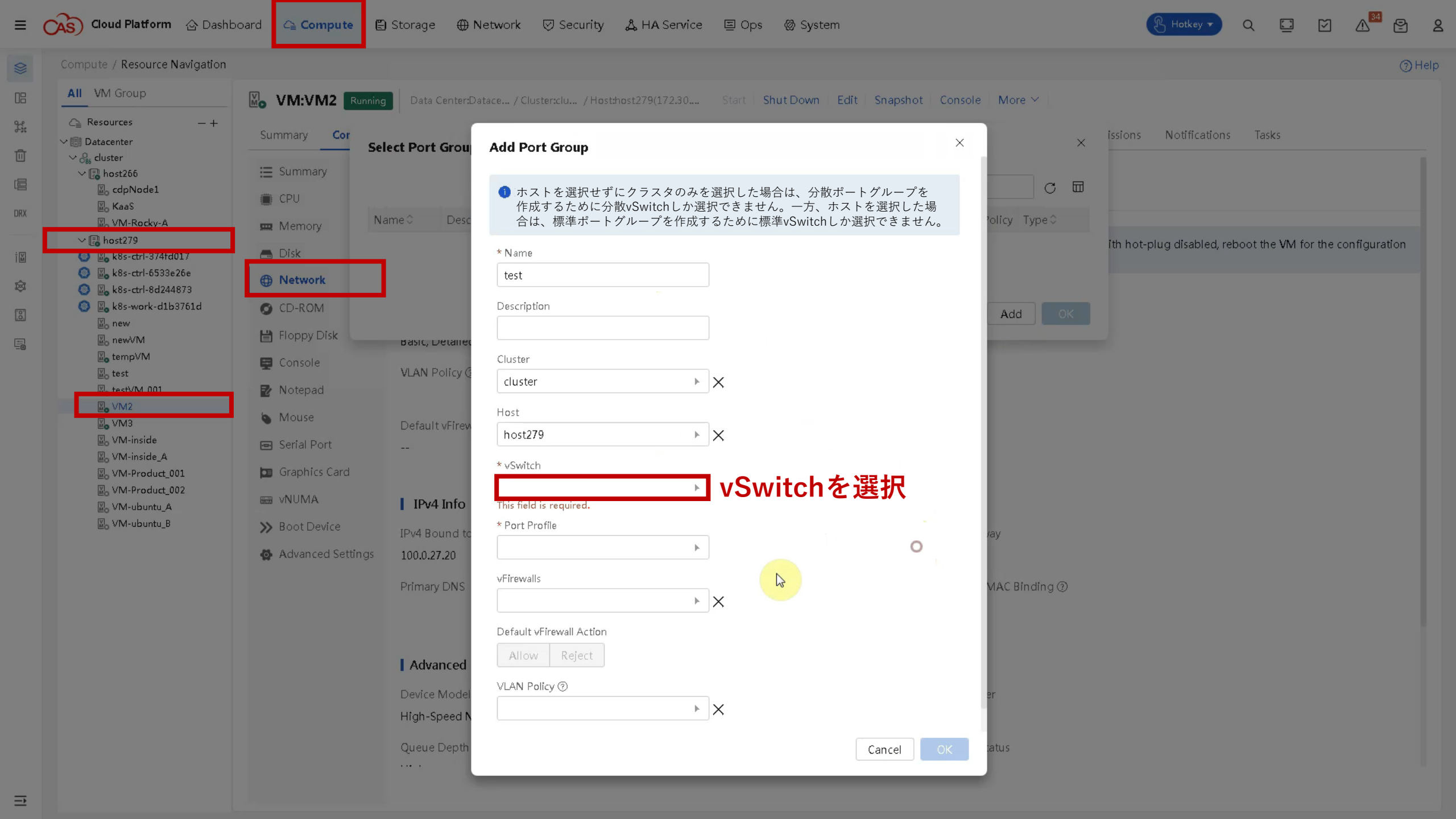












Add Port Group

① ホストを選択せずにクラスタのみを選択した場合は、分散ポートグループを作成するために分散vSwitchしか選択できません。一方、ホストを選択した場合は、標準ポートグループを作成するために標準vSwitchしか選択できません。

* Name

Description

Cluster

Host

* vSwitch

This field is required.

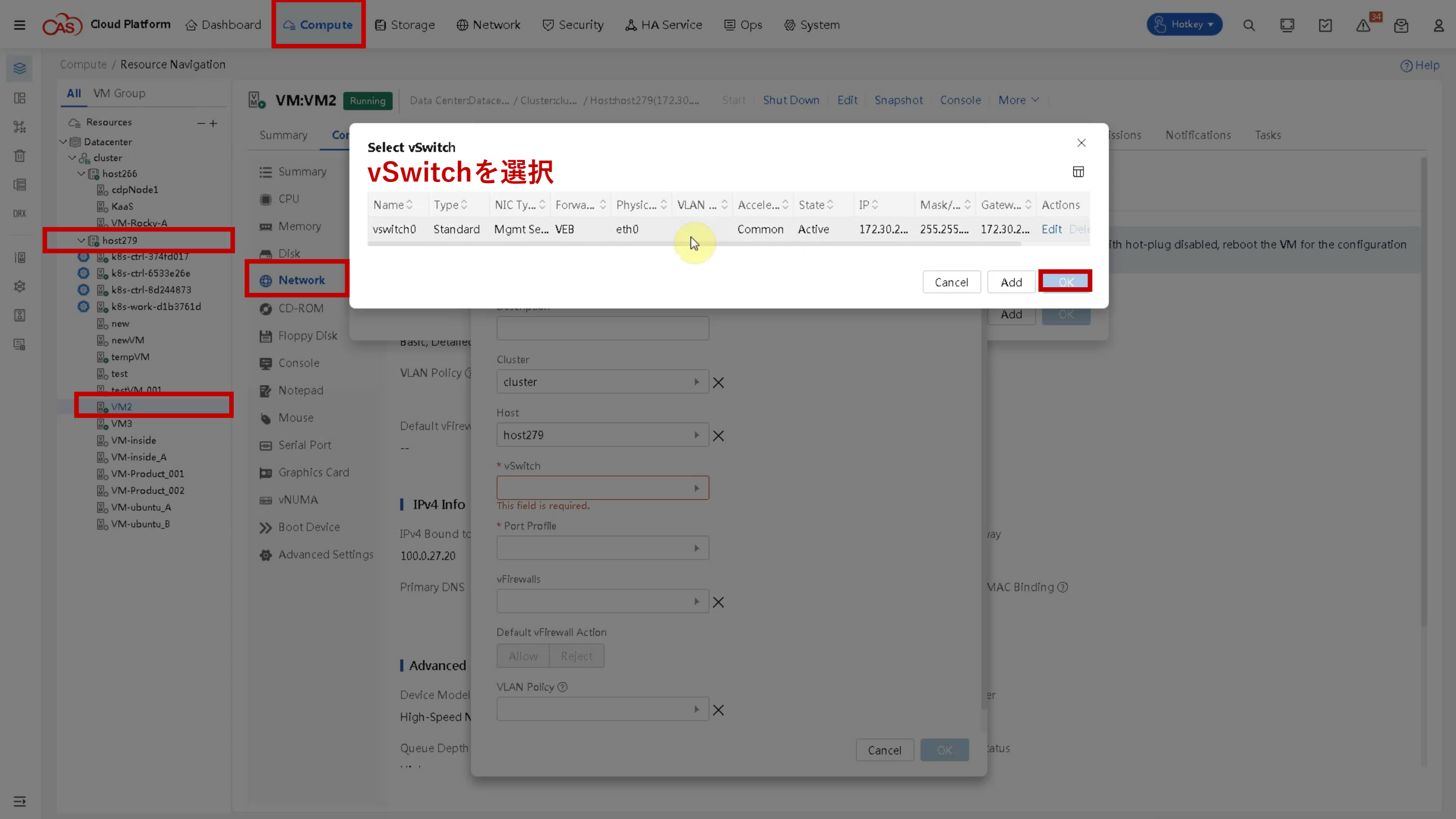
* Port Profile

vFirewalls

Default vFirewall Action

VLAN Policy ⓘ

vSwitchを選択



Select vSwitch

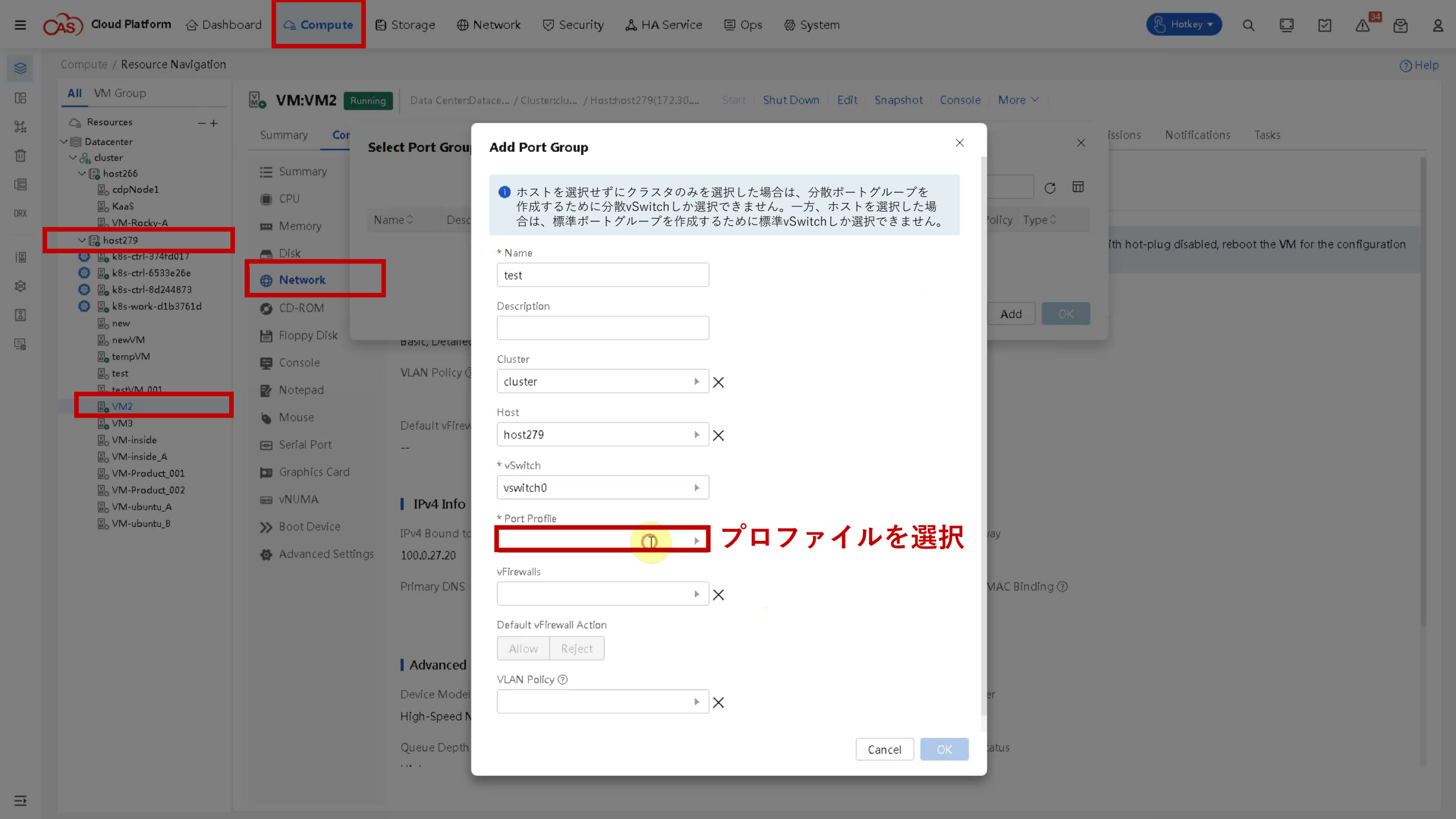
vSwitchを選択

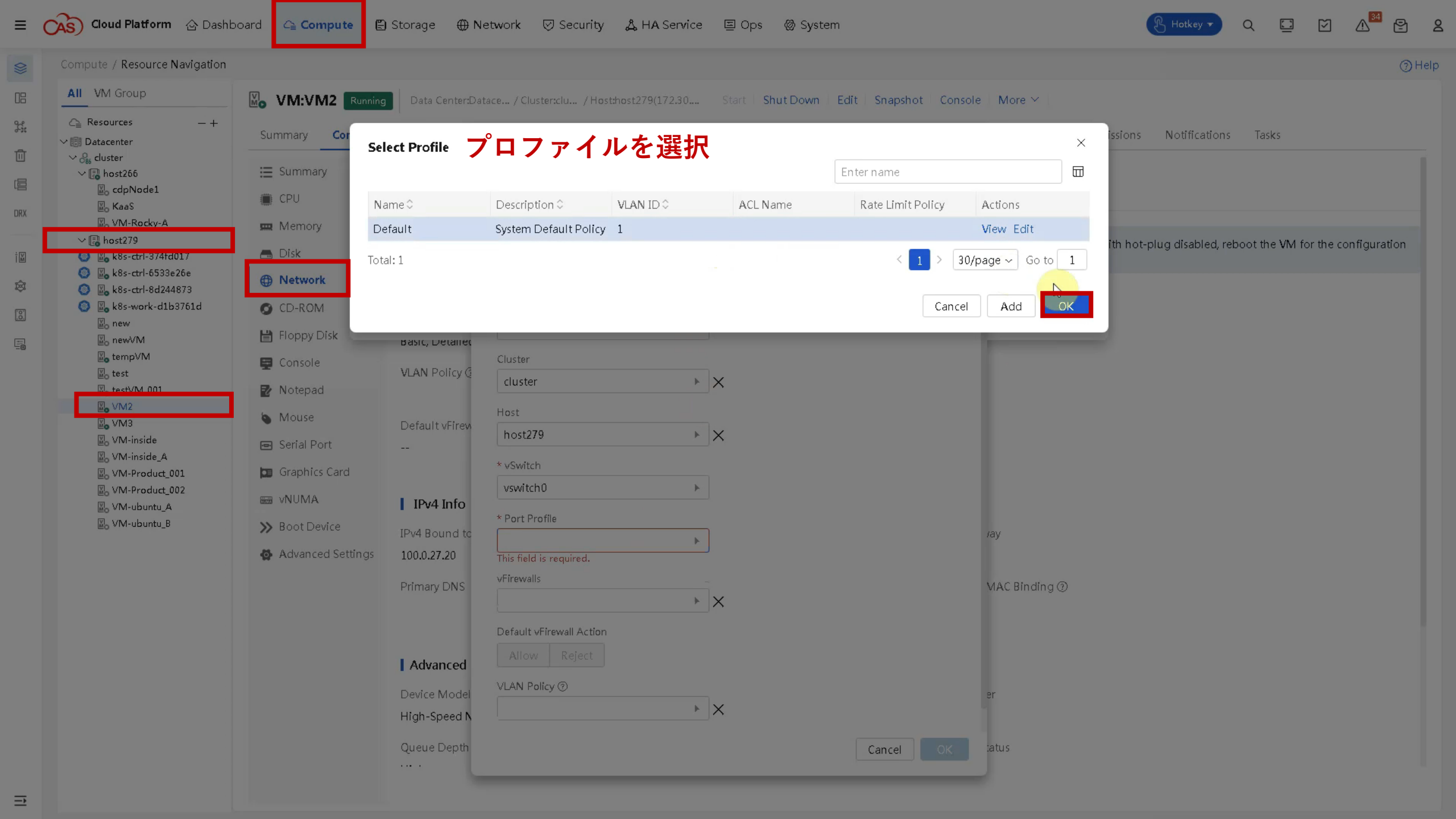
Name	Type	NIC Ty...	Forwa...	Physic...	VLAN ...	Accele...	State	IP	Mask/...	Gatew...	Actions
vswitch0	Standard	Mgmt Se...	VEB	eth0		Common	Active	172.30.2...	255.255...	172.30.2...	Edit Delete

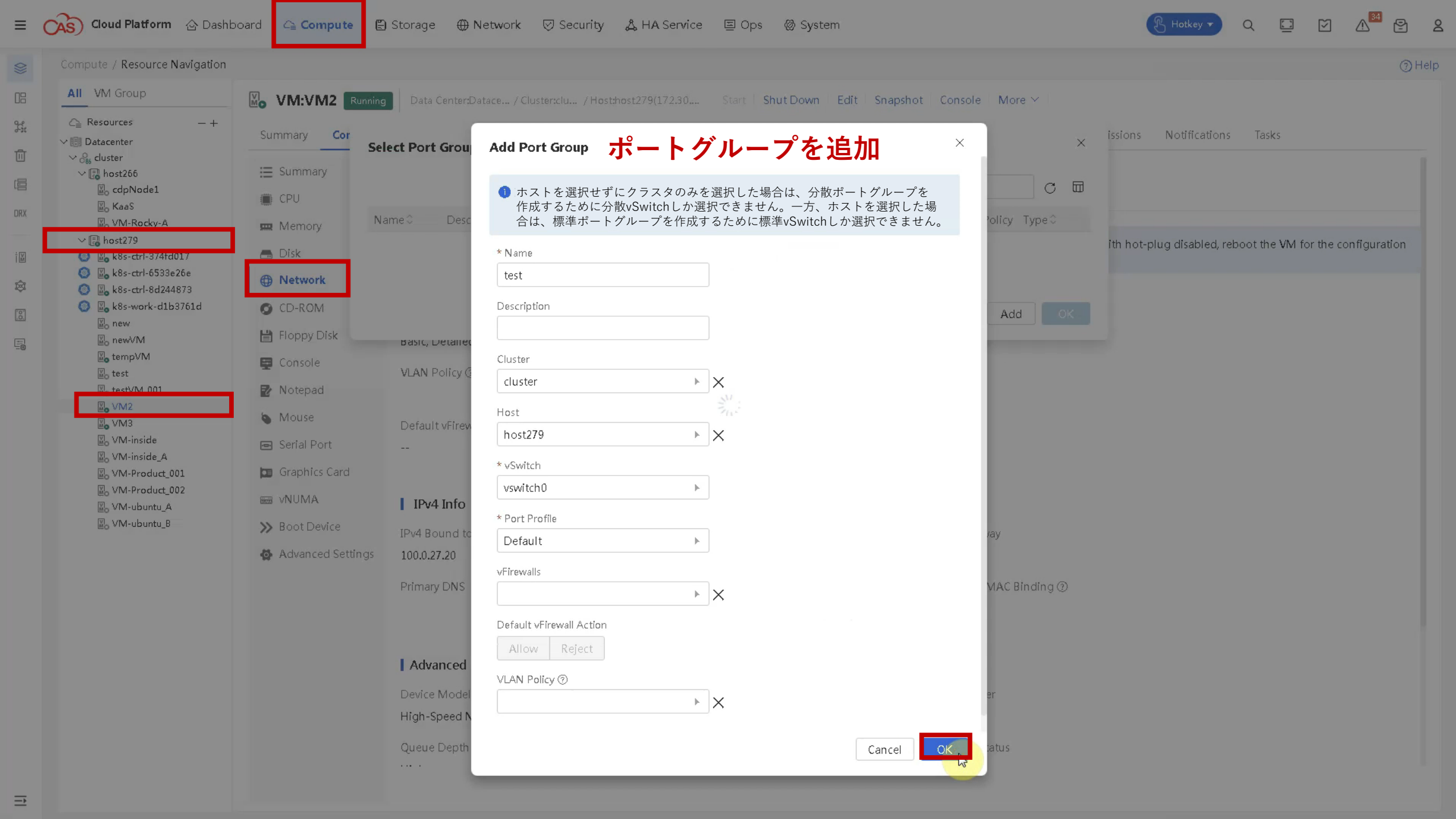
Cancel

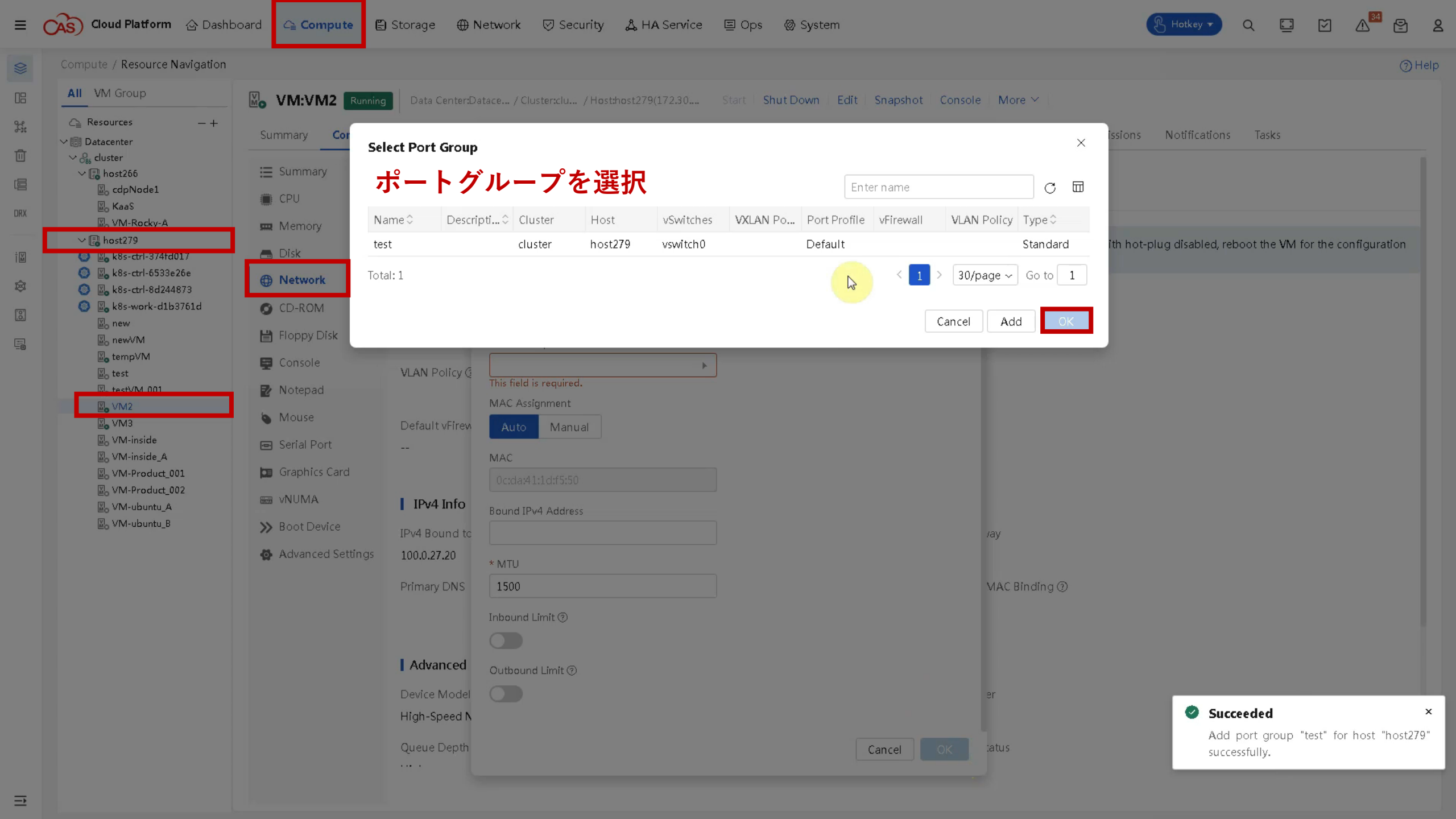
Add

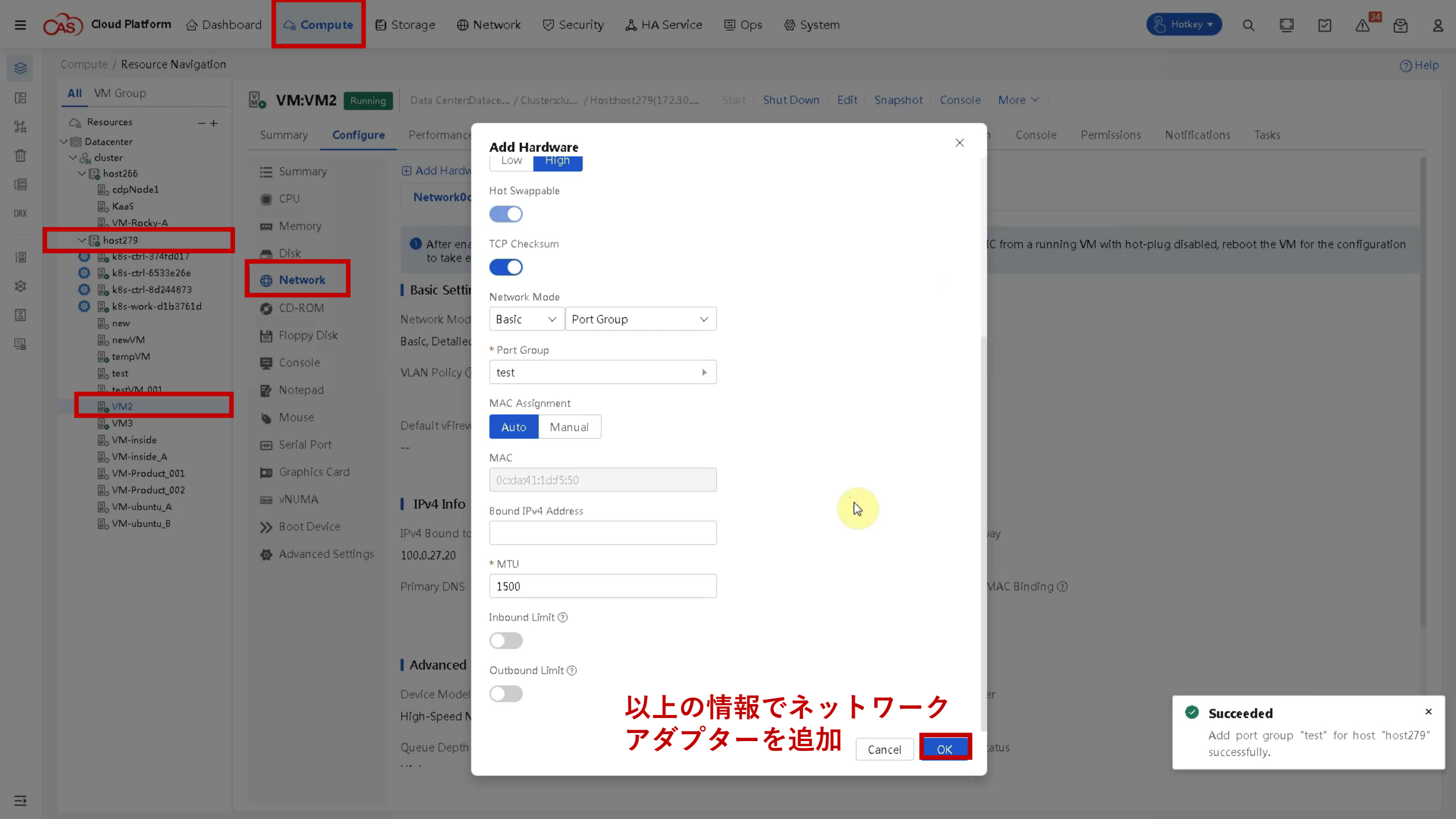
OK

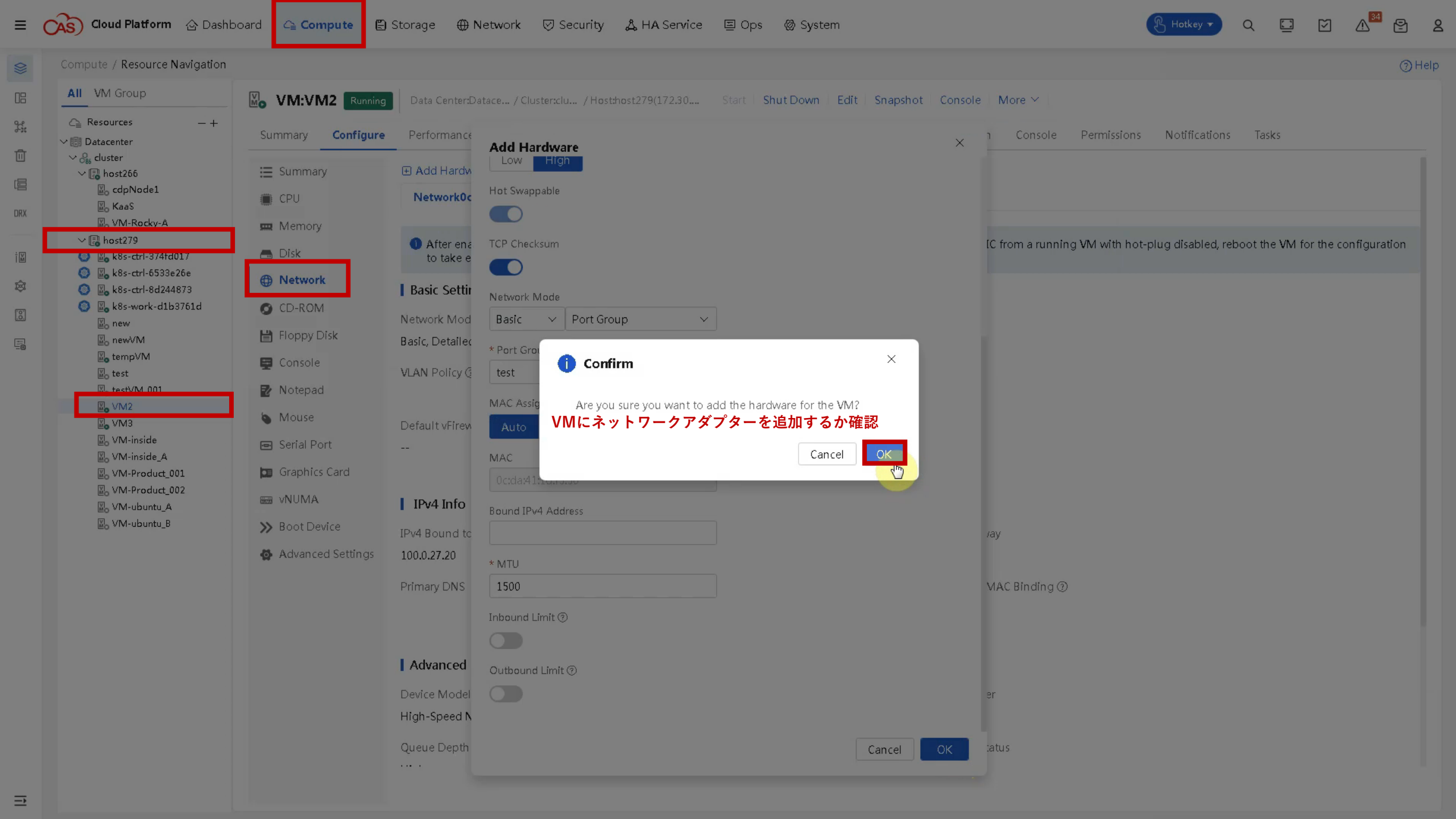












All VM Group

Resources

Datacenter

cluster

host266

cdpNode1

KaaS

VM-Rocky-A

host279

k8s-ctrl-374fd017

k8s-ctrl-6533e26e

k8s-ctrl-8d244873

k8s-work-d1b3761d

new

newVM

tempVM

test

testVM_001

VM2

VM3

VM-inside

VM-inside_A

VM-Product_001

VM-Product_002

VM-ubuntu_A

VM-ubuntu_B

VM:VM2

Running

Data Center:Data... / Cluster:clu... / Host:host279(172.30...

Start

Shut Down

Edit

Snapshot

Console

More

Summary

Configure

Performance

Summary

CPU

Memory

Disk

Network

CD-ROM

Floppy Disk

Console

Notepad

Mouse

Serial Port

Graphics Card

vNUMA

Boot Device

Advanced Settings

Add Hardware

Low High

Hot Swappable

TCP Checksum

Network Mode

Basic

Port Group

* Port Group

test

MAC Assign

Auto

MAC

0cda41...

Bound IPv4 Address

100.0.27.20

* MTU

1500

Inbound Limit

Outbound Limit

Device Model

High-Speed N

Queue Depth

...

Confirm

Are you sure you want to add the hardware for the VM?

VMにネットワークアダプターを追加するか確認

Cancel

OK

Cancel

OK

デモのシナリオ

1. テンプレートを使って仮想マシンを作成します
2. **仮想マシンの管理機能を紹介します**
 - 2.1. 仮想マシンの追加(hot add)機能を紹介します
 - 2.2. **仮想マシンのコンソールアクセスを紹介します**
 - 2.3. 仮想マシンのスナップショットの作成とリストアーを紹介します
 - 2.4. PINGを継続中にライブのマイグレーションを行います。

※VM3からVM2へpingを続ける

VM2を他のサーバー(host279)へマイグレート(移動)させる
移動中もVM2はpingに応え続けます

☰

CAS

Cloud Platform

Dashboard

Compute

Storage

Network

Security

HA Service

Ops

System

Hotkey

🔍

📄

📧

🚨

📧

👤

Compute / Resource Navigation

All VM Group

Resources

Datacenter

cluster

host266

cdpNode1

KaaS

VM-Rocky-A

host279

k8s-ctrl-374fd017

k8s-ctrl-6533e26e

k8s-ctrl-8d244873

k8s-work-d1b3761d

new

newVM

tempVM

test

testVM_001

VM2

VM3

VM-inside

VM-inside_A

VM-Product_001

VM-Product_002

VM-ubuntu_A

VM-ubuntu_B

VM:VM2

Running

VM2が稼働状態であることが分かる

Summary

Configure

Performance Monitor

Process Monitor

Backup Management

Migration History

Task Orchestration

Console

Permissions

Notifications

Tasks

Summary

CPU

Memory

Disk

Network

CD-ROM

Floppy Disk

Console

Notepad

Mouse

Serial Port

Graphics Card

vNUMA

Boot Device

Advanced Settings

Add Hardware

Delete Hardware

Edit

Network0c:da:41:1d:22:30

Network0c:da:41:1d:f5:50

After enabling or disabling hot-plug, reboot the VM for the configuration to take effect. After you remove a NIC from a running VM with hot-plug disabled, reboot the VM for the configuration to take effect.

Basic Settings

Network Mode

Basic, Detailed Network Settings

VLAN Policy

Default vFirewall Action

IPv4 Info

IPv4 Bound to the NIC

100.0.27.20

Primary DNS

Device Model

High-Speed NIC

Queue Depth

vSwitch

vstor

MAC

0c:da:41:1d:22:30

Distributed Firewall

Manually Specify

DHCP

Subnet Mask

255.255.0.0

Backup DNS

Fast Forwarding

On

Hot Swappable

Profile

Default

vFirewalls

Queue Number

1

Connection Status

Cloud Platform

Dashboard

Compute

Storage

Network

Security

HA Service

Ops

System

Hotkey

Compute / Resource Navigation

All

VM Group

Resources

Datacenter

cluster

host266

cdpNode1

KaaS

VM-Rocky-A

host279

k8s-ctrl-374fd017

k8s-ctrl-6533e26e

k8s-ctrl-8d244873

k8s-work-d1b3761d

new

newVM

tempVM

test

testVM_001

VM2

VM3

VM-inside

VM-inside_A

VM-Product_001

VM-Product_002

VM-ubuntu_A

VM-ubuntu_B

VM2 | VNC - Google Chrome

172.30.27.9/vnc.html?vmId=34&title=VM2

V

Start

Shut Down

Power Off

Send Keys

Virtual Drive

Disconnect

Refresh

Full Screen

Applications

Places

Terminal

root@localhost:~

File Edit View Search Terminal Help

link/ether 0c:da:41:1d:22:30 brd ff:ff:ff:ff:ff:ff

3: virbr0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN mode DEFAULT group default qlen 1000

link/ether 52:54:00:86:ff:2b brd ff:ff:ff:ff:ff:ff

4: virbr0-nic: <BROADCAST,MULTICAST> mtu 1500 qdisc fq_codel master virbr0 DOWN mode DEFAULT group default qlen 1000

link/ether 52:54:00:86:ff:2b brd ff:ff:ff:ff:ff:ff

[root@localhost ~]# ip link

1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN mode DOWN group default qlen 1000

link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00

2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP mode DEFAULT group default qlen 1000

link/ether 0c:da:41:1d:22:30 brd ff:ff:ff:ff:ff:ff

3: virbr0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN mode DEFAULT group default qlen 1000

link/ether 52:54:00:86:ff:2b brd ff:ff:ff:ff:ff:ff

4: virbr0-nic: <BROADCAST,MULTICAST> mtu 1500 qdisc fq_codel master virbr0 DOWN mode DEFAULT group default qlen 1000

link/ether 52:54:00:86:ff:2b brd ff:ff:ff:ff:ff:ff

5: eth1: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP mode DEFAULT group default qlen 1000

link/ether 0c:da:41:1d:f5:50 brd ff:ff:ff:ff:ff:ff

[root@localhost ~]#

Snapshot

Console

More

Task Orchestration

Console

Permissions

Notifications

Tasks

Profile

Default

vFirewalls

Default Gateway

IPv4 Address-MAC Binding

Advanced Settings

Device Model

High-Speed NIC

Queue Depth

Fast Forwarding

On

Hot Swappable

Queue Number

1

Connection Status

ネットワークアダプターは追加(hot add)して4から5

15:12

2026/5/25

☐

Compute / Resource Navigation

All VM Group

Resources

DataCenter

Cluster-920P02-X86-NingOS

cvk34

centos9-ycf-kernel-5.14-...

cvk-E0920P03

CVM-920P03-1

CVM-920P03-2

CVM-E0920P03

CVM-E0920P03-role

def004_002

def test 001

DSM

test

VM: def_test_001

Running

Data Center:D... / Cluster:Cluster-920P02-... / Host:cvk34(55...

Start

Shut Down

Edit

Snapshot

Console

More

Summary

Configure

Performance Monitor

Process Monitor

Backup Management

Migration History

Task Orchestration

Console

Permissions

Notifications

Ti >

Real-Time

🔄

VMパフォーマンスモニタリング情報を表示する

Export Raw Data

CPU Usage

100

80

60

40

20

0

09:36:50 09:40:20 09:43:50 09:47:20 09:50:50 09:54:20 09:57:50 10:01:20 10:04:50

Memory Usage

100

80

60

40

20

0

09:36:50 09:40:20 09:43:50 09:47:20 09:50:50 09:54:20 09:57:50 10:01:20 10:04:50

CPU Frequency (MHz)

800

600

400

200

0

09:36:50 09:40:20 09:43:50 09:47:20 09:50:50 09:54:20 09:57:50 10:01:20 10:04:50

Shared Memory(MB)

18

15

12

9

6

3

0

09:36:50 09:40:20 09:43:50 09:47:20 09:50:50 09:54:20 09:57:50 10:01:20 10:04:50

CPU Ready Time (Ratio)

100

80

0

09:36:50 09:40:20 09:43:50 09:47:20 09:50:50 09:54:20 09:57:50 10:01:20 10:04:50

Swap Memory(MB)

1

0.8

0

09:36:50 09:40:20 09:43:50 09:47:20 09:50:50 09:54:20 09:57:50 10:01:20 10:04:50

Compute / Resource Navigation

All VM Group

Resources

DataCenter

Cluster-920P02-X86-NingOS

cvk34

centos9-ycf-kernel-5.14-...

cvk-E0920P03

CVM-920P03-1

CVM-920P03-2

CVM-E0920P03

CVM-E0920P03-role

def004_002

def_test_001

DSM

test

VM: def_test_001

Running

Data Center:D... / Cluster:Cluster-920P02-... / Host:cvk34(55...

Start

Shut Down

Edit

Snapshot

Console

More

Summary

Configure

Performance Monitor

Process Monitor

Backup Management

Migration History

Task Orchestration

Console

Permissions

Notifications

Ti >

VMパフォーマンスモニタリング情報を表示する

CPU Ready Time (ms)

0.8

0.6

0.4

0.2

0

09:36:50 09:40:20 09:43:50 09:47:20 09:50:50 09:54:20 09:57:50 10:01:20 10:04:50

Bloated Memory(MB)

1

0.8

0.6

0.4

0.2

0

09:36:50 09:40:20 09:43:50 09:47:20 09:50:50 09:54:20 09:57:50 10:01:20 10:04:50

I/O Throughput (KBps)

vda

vda-Read vda-Write

25

20

15

10

5

0

09:36:50 09:40:20 09:43:50 09:47:20 09:50:50 09:54:20 09:57:50 10:01:20 10:04:50

Network Throughput (Mbps)

0c:da:41:1d:1a:24

0c:da:41:1d:1a:24-Receive 0c:da:41:1d:1a:24-Send

1

0.8

0.6

0.4

0.2

0

09:36:50 09:40:20 09:43:50 09:47:20 09:50:50 09:54:20 09:57:50 10:01:20 10:04:50

Compute / Resource Navigation

All VM Group

Resources

DataCenter

Cluster-920P02-X86-NingOS

cvk34

centos9-ycf-kernel-5.14-...

cvk-E0920P03

CVM-920P03-1

CVM-920P03-2

CVM-E0920P03

CVM-E0920P03-role

def004_002

def_test_001

DSM

test

VM: def_test_001

Running

Data Center:D... / Cluster:Cluster-920P02-... / Host:cvk34(55...

Start

Shut Down

Edit

Snapshot

Console

More

Summary

Configure

Performance Monitor

Process Monitor

Backup Management

Migration History

Task Orchestration

Console

Permissions

Notifications

Ti

VMパフォーマンスモニタリング情報を表示する

50

40

30

20

10

0

09:36:50

09:40:20

09:43:50

09:47:20

09:50:50

09:54:20

09:57:50

10:01:20

10:04:50

2

1.5

1

0.5

0

09:36:50

09:40:20

09:43:50

09:47:20

09:50:50

09:54:20

09:57:50

10:01:20

10:04:50

Connections

1

0.8

0.6

0.4

0.2

0

09:36:50

09:40:20

09:43:50

09:47:20

09:50:50

09:54:20

09:57:50

10:01:20

10:04:50

Disk Usage

100

80

60

40

20

0

09:36:50

09:40:20

09:43:50

09:47:20

09:50:50

09:54:20

09:57:50

10:01:20

10:04:50

vda

Partition Usage

Partition	Size(GB)	Used(GB)	Usage(%)
/dev/mapper/centos-...	17.46	4.93	28
/dev/vda1	0.48	0.16	32

Usage

35

30

25

20

15

10

5

0

09:36:50

09:40:20

09:43:50

09:47:20

09:50:50

09:54:20

09:57:50

10:01:20

10:04:50

/dev/mapper/centos-root /dev/vda1

Compute / Resource Navigation

All VM Group

Resources

DataCenter

Cluster-920P02-X86-NingOS

cvk34

centos9-ycf-kernel-5.14-...

cvk-E0920P03

CVM-920P03-1

CVM-920P03-2

CVM-E0920P03

CVM-E0920P03-role

def004_002

def_test_001

DSM

test

VM: def_test_001 Running

Data Center:D... / Cluster:Cluster-920P02-... / Host:cvk34(55...

Start Shut Down Edit Snapshot Console More

Summary Configure Performance Monitor Process Monitor Backup Management Migration History Task Orchestration Console Permissions Notifications Te

VMプロセスモニタリング情報を表示する

Username	PID	Process Name	CPU Usage (%)	Memory Usage (%)	Used Memory (KB)
gdm	2802	gnome-shell	0.00%	7.21%	134668
root	951	firewalld	0.00%	1.25%	23328
gdm	2782	gnome-settings-	0.00%	1.16%	21704
polkitd	966	polkitd	0.00%	1.12%	20968
root	1455	libvirtd	0.00%	1.10%	20496
gdm	2870	goa-daemon	0.00%	1.08%	20120
root	1398	tuned	0.00%	0.98%	18288
root	2025	Xorg	0.00%	0.94%	17620
gdm	2846	ibus-x11	0.00%	0.50%	9272
gdm	2854	caribou	0.00%	0.49%	9212
gdm	2756	gnome-session	0.00%	0.47%	8832
root	1	systemd	0.00%	0.46%	8644
gdm	2966	goa-identity-se	0.00%	0.43%	8052
gdm	2839	ibus-daemon	0.00%	0.40%	7552
gdm	2852	mission-control	0.00%	0.38%	7008
root	2880	udisksd	0.00%	0.37%	6864
root	897	rsyslogd	0.00%	0.34%	6324
root	2790	upowerd	0.00%	0.32%	5952
colord	2803	colord	0.00%	0.31%	5864
root	739	systemd-journal	0.00%	0.31%	5848

Compute / Resource Navigation

All VM Group

Resources

DataCenter

Cluster-920P02-X86-NingOS

cvk34

centos9-ycf-kernel-5.14-...

cvk-E0920P03

CVM-920P03-1

CVM-920P03-2

CVM-E0920P03

CVM-E0920P03-role

def004_002

def_test_001

DSM

test

VM: def_test_001 Running

Data Center:D... / Cluster:Cluster-920P02-... / Host:cvk34(55...

Start

Shut Down

Edit

Snapshot

Console

More

Summary

Configure

Performance Monitor

Process Monitor

Backup Management

Migration History

Task Orchestration

Console

Permissions

Notifications

Ti

Back Up Now

Import

Delete

Backup Policies

Start Time

End Time

By Time

Backup Time Span: --

Backup File	Created At	Backup Type	Backup Directory	Size	Type	Storage Path	CBT Backup	Actions
No Data								

Total: 0

<< < 1 / 0 > >> 10/page

VMをバックアップしたり、バックアップ履歴を表示します

Compute / Resource Navigation

All VM Group

Resources

DataCenter

Cluster-920P02-X86-NingOS

cvk34

centos9-ycf-kernel-5.14-...

cvk-E0920P03

CVM-920P03-1

CVM-920P03-2

CVM-E0920P03

CVM-E0920P03-role

def004_002

def_test_001

DSM

test

VM: def_test_001 Running

Data Center:D... / Cluster:Cluster-920P02-... / Host:cvk34(55...

Start Shut Down Edit Snapshot Console More

Summary Configure Performance Monitor Process Monitor Backup Management Migration History Task Orchestration Console Permissions Notifications

Start:cvk34 -> Current:cvk34

2026-05-21 09:41:10 ~ 2026-05-21 09:41:10

Deploy cvk34 55.99.1.34

VMのマイグレーション履歴を表示する

Compute / Resource Navigation

All VM Group

Resources

DataCenter

Cluster-920P02-X86-NingOS

cvk34

centos9-ycf-kernel-5.14-...

cvk-E0920P03

CVM-920P03-1

CVM-920P03-2

CVM-E0920P03

CVM-E0920P03-role

def004_002

def_test_001

DSM

test

VM: def_test_001 Running

Data Center:D... / Cluster:Cluster-920P02-... / Host:cvk34(55...

Start

Shut Down

Edit

Snapshot

Console

More

Summary

Configure

Performance Monitor

Process Monitor

Backup Management

Migration History

Task Orchestration

Console

Permissions

Notifications

Ti

Task Type VM Migration Task Orchestration Task State All Please enter task name

Task Name	Task Description	Migration Type	Start Time	Actual Start Ti...	End Time	Actual End Time	Max V...	Task State	Migration Status(Succeed...
No Data									

Total: 0

1

30/page

Go to 1

VMマイグレーションタスクを指揮する

Compute / Resource Navigation

All VM Group

Resources

DataCenter

Cluster-920P02-X86-NingOS

cvk34

centos9-ycf-kernel-5.14-...

cvk-E0920P03

CVM-920P03-1

CVM-920P03-2

CVM-E0920P03

CVM-E0920P03-role

def004_002

def_test_001

DSM

test

VM: def_test_001

Running

Data Center:D... / Cluster:Cluster-920P02-... / Host:cvk34(55...

Start

Shut Down

Edit

Snapshot

Console

More

Summary

Configure

Performance Monitor

Process Monitor

Backup Management

Migration History

Task Orchestration

Console

Permissions

Notifications

Ta

Console

Console Logs

UUID	a9a5c67f-3659-4767-b10e-7b3fbd79ce10
VM State	Running
Host IP	cvk34 【55.99.1.34】
IPv4 Port	5902
IPv6 Port	5903
Remote Console	Java Webpage

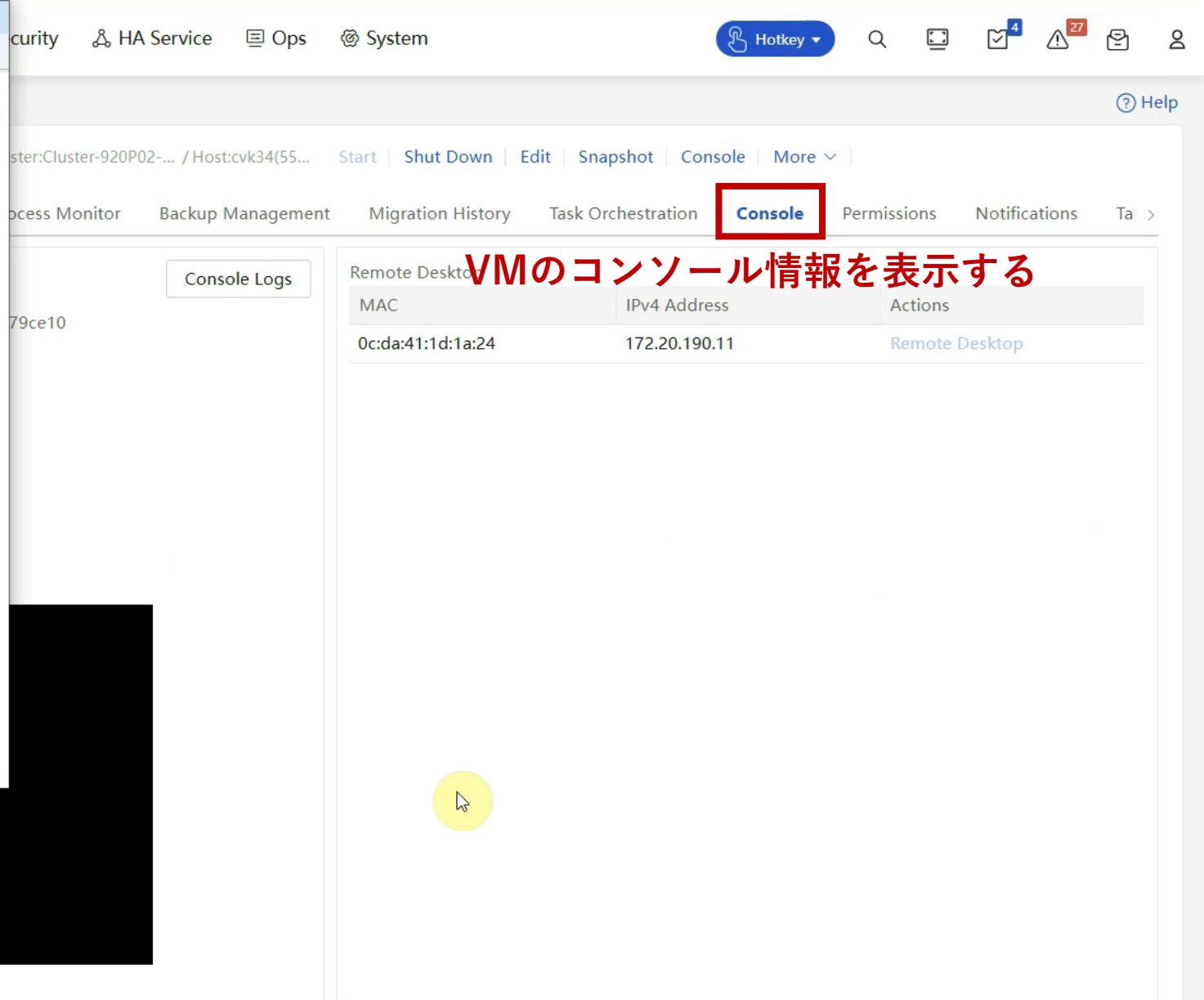
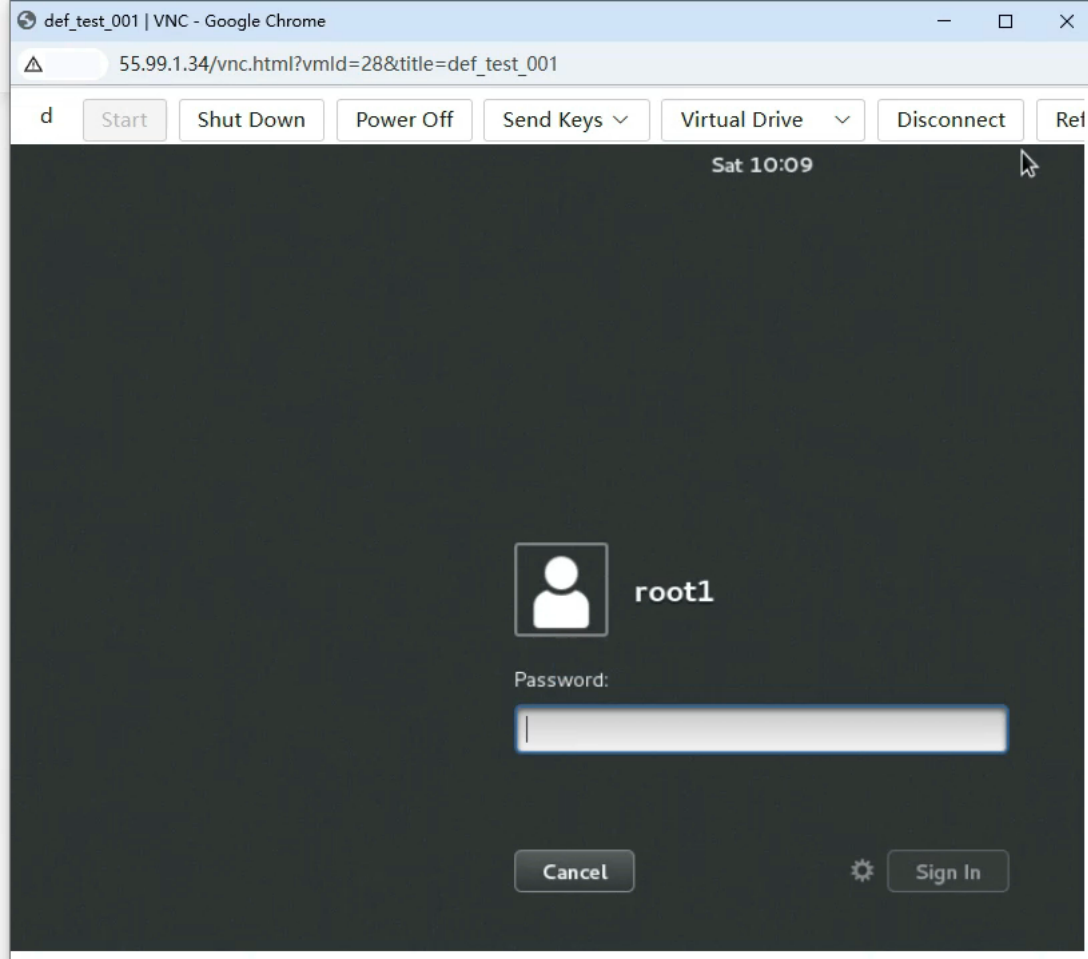
Remote Desktop

MAC	IPv4 Address	Actions
0c:da:41:1d:1a:24	172.20.190.11	Remote Desktop

VMのコンソール情報を表示する

Remote Desktop

VMのコンソール情報を表示する



VMのコンソール情報を表示する

Resources - +

Cluster-920P02-X86-NingOS

cvk34

centos9-ycf-kernel-5.14-...

cvk-E0920P03

CVM-920P03-1

CVM-920P03-2

CVM-E0920P03

 CVM-E0920P03-role

def004 002

```
def test 001
```



templateTestVM

test

Data Center:D... / Cluster:Cluster-920P02-... / Host:cvk34(55... [Start](#) [Shut Down](#) [Edit](#) [Snapshot](#) [Console](#) [More](#) 

Configure

Performance Monitor

Process Monitor

Backup Management

Migration History

Task Orchestration

Console

Permissions

Notifications

Tasks

[+ Add Permissions](#) | [Remove](#)

☐	Operator/Operator Group	Category	Scope	Actions
☐	admin	Operator	Global	Edit Remove
☐	Security Auditor Group	Operator Group	Global	Edit Remove
☐	System Administrator Group	Operator Group	This Object	Edit Remove

Total: 3

Compute / Resource Navigation

All VM Group

Resources

DataCenter

Cluster-920P02-X86-NingOS

cvk34

centos9-ycf-kernel-5.14-...

cvk-E0920P03

CVM-920P03-1

CVM-920P03-2

CVM-E0920P03

CVM-E0920P03-role

def004_002

def_test_001

DSM

templateTestVM

test

VM:templateTestVM

Running

Data Center:D... / Cluster:Cluster-920P02-... / Host:cvk34(55...

Start

Shut Down

Edit

Snapshot

Console

More

Summary

Configure

Performance Monitor

Process Monitor

Backup Management

Migration History

Task Orchestration

Console

Permissions

Notifications

Tasks

Add Permissions

Remove

権限を管理する

	Operator/Operator Group	Category	Scope	Actions
☐	admin	Operator	Global	Edit Remove
☐	Security Auditor Group	Operator Group	Global	Edit Remove
☐	System Administrator Group	Operator Group	This Object	Edit Remove

Total: 3

< 1 >

30/page

Go to 1

Compute / Resource Navigation

All VM Group

Resources

DataCenter

Cluster-920P02-X86-NingOS

cvk34

centos9-ycf-kernel-5.14-...

cvk-E0920P03

CVM-920P03-1

CVM-920P03-2

CVM-E0920P03

CVM-E0920P03-role

def004_002

def_test_001

DSM

templateTestVM

test

VM:templateTestVM Running

Data Center:D... / Cluster:Cluster-920P02-... / Host:cvk34(55...

Start Shut Down Edit Snapshot Console More

Summary Configure Performance Monitor Process Monitor Backup Management Migration History Task Orchestration Console Permissions Notifications Tasks

State: Unacknowledged Severity: All Type: All Types

Contents: Start Time: End Time:

Filter Reset

☒ Acknowledge ☐ Delete ☐ Clear ☐ Alarm Thresholds

Refresh Interval 10 Sec...

☐	Seve...	State	Source	Type	Contents	Last Triggered At	First Triggered At	Alarm Co...	Acti...
No Data									

VMの操作ログを表示する

Compute / Resource Navigation

All VM Group

Resources

DataCenter

Cluster-920P02-X86-NingOS

cvk34

centos9-ycf-kernel-5.14-...

cvk-E0920P03

CVM-920P03-1

CVM-920P03-2

CVM-E0920P03

CVM-E0920P03-role

def004_002

def_test_001

DSM

templateTestVM

test

VM:templateTestVM

Running

Data Center:D... / Cluster:Cluster-920P02-... / Host:cvk34(55...

Start

Shut Down

Edit

Snapshot

Console

More

Summary

Configure

Performance Monitor

Process Monitor

Backup Management

Migration History

Task Orchestration

Console

Permissions

Notifications

Tasks

Login Name

Operator N...

Start Time

Completed At

Login Addre...

Description

Result

Action

Risk Level

VMのアラームを管理する

Filter

Reset

Collapse^

Clear

🔄

🗑️

Login Name◇	Operator N...◇	Start Time◇	Completed...◇	Login Addr...◇	Action Type◇	Target◇	Description	Result◇	Risk Level◇	Reason	Action◇
admin	Super Admini...	2026-05-23 1...	2026-05-23 1...	10.31.192.155	VM Action	templateTest...	Start VM "te...	● Succeeded	Low		Start
admin	Super Admini...	2026-05-23 1...	2026-05-23 1...	10.31.192.155	VM Action	templateTest...	Deploy VM "t...	● Succeeded	Medium		Deploy

Total: 2

< 1 >

30/page

Go to 1

デモのシナリオ

1. テンプレートを使って仮想マシンを作成します
2. **仮想マシンの管理機能を紹介します**
 - 2.1. 仮想マシンの追加(hot add)機能を紹介します
 - 2.2. 仮想マシンのコンソールアクセスを紹介します
 - 2.3. **仮想マシンのスナップショットの作成とリストアーを紹介します**
 - 2.4. PINGを継続中にライブのマイグレーションを行います。

※VM3からVM2へpingを続ける

VM2を他のサーバー(host279)へマイグレート(移動)させる
移動中もVM2はpingに応え続けます

CAS

Cloud Platform

Dashboard

Compute

Storage

Network

Security

HA Service

Ops

System

Hotkey

Compute / Resource Navigation

All VM Group

Resources

DC

cluster

host142

templateVM

vm

VM2

VM:vm

Running

Data Center:DC / Cluster:cluster / Host:host142(55.99.1.46)

Start

Shut Down

Edit

Snapshot

Console

More

Summary

Configure

Performance Monitor

Process Monitor

Backup Management

Migration History

Task Orchestration

Console

Permissions

Notifications

Ta

Summary

Add Hardware

Delete Hardware

Edit

CPU

Memory

Disk

Network

CD-ROM

Floppy Disk

Console

Notepad

Mouse

Serial Port

Graphics Card

vNUMA

Boot Device

Advanced Settings

Basic Settings

Advanced Settings

Alias

vm

HA

On

VM Group

--

Clock Type

Local Clock

Service Priority

Low

Hardware Version

5.0

VM Escape Interception

Off

Description

Time Sync

Off

I/O Priority

Medium

Blue Screen Policy

No processing

Integrity Check

Off

Auto Migration

On

CAStools Upgrade

On

Startup Priority

Default

CAStools Type

Virtio Port

Advanced NUMA Policy

Auto NUMA Balancing

現状をサマリーで確認

Cloud Platform

Dashboard

Compute

Storage

Network

Security

HA Service

Ops

System

Hotkey

Compute / Resource Navigation

All VM Group

Resources

DC

cluster

host142

templateVM

vm

VM2

VM:vm

Running

Data Center:DC / Cluster:cluster / Host:host142(55.99.1.46)

Start

Shut Down

Edit

Snapshot

Console

More

Summary

Configure

Performance Monitor

Process Monitor

Backup Management

Migration History

Task Orchestration

Console

Permissions

Notifications

Ta

Summary

Add Hardware

Delete Hardware

Edit

CPU

Memory

Disk

Network

CD-ROM

Floppy Disk

Console

Notepad

Mouse

Serial Port

Graphics Card

vNUMA

Boot Device

Advanced Settings

Basic Settings

Advanced Settings

Current Quota

Host CPUs

CD-ROM

Floppy Disk

Architecture

Limit

Graphics Card

vNUMA

Boot Device

Advanced Settings

3

40

64 bit

--

On

CPU Cores

CPU Operating Mode

Scheduling Priority

Overall CPU Limit

Reserve

Hot Remove

Compatible

Medium

Off

0MHz

Off

CPU Cores

3

現在割り当てられているCPUの数は3です

Cloud Platform

Dashboard

Compute

Storage

Network

Security

HA Service

Ops

System

Hotkey

Compute / Resource Navigation

All VM Group

Resources

DC

cluster

host142

templateVM

vm

VM2

VM:vm

Running

Data Center:DC / Cluster:cluster / Host:host142(55.99.1.46)

Start

Shut Down

Edit

Snapshot

Console

More

スナップショットを作成します

Summary

Configure

Performance Monitor

Process Monitor

Backup Management

Migration History

Task Orchestration

Console

Permissions

Notifications

Ta

Summary

Add Hardware

Delete Hardware

Edit

CPU

Memory

Disk

Network

CD-ROM

Floppy Disk

Console

Notepad

Mouse

Serial Port

Graphics Card

vNUMA

Boot Device

Advanced Settings

Basic Settings

Advanced Settings

Current Quota

3

Host CPUs

40

Architecture

64 bit

Limit

--

Hot Add

On

CPU Cores

1

CPU Operating Mode

Compatible

Scheduling Priority

Medium

Overall CPU Limit

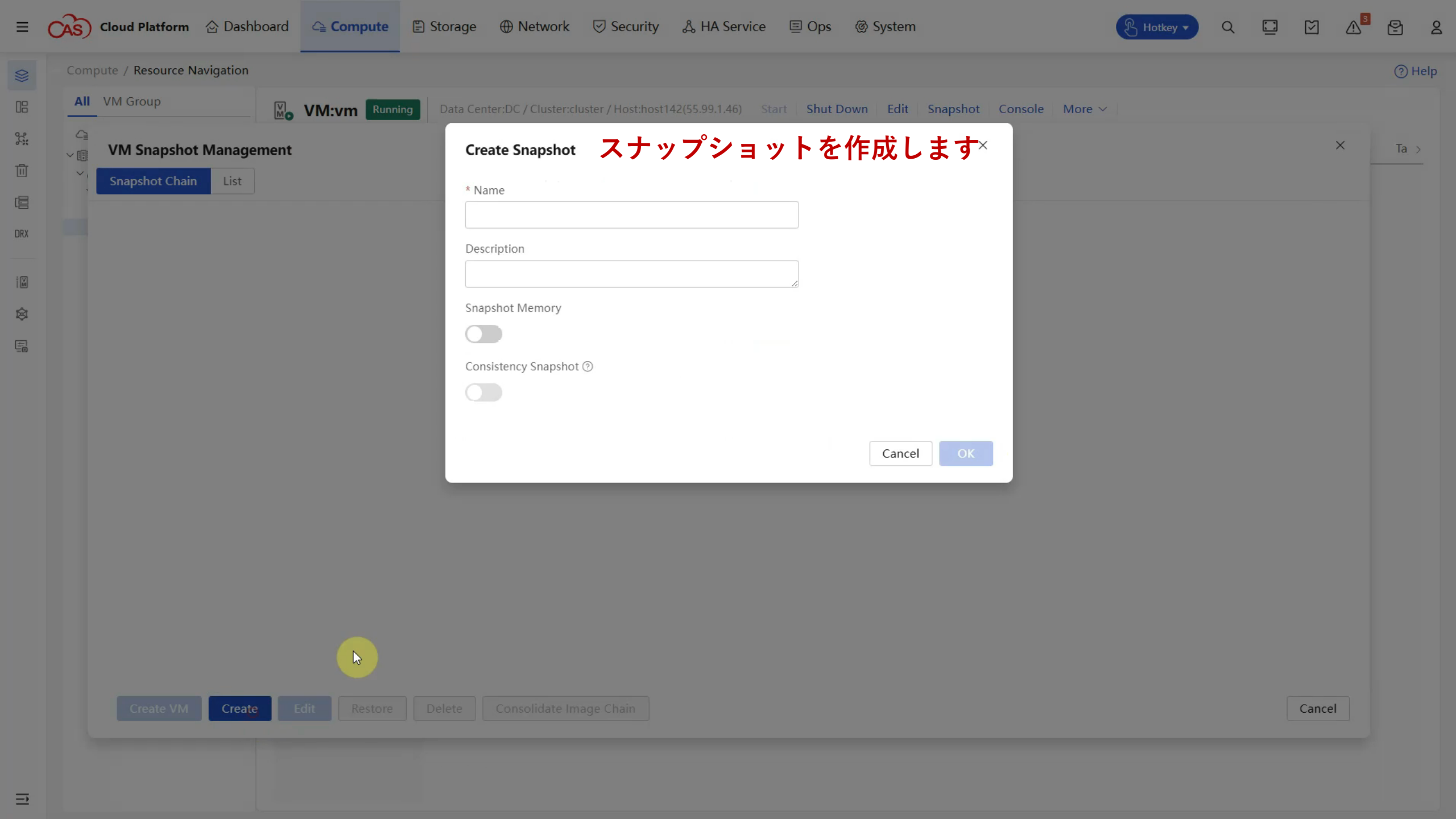
Off

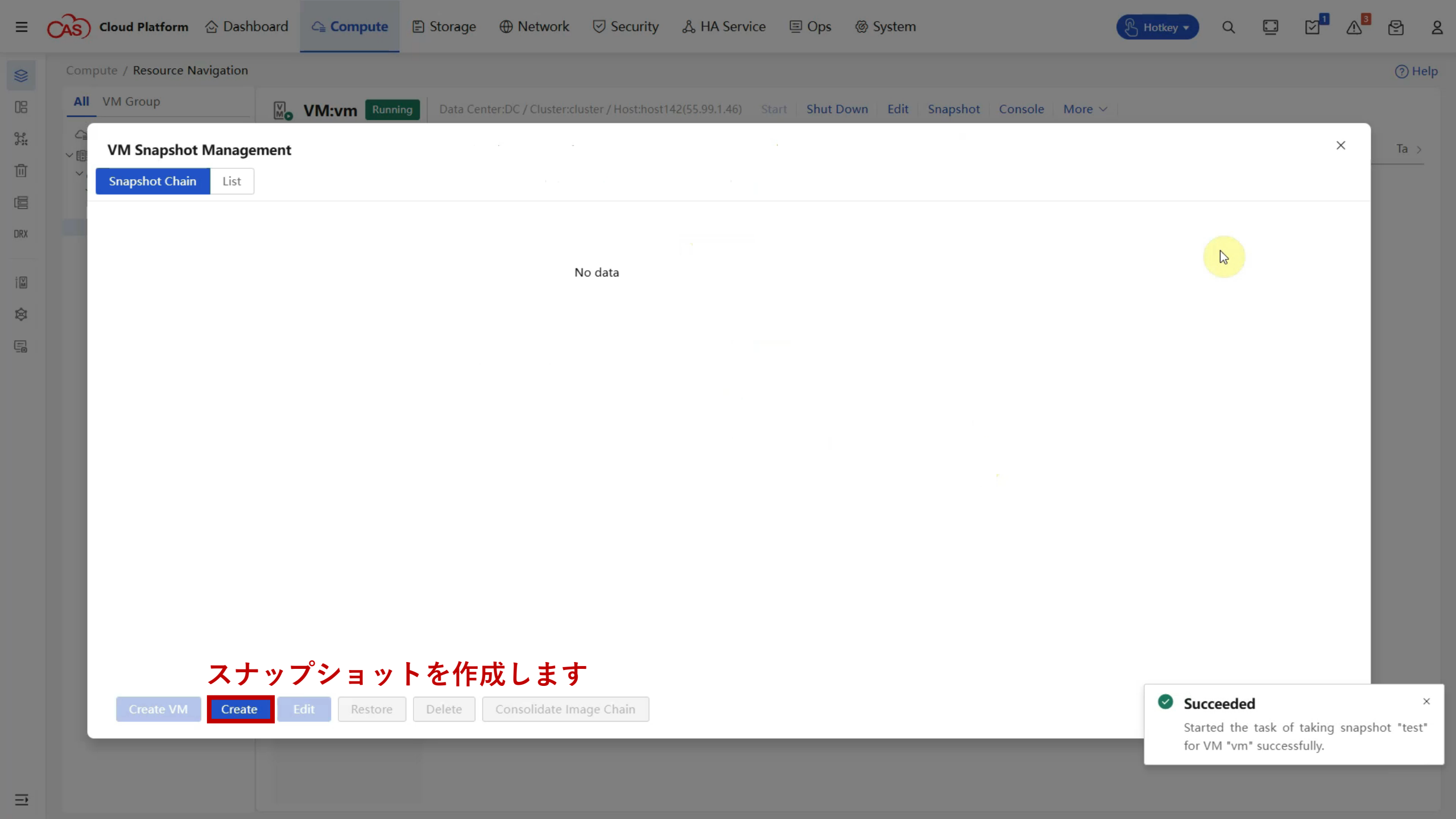
Reserve

0MHz

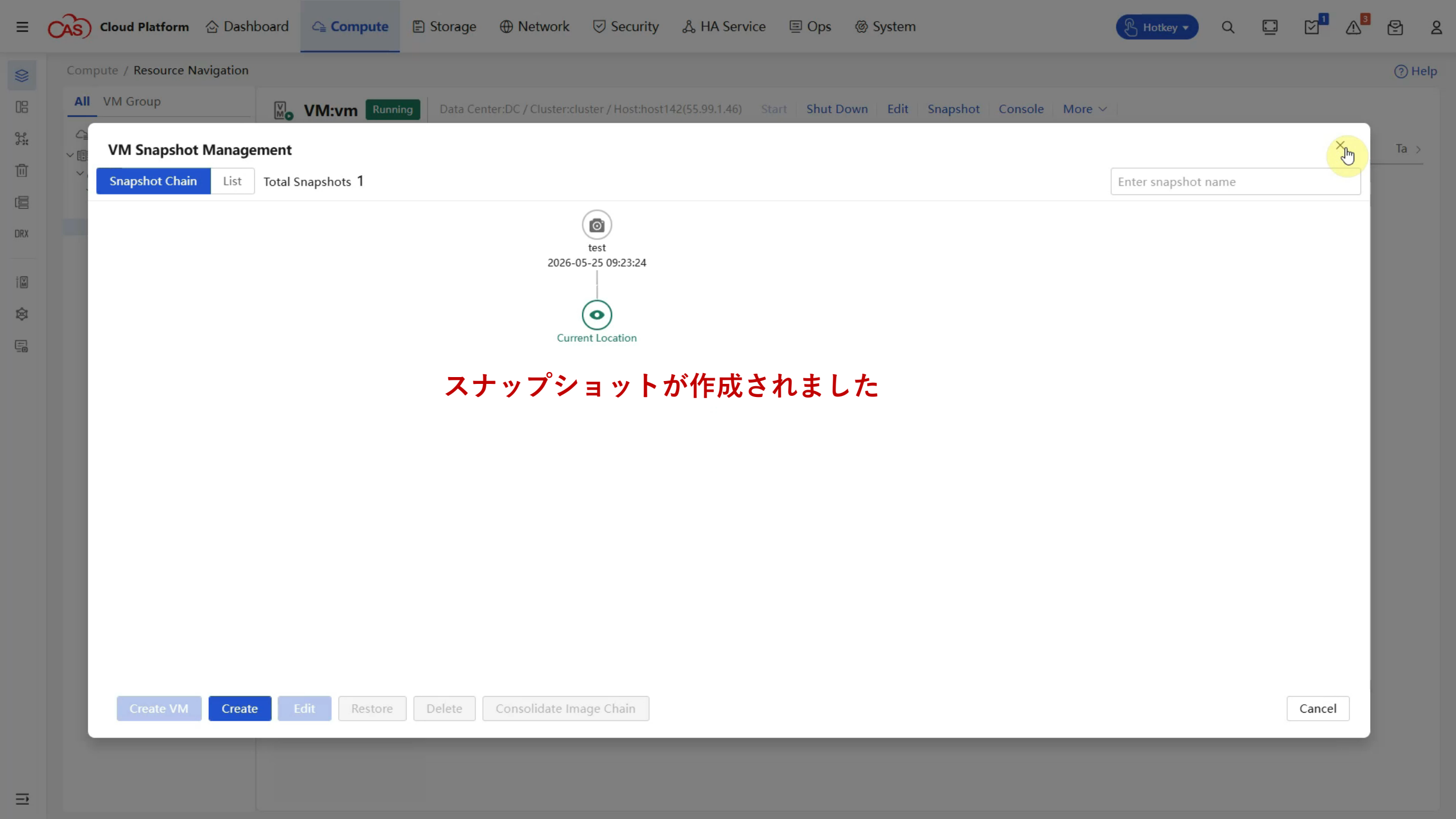
Hot Remove

Off





スナップショットを作成します



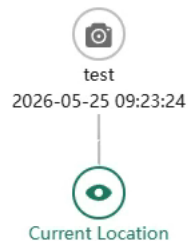
VM Snapshot Management

Snapshot Chain

List

Total Snapshots 1

Enter snapshot name



スナップショットが作成されました

Create VM

Create

Edit

Restore

Delete

Consolidate Image Chain

Cancel

CAS

Cloud Platform

Dashboard

Compute

Storage

Network

Security

HA Service

Ops

System

Hotkey

Compute / Resource Navigation

All VM Group

Resources

DC

cluster

host142

templateVM

vm

VM2

VM:vm Running

vmが稼働状態であることが分かる

Summary

Configure

Performance Monitor

Process Monitor

Backup Management

Migration History

Task Orchestration

Console

Permissions

Notifications

Ta

Summary

Add Hardware

Delete Hardware

Edit

CPU

Basic Settings

Advanced Settings

Memory

Disk

Network

CD-ROM

Floppy Disk

Console

Notepad

Mouse

Serial Port

Graphics Card

vNUMA

Boot Device

Advanced Settings

Current Quota

Host CPUs

CD-ROM

Floppy Disk

Architecture

Limit

Graphics Card

vNUMA

Boot Device

Advanced Settings

CPU

CPUs

CPU Operating Mode

Scheduling Priority

Overall CPU Limit

CPU Cores

1

Compatible

Medium

Off

Reserve

Hot Remove

0MHz

Off

Task Console

Clear Finished Tasks

Executing: 1

Pending: 0

Task Name	Target	Task State	Task Description	Task Detail	Operator	Operator IP	Start Time	Completed At	Actions
Modify VM "vm".	vm	10%	Edit CPU number 3 to 4, CPU ...		admin	10.31.192.155	2026-05-25 09:24:02		
Take external snapshot "test" ...	vm	Succeeded	Take external snapshot "test" ...		admin	10.31.192.155	2026-05-25 09:23:19	2026-05-25 09:23:19	

Succeeded

Started the task of editing VM "vm" successfully.

Cloud Platform

Dashboard

Compute

Storage

Network

Security

HA Service

Ops

System

Hotkey

Compute / Resource Navigation

All VM Group

Resources

DC

cluster

host142

templateVM

vm

VM2

VM:vm Running

vmが稼働状態であることが分かる

Snapshot

Configure

Summary

CPU

Memory

Disk

Network

CD-ROM

Floppy Disk

Console

Notepad

Mouse

Serial Port

Graphics Card

vNUMA

Add Hardware

Delete Hardware

VMが実行中または一時停止状態にある場合、以下の設定を変更した後にVMを再起動してください：CPU数（VMがCPUホットアドをサポートしている場合のCPU拡張を除く）、CPU動作モード、物理CPUへのバインド、およびCPUリソース予約。

Basic Settings

Current Quota4

Host CPUs40

* CPUs4

CPU Cores1

CPU Operating Mode

Compatible

Host Model

Host Passthrough

Advanced Settings

Architecture

64 bit

32 bit

Scheduling Priority

Low

Medium

High

* Reserve

0

MHz

Limit

MHz

Overall CPU Limit

Hot Remove

Cancel

Apply

Task Console

Clear Finished Tasks

Executing: 1

Pending: 0

コンソールでCPUの数が4に変更されたのを確認します

Task Name	Target	Task State	Task Description	Task Detail	Operator	Operator IP	Start Time	Completed At	Actions
Modify VM "vm".	vm	10%	Edit CPU number 3 to 4, CPU ...		admin	10.31.192.155	2026-05-25 09:24:02		
Take external snapshot "test" ...	vm	Succeeded	Take external snapshot "test" ...		admin	10.31.192.155	2026-05-25 09:23:19	2026-05-25 09:23:19	

Succeeded

Started the task of editing VM "vm" successfully.

CAS

Cloud Platform

Dashboard

Compute

Storage

Network

Security

HA Service

Ops

System

Hotkey

Compute / Resource Navigation

All

VM Group

VM:vm

Running

Data Center:DC / Cluster:cluster / Host:host142(55.99.1.46)

Start

Shut Down

Edit

Snapshot

Console

More

VM Snapshot Management

×

Snapshot Chain

List

Total Snapshots 1

Enter snapshot name

test

2026-05-25 09:23:24

Current Location

スナップショットをリストアする

Create VM

Create

Edit

Restore

Delete

Consolidate Image Chain

Cancel

Cancel

Apply

X

Snapshot Chain

List

Total Snapshots 1

hot-

Snapshot Name: test

Snapshot Type: External Snapshot

Created At: 2026-05-25 09:23:24

Description:

Memory Snapshot: No

Integrity Check: **Passed**

 Confirm

スナップショットを使用してVMを復元すると、VMはシャットダウンします。そのスナップショットの作成後に行われたデータや構成変更は、復元時に失われます。スナップショット「test」を使用してVMを復元してもよろしいですか？VMが接続されているvSwitchの設定やネットワーク設定、リソースプールに割り当てられたSR-IOVデバイス、あるいはリモートUSB、PCI、仮想暗号化モジュール、GPU、SR-IOVデバイスに関する情報は復元されません。VMの復元時、Intel RDTのNoisy Neighborの影響を抑制する機能は無効になります。

Cancel

Create VM

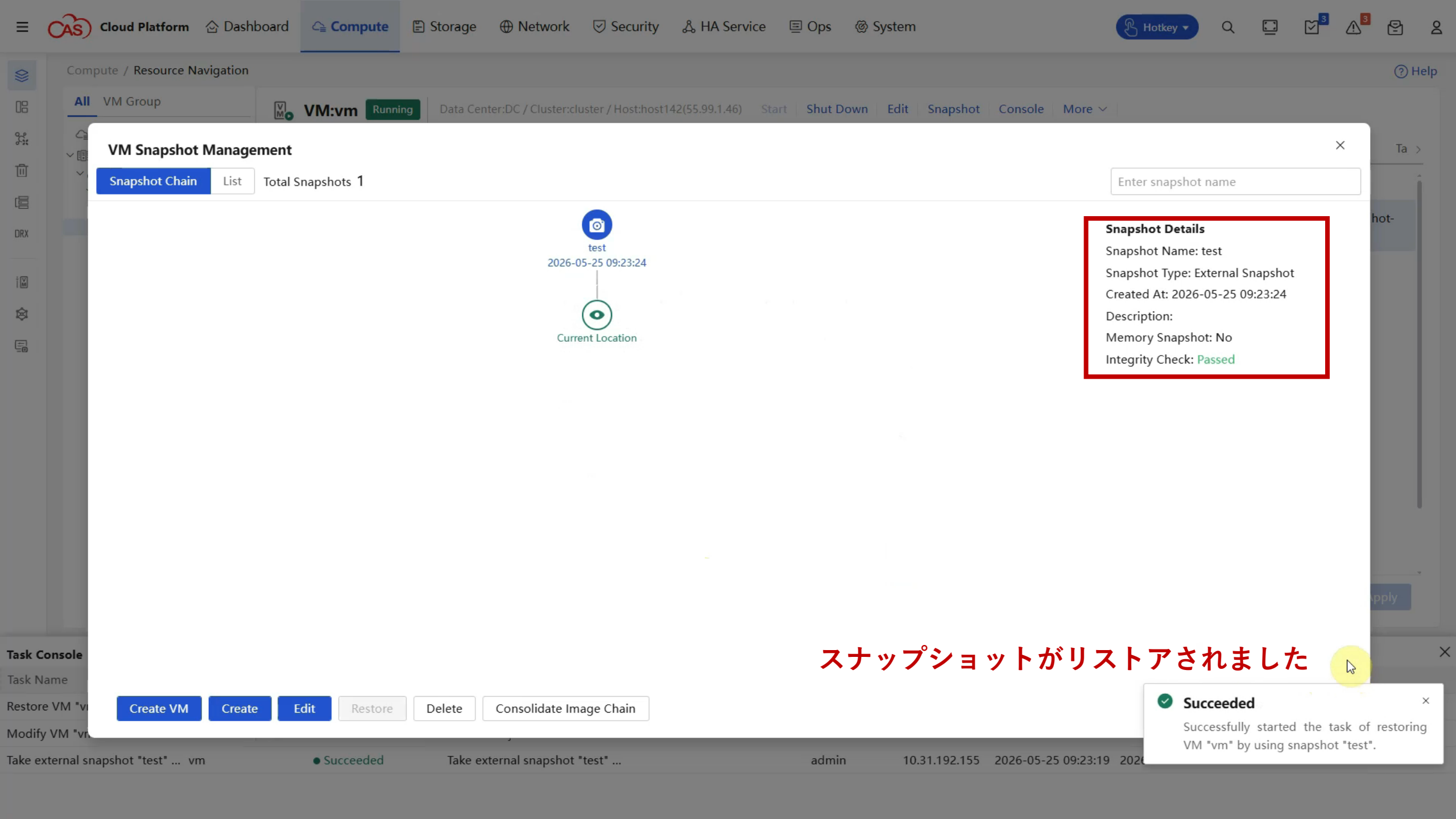
Restore

Delete

Consolidate Image Chain

Cancel

Cancel



スナップショットがリストアされました

Succeeded
Successfully started the task of restoring VM "vm" by using snapshot "test".

Cloud Platform

Dashboard

Compute

Storage

Network

Security

HA Service

Ops

System

Hotkey

Compute / Resource Navigation

All VM Group

Resources

DC

cluster

host142

templateVM

vm

VM2

VM:vm Shutdown

vmがシャットダウン状態であることが分かる

SummaryConfigurePerformance MonitorProcess MonitorBackup ManagementMigration HistoryTask OrchestrationConsolePermissionsNotificationsTa

CPU

MemoryDiskNetworkCD-ROMFloppy DiskConsoleNotepadMouseSerial PortGraphics CardvNUMA

Basic Settings

Current Quota3

Host CPUs40

* CPUs3

CPU Operating ModeCompatibleHost ModelHost Passthrough

* CPU Cores1

Advanced Settings

Architecture64 bit32 bit

Scheduling PriorityLowMediumHigh

* Reserve0 MHz

Limit MHz

Overall CPU Limit

Hot Remove

CancelApply

Task Console

Clear Finished Tasks

Executing: 0

Pending: 0

Task Name	Target	Task State	Task Description	Task Detail	Operator	Operator IP	Start Time	Completed At	Actions
Restore VM "vm" by using sn...	vm	Succeeded	VM "vm" successfully restore...		admin	10.31.192.155	2026-05-25 09:24:46	2026-05-25 09:25:14	Cancel
Modify VM "vm".	vm	Succeeded	Successfully edited CPU for V...		admin	10.31.192.155	2026-05-25 09:24:02	2026-05-25 09:24:24	Cancel
Take external snapshot "test" ...	vm	Succeeded	Take external snapshot "test" ...		admin	10.31.192.155	2026-05-25 09:23:19	2026-05-25 09:23:44	Cancel

デモのシナリオ

1. テンプレートを使って仮想マシンを作成します
2. **仮想マシンの管理機能を紹介します**
 - 2.1. 仮想マシンの追加(hot add)機能を紹介します
 - 2.2. 仮想マシンのコンソールアクセスを紹介します
 - 2.3. 仮想マシンのスナップショットの作成とリストアーを紹介します
 - 2.4. **PINGを継続中にライブのマイグレーションを行います**
 - ※VM3からVM2へpingを続ける
 - VM2を他のサーバー(host279)へマイグレート(移動)させる
 - 移動中もVM2はpingに応え続けます

Compute / Resource Navigation

All VM Group

Resources

Datacenter

cluster

host266

cdpNode1

KaaS

new

newVM

tempVM

test

testVM_001

VM3

VM-inside

VM-inside_A

VM-Product_001

VM-Product_002

VM-Rocky-A

VM-ubuntu_A

VM-ubuntu_B

VM2

host279

k8s-ctrl-374fd017

k8s-ctrl-6533e26e

k8s-ctrl-8d244873

k8s-work-d1b3761d

VM:VM2 Running

Summary

Configure

Performance Monitor

Process Monitor

Backup Management

Migration History

Task Orchestration

Console

Permissions

Notifications

Tasks

Basic Info

Alias: VM2

Description:

CAStools: Running

CAStools Version: 9.2.0.1.0.0 (to be upgraded)

Version: CentOS Linux release 7.9.2009 (Core)

Auto Migration: Disable

Hardware Info

CPU Isolation: 2x1

CPU Usage: 6.64%

Memory: 4.0GB

Memory Usage: 29.57%

MAC: 0c:da:41:1d:22:30

IPv4 Address: 100.0.27.20

VLAN: 1

Size: 0.00B

Bus Type: FDC

Floppy Disk Path:

Size: 80.00GB

Bus Type: High-Speed

Storage Path: /vms/stor_share01/test_001

Resource Performance

CPU Usage

Memory Usage

VM2が稼働状態であることが分かる

100.0.27.20

Cloud Platform

Dashboard

Compute

Storage

Network

Security

HA Service

Ops

System

Hotkey

Compute / Resource Navigation

All VM Group

Resources

Datacenter

cluster

host266

cdpNode1

KaaS

new

newVM

tempVM

test

testVM_001

VM3

VM-inside

VM-inside_A

VM-Product_001

VM-Product_002

VM-Rocky-A

VM-ubuntu_A

VM-ubuntu_B

VM2

host279

k8s-ctrl-374fd017

k8s-ctrl-6533e26e

k8s-ctrl-8d244873

k8s-work-d1b3761d

VM:VM3

Running

Summary

Configure

Performance Monitor

Process Monitor

Backup Management

Migration History

Task Orchestration

Console

Permissions

Notifications

Tasks

Basic Info

Alias: VM3

Description:

CAS tools

Hardware Info

CPU Isolation: 2x1

CPU Usage: 6.09%

Size: 0.00B

Bus Type: IDE

CD-ROM Path:

Resource Performance

CPU Usage

100

80

60

40

20

0

17:40:00

17:43:00

17:46:00

17:49:00

17:52:00

VM3 | VNC - Google Chrome

172.30.27.9/vnc.html?vmId=33&title=VM3

Start

Shut Down

Power Off

Send Keys

Virtual Drive

Disconnect

Refresh

Full Screen

Applications

Places

Terminal

root@localhost:~

File

Edit

View

Search

Terminal

Help

[root@localhost ~]# ping 100.0.27.20

PING 100.0.27.20 (100.0.27.20) 56(84) bytes of data:

64 bytes from 100.0.27.20: icmp_seq=1 ttl=64 time=0.395 ms

64 bytes from 100.0.27.20: icmp_seq=2 ttl=64 time=0.144 ms

64 bytes from 100.0.27.20: icmp_seq=3 ttl=64 time=0.113 ms

64 bytes from 100.0.27.20: icmp_seq=4 ttl=64 time=0.178 ms

Size: 0.00B

Bus Type: FDC

Floppy Disk Path:

ping

VM3が稼働状態であることが分かる

VM3からVM2のIPアドレスにpingします

18:12

2026/5/23

Compute / Resource Navigation

All VM Group

Resources

Datacenter

cluster

host266

- cdpNode1
- KaaS
- new
- newVM
- tempVM
- test
- testVM_001
- VM3
- VM-inside
- VM-inside_A
- VM-Product_001
- VM-Product_002
- VM-Rocky-A
- VM-ubuntu_A
- VM-ubuntu_B
- VM2

host279

- k8s-ctrl-374fd017
- k8s-ctrl-6533e26e
- k8s-ctrl-8d244873
- k8s-work-d1b3761d

ping

VM:VM2 Running VM2が稼働状態であることが分かる

Summary Configure Performance Monitor Process Monitor Backup Management Migration History

Basic Info Alias:VM2 Description: CASTools: Running CASTools Version:9.2.0.1.0.0 (to be upgraded) Version:9.2.0.1.0.0

Hardware Info

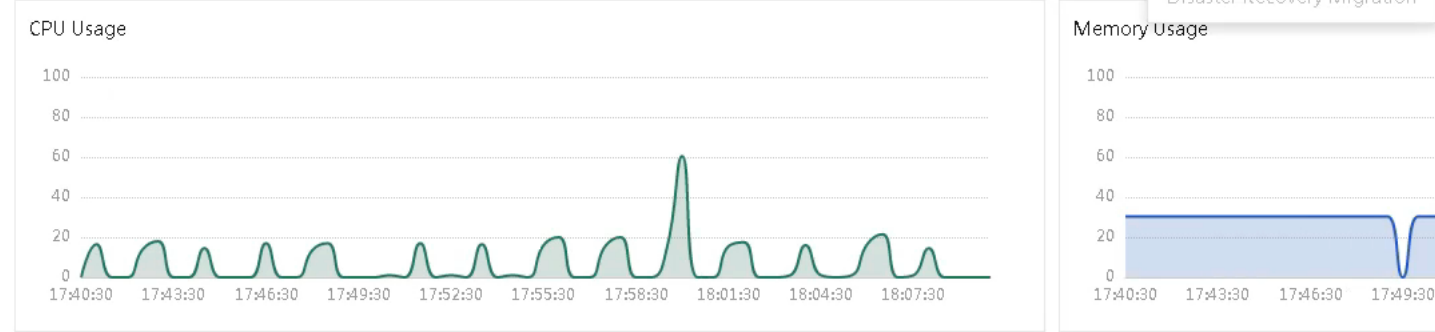
CPU Isolation: 2x1 CPU Usage: 6.41%?

Memory: 4.0GB Memory Usage: 29.25%?

Size: 0.00B Bus Type: IDE CD-ROM Path: ...

Size: 80.00GB Bus Type: High-Speed Storage Path: /vms/stor_share01/test_001

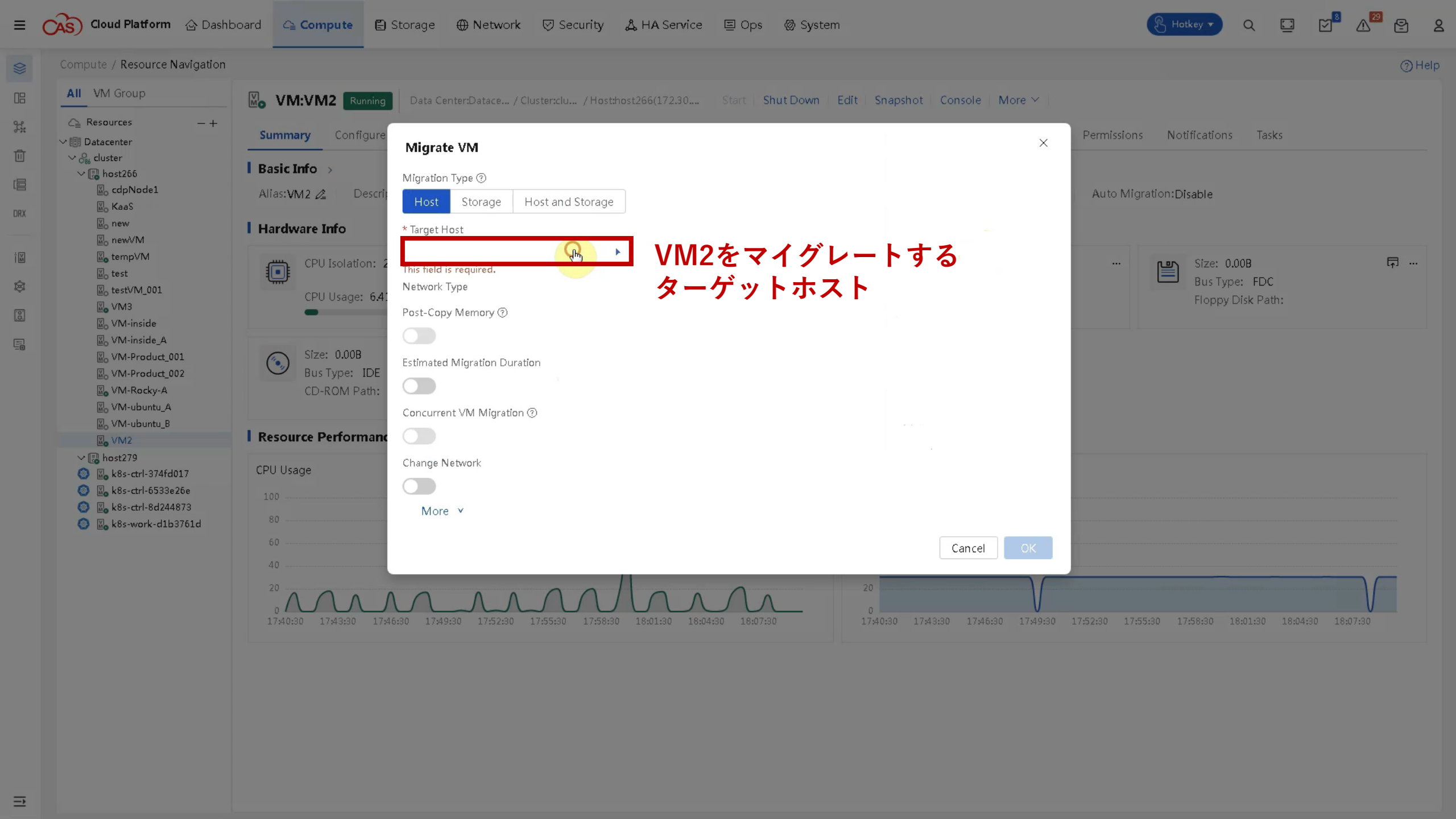
Resource Performance

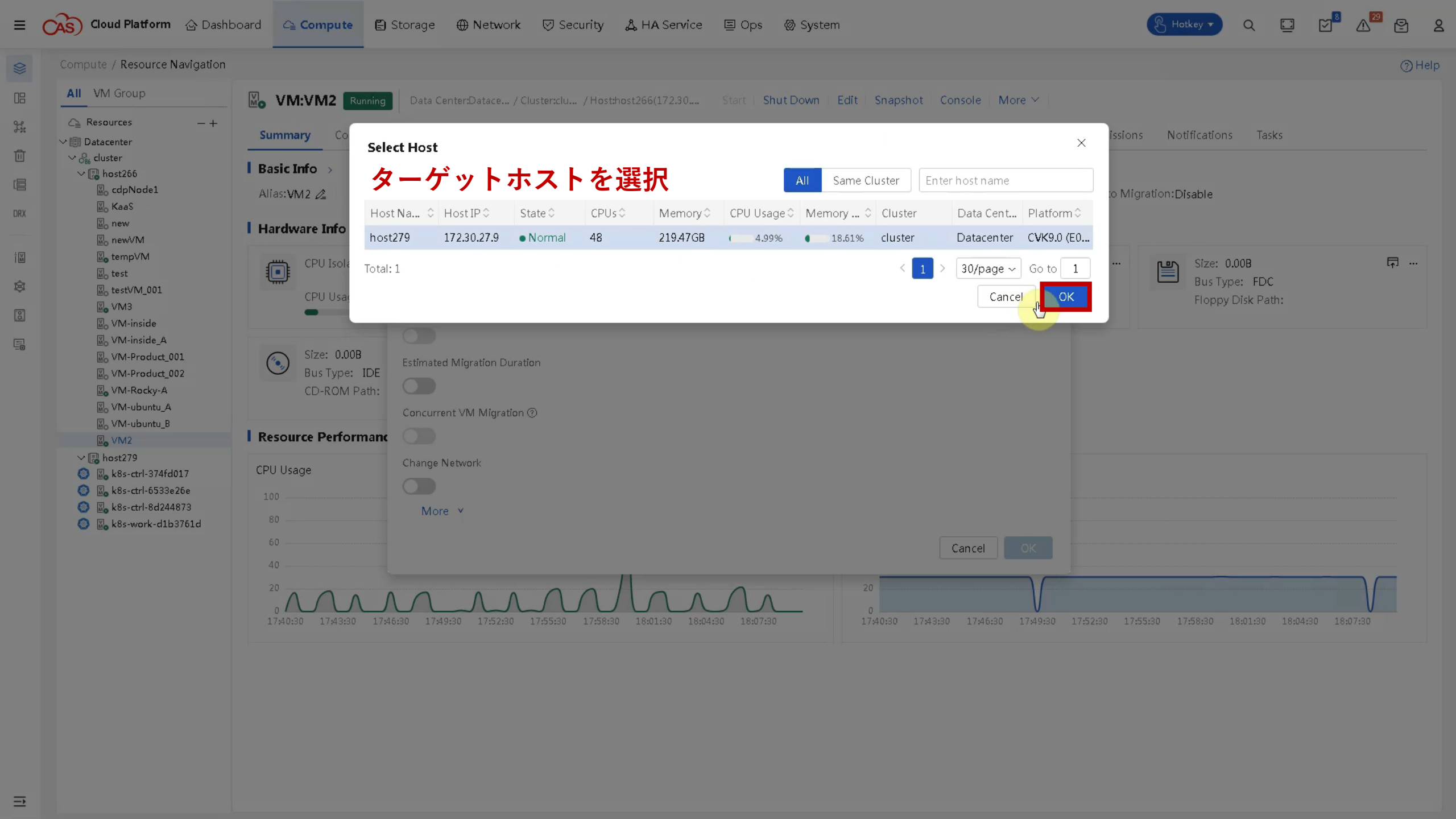


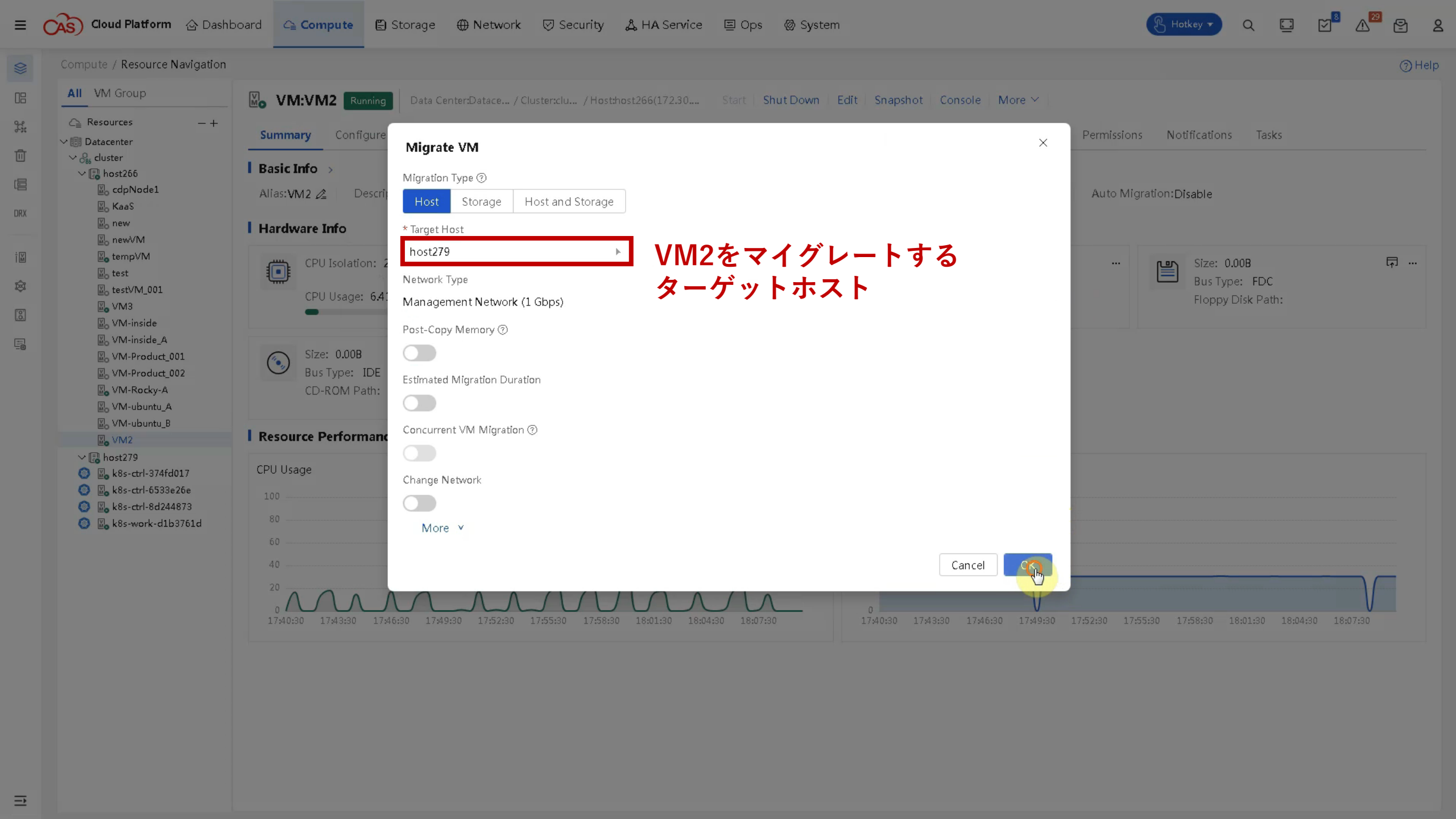
- More
- Power Off
 - Restart
 - Hibernate
 - Delete
 - Clone
 - Migrate
 - Clone as Template
 - Convert to Template
 - Clone as Image
 - Export OVF Template
 - Back Up Now
 - Upgrade CASTools
 - Create Restore Point
 - Merge Images
 - Disaster Recovery Migration

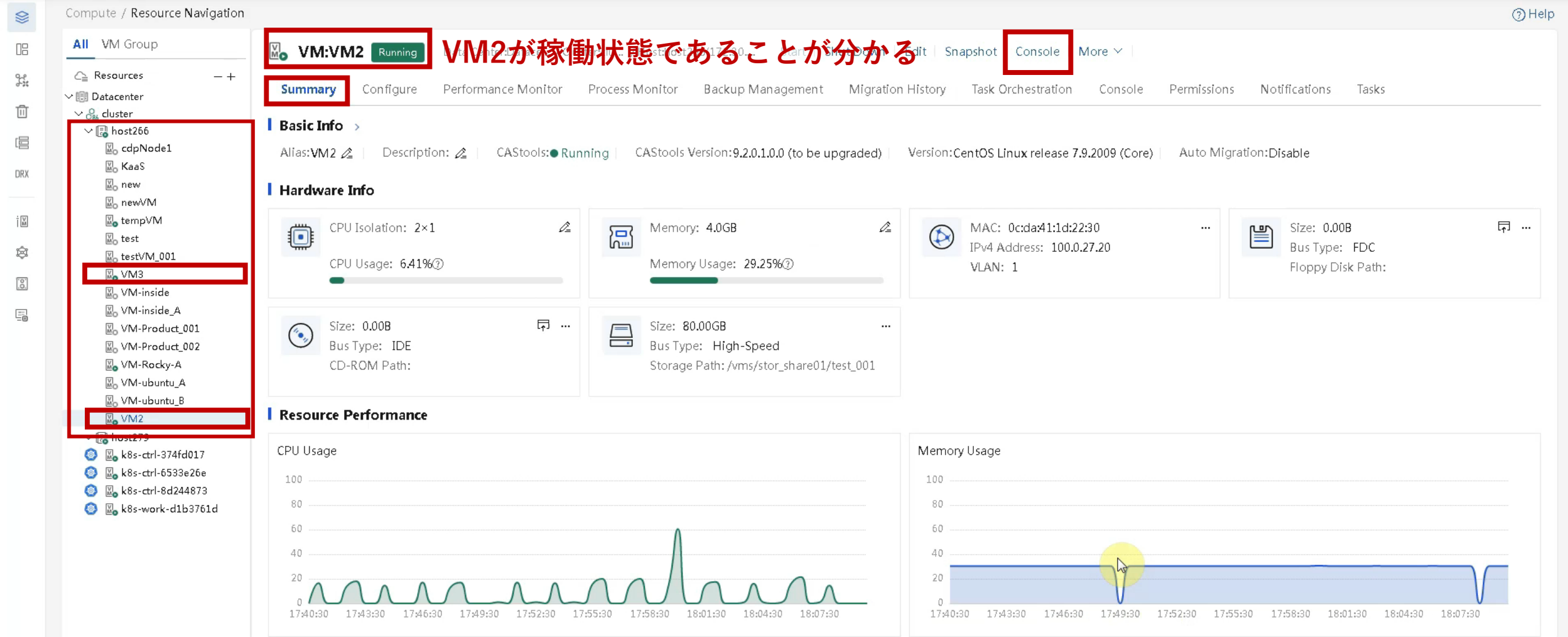
VM2をマイグレートします

Size: 0.00B Bus Type: FDC Floppy Disk Path:









Task Console	Clear	Finished Tasks	Executing: 0	Pending: 1					
Task Name	Target	Task State	Task Description	Task Detail	Operator	Operator IP	Start Time	Completed At	Actions
Migrate VM "VM2".	VM2	0%	Pre-copy migrate VM "VM2" from hos...	Pre-check	admin	172.20.225.254	2026-05-23 18:10:47		
Migrate VM "VM2".	VM2	Succeeded	Successfully pre-copy migrated VM "...		admin	172.20.225.254	2026-05-23 18:07:42	2026-	
Modify VM "VM3".	VM3	Succeeded	Network " 0c:da41:1d:9a:5d test-->vst...		admin	172.20.225.254	2026-05-23 18:06:14	2026-	
Modify VM "VM2".	VM2	Succeeded	Network " 0c:da41:1d:22:30 test-->vst...		admin	172.20.225.254	2026-05-23 18:05:19	2026-05-23 18:05:24	Cancel
Modifv VM "VM3".	VM3	Succeeded	Network " 0c:da41:1d:9a:5d " successf...		admin	172.20.225.254	2026-05-23 18:02:37	2026-05-23 18:02:48	Cancel



Succeeded

Successfully added the task of migrating VM "VM2".

Cloud Platform

Dashboard

Compute

Storage

Network

Security

HA Service

Ops

System

Hotkey

Compute / Resource Navigation

All VM Group

Resources

Datacenter

cluster

host266

cdpNode1

KaaS

new

newVM

tempVM

test

testVM_001

VM3

VM-inside

VM-inside_A

VM-Product_001

VM-Product_002

VM-Rocky-A

VM-ubuntu_A

VM-ubuntu_B

VM2

host279

k8s-ctrl-374fd017

k8s-ctrl-6533e26e

k8s-ctrl-8d244873

k8s-work-d1b3761d

VM:VM3

Running

Data Center:Datace... / Cluster:clu... / Host:host266(172.30...

Start Shut Down Edit Snapshot Console More

Summary

Configure Performance Monitor Process Monitor Backup Management Migration History Task Orchestration Console Permissions Notifications Tasks

Basic Info

Hardware Info

Resource Performance

CPU Isolation: 2x1

CPU Usage: 6.18%

Size: 0.00B

Bus Type: IDE

CD-ROM Path:

CPU Usage

VM3 | VNC - Google Chrome

172.30.27.9/vnc.html?vmId=33&title=VM3

Start Shut Down Power Off Send Keys Virtual Drive Disconnect Refresh Full

Applications Places Terminal

VM3からVM2のIPアドレスにping継続

64 bytes from 100.0.27.20: icmp_seq=9 ttl=64 time=0.207 ms
64 bytes from 100.0.27.20: icmp_seq=10 ttl=64 time=0.174 ms
64 bytes from 100.0.27.20: icmp_seq=11 ttl=64 time=0.157 ms
64 bytes from 100.0.27.20: icmp_seq=12 ttl=64 time=0.173 ms
64 bytes from 100.0.27.20: icmp_seq=13 ttl=64 time=0.244 ms
64 bytes from 100.0.27.20: icmp_seq=14 ttl=64 time=0.136 ms
64 bytes from 100.0.27.20: icmp_seq=15 ttl=64 time=0.270 ms
64 bytes from 100.0.27.20: icmp_seq=16 ttl=64 time=0.333 ms
64 bytes from 100.0.27.20: icmp_seq=17 ttl=64 time=0.205 ms
64 bytes from 100.0.27.20: icmp_seq=18 ttl=64 time=0.166 ms
64 bytes from 100.0.27.20: icmp_seq=19 ttl=64 time=0.156 ms
64 bytes from 100.0.27.20: icmp_seq=20 ttl=64 time=0.214 ms
64 bytes from 100.0.27.20: icmp_seq=21 ttl=64 time=0.145 ms
64 bytes from 100.0.27.20: icmp_seq=22 ttl=64 time=0.185 ms
64 bytes from 100.0.27.20: icmp_seq=23 ttl=64 time=0.213 ms
64 bytes from 100.0.27.20: icmp_seq=24 ttl=64 time=0.370 ms
64 bytes from 100.0.27.20: icmp_seq=25 ttl=64 time=0.214 ms
64 bytes from 100.0.27.20: icmp_seq=26 ttl=64 time=0.192 ms
64 bytes from 100.0.27.20: icmp_seq=27 ttl=64 time=0.200 ms
64 bytes from 100.0.27.20: icmp_seq=28 ttl=64 time=0.215 ms
64 bytes from 100.0.27.20: icmp_seq=29 ttl=64 time=0.194 ms
64 bytes from 100.0.27.20: icmp_seq=30 ttl=64 time=0.224 ms
64 bytes from 100.0.27.20: icmp_seq=31 ttl=64 time=0.197 ms

Task Console

Clear Finished Tasks

Executing: 1

Pending: 0

マイグレーション中...

Task Name	Target	Task State	Task Description	Task Detail	Operator	Operator IP	Start Time	Completed At	Actions
Migrate VM "VM2".	VM2	6%	Pre-copy migrate VM "VM2" from hos...	Memory pre-copy in progress, 0 MB/s...	admin	172.20.225.254	2026-05-23 18:10:47	Calculating	Post-Copy Memory Details Cancel
Migrate VM "VM2".	VM2	Succeeded	Successfully pre-copy migrated VM "...		admin	172.20.225.254	2026-05-23 18:07:42	2026-05-23 18:08:13	Post-Copy Memory Details Cancel
Modify VM "VM3".	VM3	Succeeded	Network " 0c:da41:1d:9a:5d test-->vst...		admin	172.20.225.254	2026-05-23 18:06:14	2026-05-23 18:06:19	Cancel
Modify VM "VM3".	VM3	Succeeded	Network " 0c:da41:1d:9a:5d test-->vst...		admin	172.20.225.254	2026-05-23 18:05:10	2026-05-23 18:05:14	Cancel

Cloud Platform

Dashboard

Compute

Storage

Network

Security

HA Service

Ops

System

Hotkey

Compute / Resource Navigation

All VM Group

Resources

Datacenter

cluster

host266

cdpNode1

KaaS

new

newVM

tempVM

test

testVM_001

VM3

VM-inside

VM-inside_A

VM-Product_001

VM-Product_002

VM-Rocky-A

VM-ubuntu_A

VM-ubuntu_B

host279

k8s-ctrl-374fd017

k8s-ctrl-6533e26e

k8s-ctrl-8d244873

k8s-work-d1b3761d

VM2

Summary

Configure

Performance Monitor

Basic Info

Alias: VM3

Description:

CAS tools: ● Running

Hardware Info

CPU Isolation: 2x1

CPU Usage: 6.18%

Size: 0.00B

Bus Type: IDE

CD-ROM Path:

Resource Performance

CPU Usage

VM3 | VNC - Google Chrome

Start

Shut Down

Power Off

Send Keys

Virtual Drive

Disconnect

Refresh

Full Screen

Applications

Places

Terminal

VM3からVM2のIPアドレスにping継続

64 bytes from 100.0.27.20: icmp_seq=57 ttl=64 time=0.245 ms

64 bytes from 100.0.27.20: icmp_seq=58 ttl=64 time=0.334 ms

64 bytes from 100.0.27.20: icmp_seq=59 ttl=64 time=0.211 ms

64 bytes from 100.0.27.20: icmp_seq=60 ttl=64 time=1.00 ms

64 bytes from 100.0.27.20: icmp_seq=61 ttl=64 time=0.315 ms

64 bytes from 100.0.27.20: icmp_seq=62 ttl=64 time=0.330 ms

64 bytes from 100.0.27.20: icmp_seq=63 ttl=64 time=0.417 ms

64 bytes from 100.0.27.20: icmp_seq=64 ttl=64 time=0.369 ms

64 bytes from 100.0.27.20: icmp_seq=65 ttl=64 time=0.372 ms

64 bytes from 100.0.27.20: icmp_seq=66 ttl=64 time=0.352 ms

64 bytes from 100.0.27.20: icmp_seq=67 ttl=64 time=0.438 ms

64 bytes from 100.0.27.20: icmp_seq=68 ttl=64 time=0.363 ms

64 bytes from 100.0.27.20: icmp_seq=69 ttl=64 time=0.182 ms

64 bytes from 100.0.27.20: icmp_seq=70 ttl=64 time=0.404 ms

64 bytes from 100.0.27.20: icmp_seq=71 ttl=64 time=0.351 ms

64 bytes from 100.0.27.20: icmp_seq=72 ttl=64 time=0.272 ms

64 bytes from 100.0.27.20: icmp_seq=73 ttl=64 time=0.428 ms

64 bytes from 100.0.27.20: icmp_seq=74 ttl=64 time=0.313 ms

64 bytes from 100.0.27.20: icmp_seq=75 ttl=64 time=0.321 ms

64 bytes from 100.0.27.20: icmp_seq=76 ttl=64 time=0.424 ms

64 bytes from 100.0.27.20: icmp_seq=77 ttl=64 time=0.296 ms

64 bytes from 100.0.27.20: icmp_seq=78 ttl=64 time=0.371 ms

64 bytes from 100.0.27.20: icmp_seq=79 ttl=64 time=0.316 ms

Task Console

Clear

Finished Tasks

Executing: 0

Pending: 0

マイグレーション完了

Task Name

Task State

Task Description

Task Detail

Operator

Operator IP

Start Time

Completed At

Actions

Migrate VM "VM2".

VM2

Succeeded

Successfully pre-copy migrated VM "...

admin

172.20.225.254

2026-05-23 18:10:47

2026-05-23 18:11:29

Post-Copy Memory Details Cancel

Migrate VM "VM2".

VM2

Succeeded

Successfully pre-copy migrated VM "...

admin

172.20.225.254

2026-05-23 18:07:42

2026-05-23 18:08:13

Post-Copy Memory Details Cancel

Modify VM "VM3".

VM3

Succeeded

Network "0c:da:41:1d:9a:5d test-->vst...

admin

172.20.225.254

2026-05-23 18:06:14

2026-05-23 18:06:19

Cancel

Modify VM "VM3".

VM3

Succeeded

Network "0c:da:41:1d:9a:5d test-->vst...

admin

172.20.225.254

2026-05-23 18:05:10

2026-05-23 18:05:34

Cancel

18:14

2026/5/23



安定 效率的 安全 简单

CASソフトウェアのダウンロード <https://www.h3c.com/jp/>



h3c.com/jp/

製品とソリューション 業界ソリューション サービス サポート トレーニングと認定 パートナー 私たちについて

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無線	セキュリティ	ネットワーク管理	その他
クラウドネット	ライセンスサーバー	ADNET	インテリジェント端末

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Title	Date	Downloads
→ H3C-CAS-R0790P06(ARM) Recommend	28-04-2026	
→ H3C-CAS-R0790P06(X86) Recommend	28-04-2026	
→ H3C_CAS-R0785P03H06	25-03-2026	

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CASソフトウェアのダウンロード



CASソフトウェアのダウンロードには、パートナーアカウントなどでログインが求められます

Hello

Welcome to H3C

[Go to the home page](#)

UserH3C PartnerH3C Employee

User ID

Password

Verification Code985H

Log In

[Forgot Password](#)[Account Register](#)

☒ I agree to the use of my personal information according to the [H3C Privacy Statement](#). I understand that my personal information may be transferred for processing outside my country of residence.

☒ I agree to the use of my contact data like email to keep me informed of products, services and offerings



CASのインストール

H3C CAS インストレーションガイド

CASインストレーション前の作業
Dedicated Portを有効にします

H3C HDM

Dashboard System Info Server Health Network

Dedicated Port Shared Port DNS Bonding Configuration Remote Control

Network > Dedicated Port

Basic information IPv4 IPv6 VLAN

IPv4

IPv4 ☒ Enable

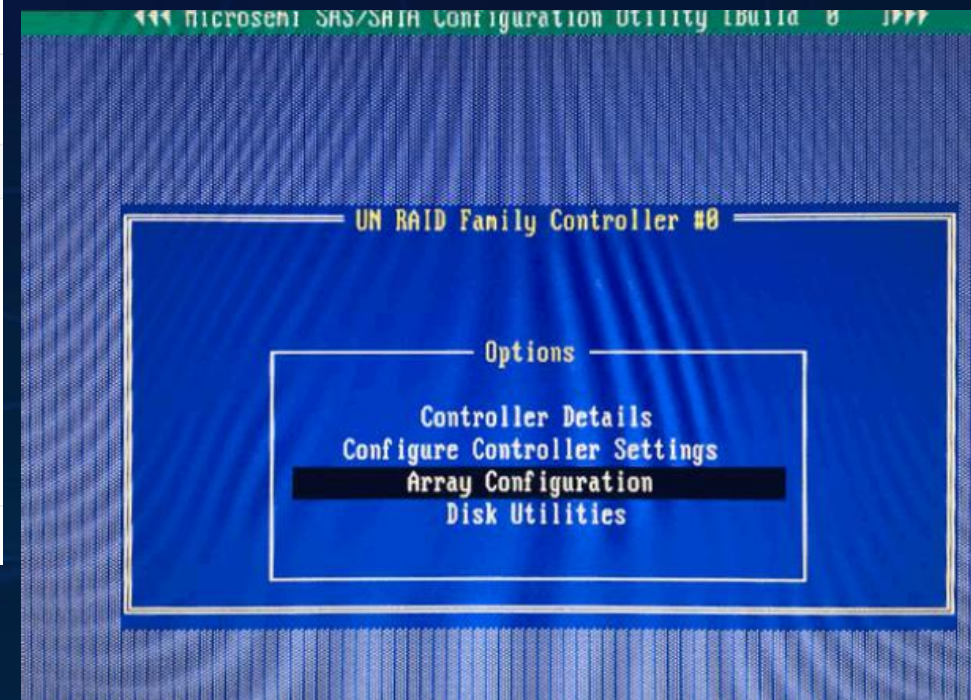
Obtain an IP address automatically ☐ Use DHCP

IPv4 address 10.99.226.6

Subnet mask 255.255.255.0

Default gateway 10.99.226.1

RAIDを設定



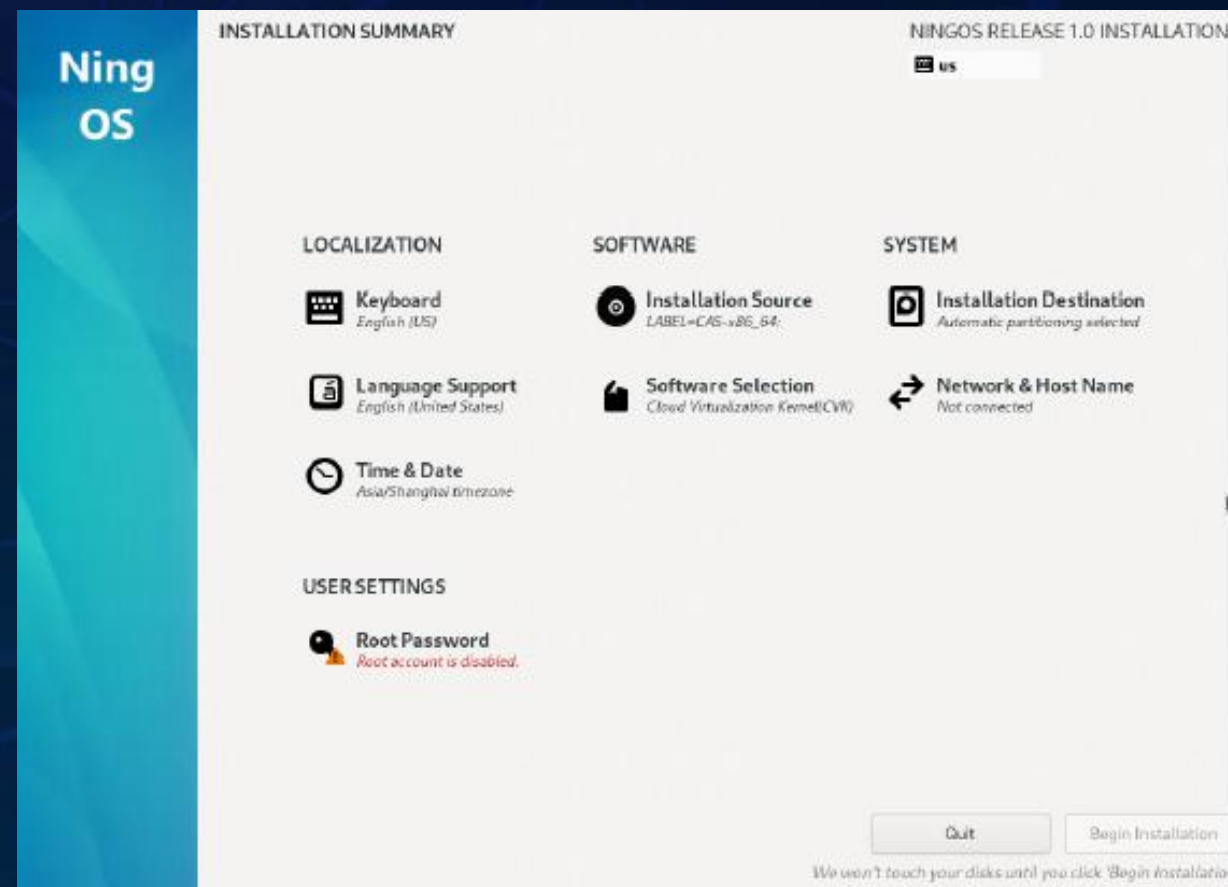
CASのインストール



CASインストールの開始ページ



インストールのサマリーページ



CASのインストール



rootのパスワードを設定

ROOT PASSWORD NINGOS RELEASE 1.0 INSTALLATION

Done us

The root account is used for administering the system. Enter a password for the root user.

Root Password:

Confirm:

Strong

設定画面

H3C CAS 10:50:01 cvknode

Configuration

Customize System

Status Display

Network and Management Interface

Authentication

Virtual Machines

Hardware and BIOS Information

Keyboard and Timezone

Reboot or Shutdown

Local Command Shell

QEMU

Standard PC (i440FX + PIIX, 1996)

cvknode

H3C CAS U7.0 E0783P01

Management Network Parameters

Device	eth0
IPv4 Address	10.125.33.10
IPv4 Netmask	255.255.252.0
IPv4 Gateway	10.125.32.1

Press <Enter> to display the SSL key fingerprints for this host

<F6> Quick Config

<Enter> OK <Up/Down> Select

<Enter> Fingerprints <F5> Refresh

CASのインストール



管理インターフェースの設定

```
H3C CAS                               10:51:23                               ccknode
Configuration

Network and Management Interface

Configure Management Interface
Display DNS Servers
Test Network
Display NICs

Configure Management Interface
IPv4 Mode          static
IPv4 Address       10.125.33.10
IPv4 Netmask       255.255.252.0
IPv4 Gateway       10.125.32.1
Hostname           ccknode
VlanID

Network Interface

Device             eth0
MAC Address        0c:da:41:1d:60:10
NIC Vendor         Red Hat, Inc.

<F6> Quick Config
<Esc/Left> Back <Up/Down> Select

<Enter> Reconfigure <F5> Refresh
```



ありがとうございます