



Metrics, Views, and Reports

Importance

Views and reports provide perspectives on data collected for health, risk, and capacity trending for the objects and fleet in your environment.

Although inbuilt views and reports are available to track metric data, you can also create your own custom views and reports for monitoring your environment.

You must understand the capabilities of views and reports, and when to use each function to monitor your private cloud deployment.

Module Lessons

1. Introduction to Metrics
2. Creating and Managing Views
3. Viewing and Managing Reports

Introduction to Metrics



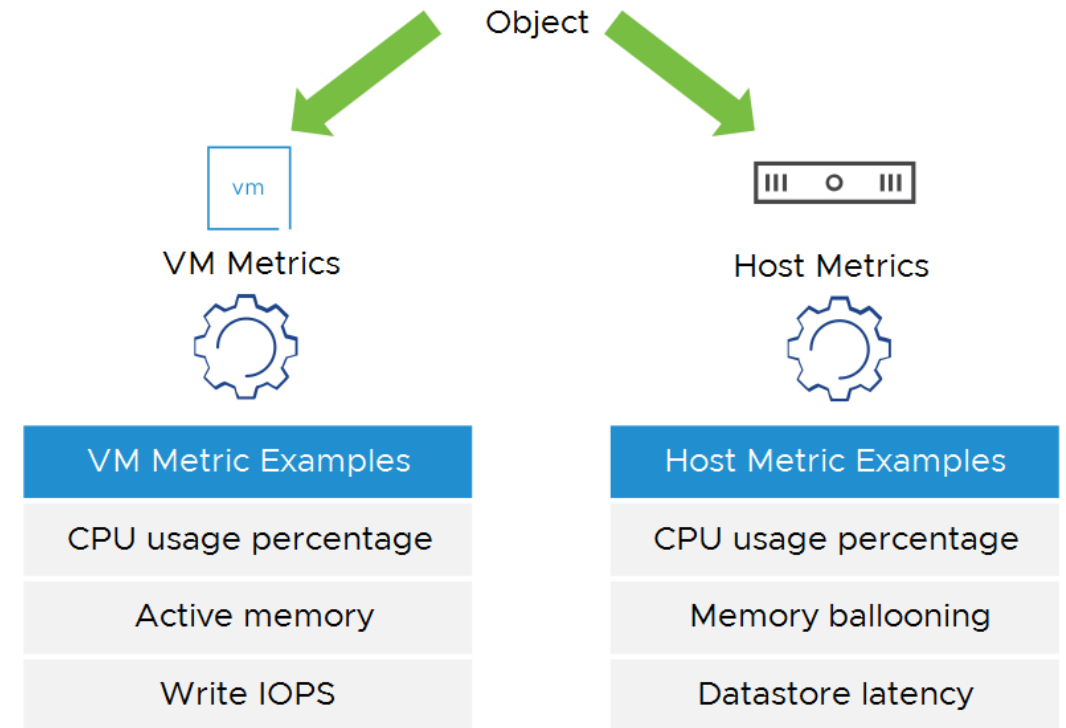
Learner Objectives

- Outline the role of metrics in VCF Operations
- Distinguish between metrics and properties

Understanding Metrics

Metrics are quantitative measurements collected from various objects, such as virtual machine, storage device, and so on. Metrics are usually time-based and numerical. Metrics data can reflect performance and health of the objects, such as CPU utilization, memory usage, network latency, etc.

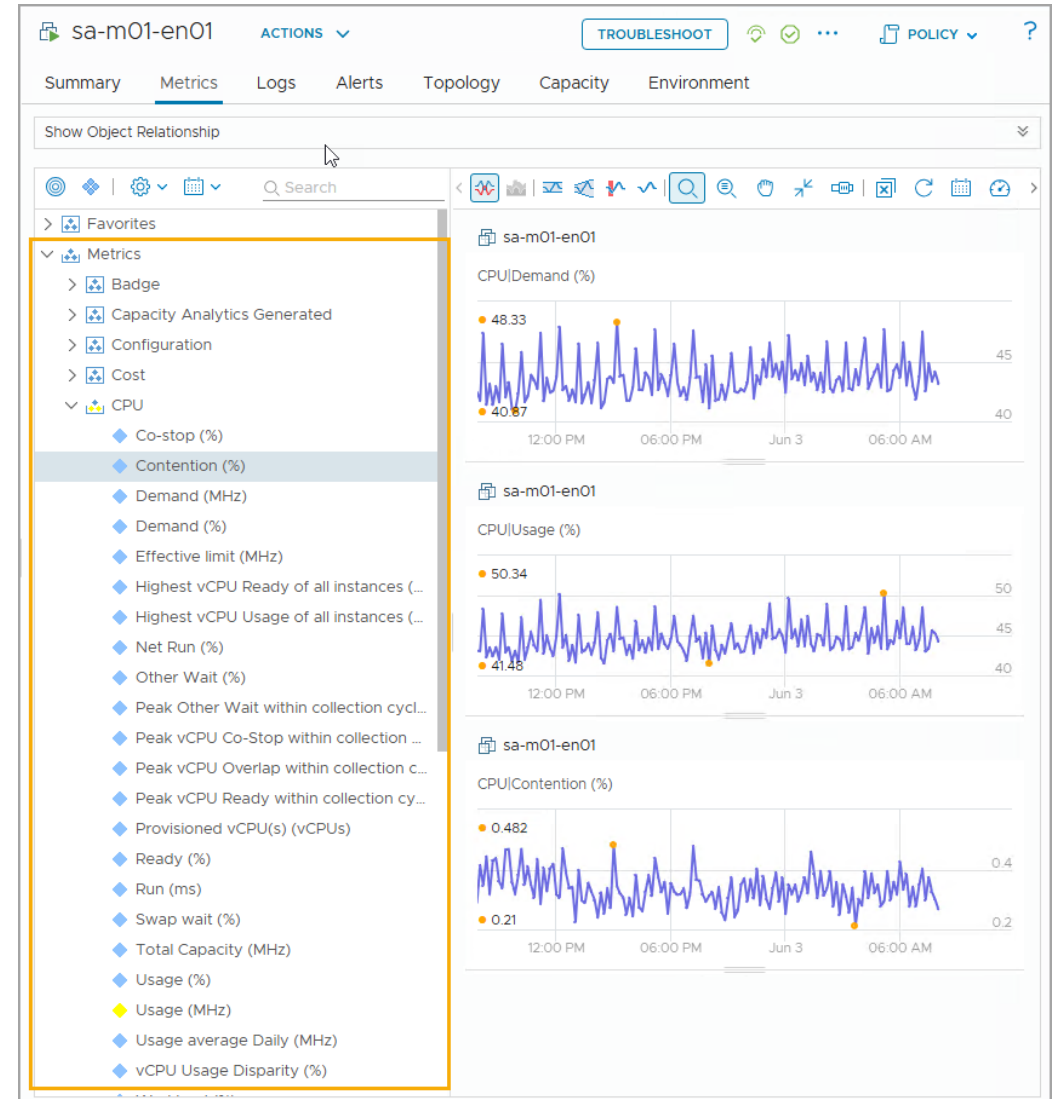
VCF Operations can collect metrics data from such objects in your environment, use the metrics data in analysis, and provide key performance and health insights for environment optimization and troubleshooting.



Understanding Predefined Metrics

VCF and VCF Operations are built to support various types of infrastructure objects powered by VMware and other third-party cloud infrastructure platforms. With this ability, VCF Operations can naturally collect a wide range of metrics from these infrastructure objects. These types of metrics are categorized as predefined metrics.

For example, VCF Operations can collect CPU usage, data store, memory utilization, disk space utilization, and network metrics from a virtual machine for administrators to understand its runtime statistics and performance condition.



Understanding Super Metrics

A Super Metric in VCF Operations is a custom metric that you can create when you want to check the health of your environment but cannot find a suitable metric to perform the analysis.

In a super metric, you can include multiple metrics and formula expressions to calculate the desired metric. For example, you can create a super metric to calculate the average virtual machine CPU utilization across an entire cluster.

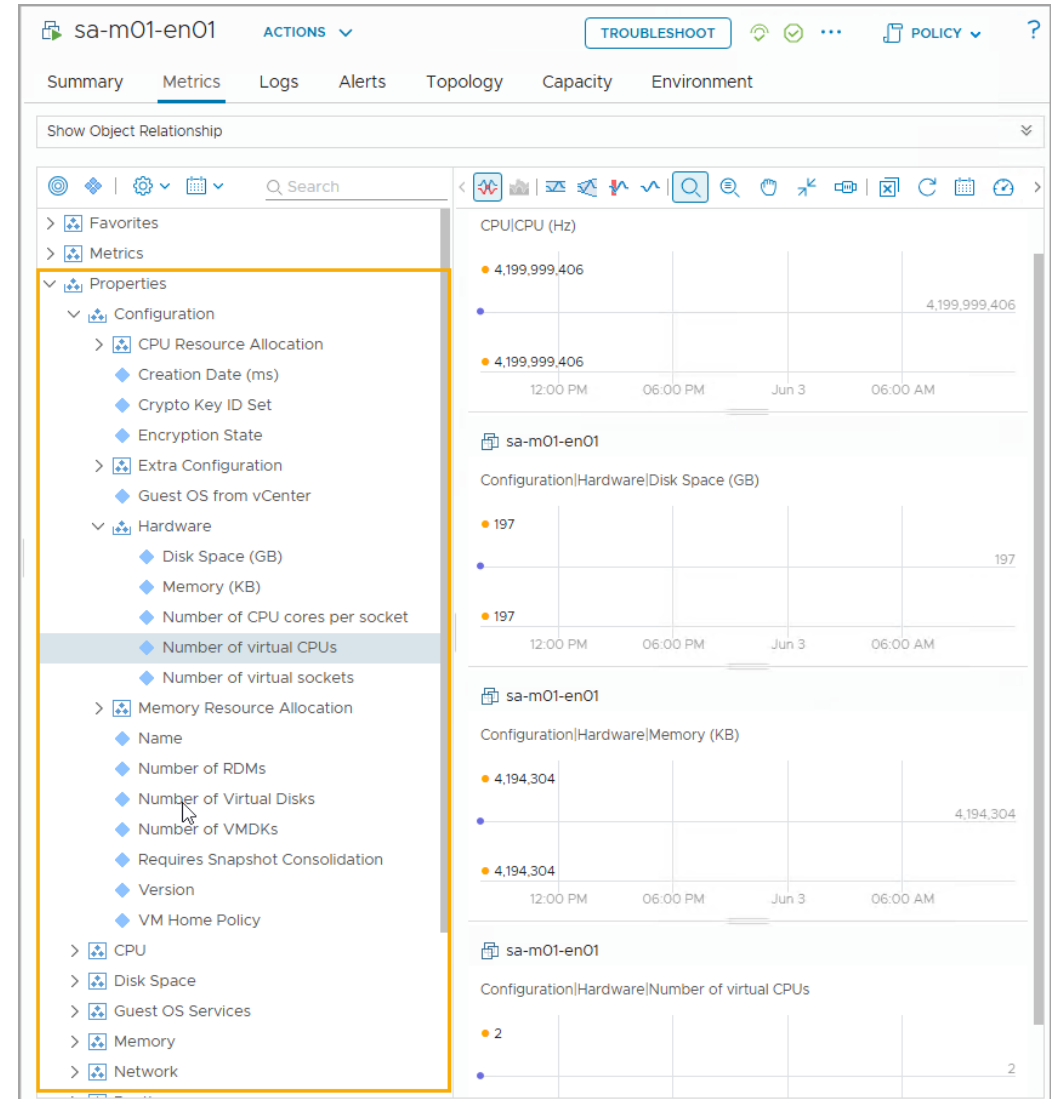
The screenshot displays the 'Super Metrics' configuration page in the VMware vSphere interface. The page title is 'Super Metrics' with a link to 'MORE SUPER METRICS SAMPLES' and a help icon. Below the title is a breadcrumb 'Configurations / Super Metrics' and a toolbar with 'ADD' and '...' buttons. A search bar on the right says 'Type here to apply filters'. A table on the left lists the super metrics, with one item selected: 'Average Virtual Machine CPU in Cluster'. The right pane shows the configuration for this metric, including 'Assigned Object Types (1)' (Virtual Machine), the 'Formula' `avg({ Virtual Machine: CPU|Usage , depth=2})`, and 'Policies Enabled (2)' (Foundation Policy, Default Policy). An 'EDIT' button and a close icon are in the top right of the configuration pane. The bottom of the table shows '1 - 1 of 1 items'.

<input checked="" type="checkbox"/>	Name	
<input checked="" type="checkbox"/>	Average Virtual Machine CPU in Cluster	<div>Average Virtual Machine CPU in Cluster</div> <div><div>Assigned Object Types (1)</div><div>Virtual Machine</div></div> <div><div>Formula</div><div><code>avg({ Virtual Machine: CPU Usage , depth=2})</code></div></div> <div><div>Policies Enabled (2)</div><div><div>Foundation Policy</div><div>Default Policy</div></div></div>

Understanding Property

Properties are attributes or characteristics collected from various objects. Properties are descriptive and non-time-based, and property values usually do not change frequently. Examples of properties include VM names, number of CPU cores per socket, number of virtual disks, etc. Properties data are often useful for planning system setups, grouping, and other high-level decision making.

VCF Operations can collect properties data from objects in your environment. Administrators can use the properties data to understand configuration and state of resources.



Review of Learner Objectives

- Outline the role of metrics in VCF Operations
- Distinguish between metrics and properties

Creating and Managing Views



Learner Objectives

- Outline the role of views in VCF Operations
- Create a basic custom view and configure view settings

Understanding Views

A View in the VCF Operations console can display metrics collected from the environment. Views are also reusable building blocks for building dashboards and reports.

You can display and manage views by clicking **Infrastructure Operations > Dashboards & Reports > Views**.

In the **Views** pane, click **Manage** to see all the views currently available.

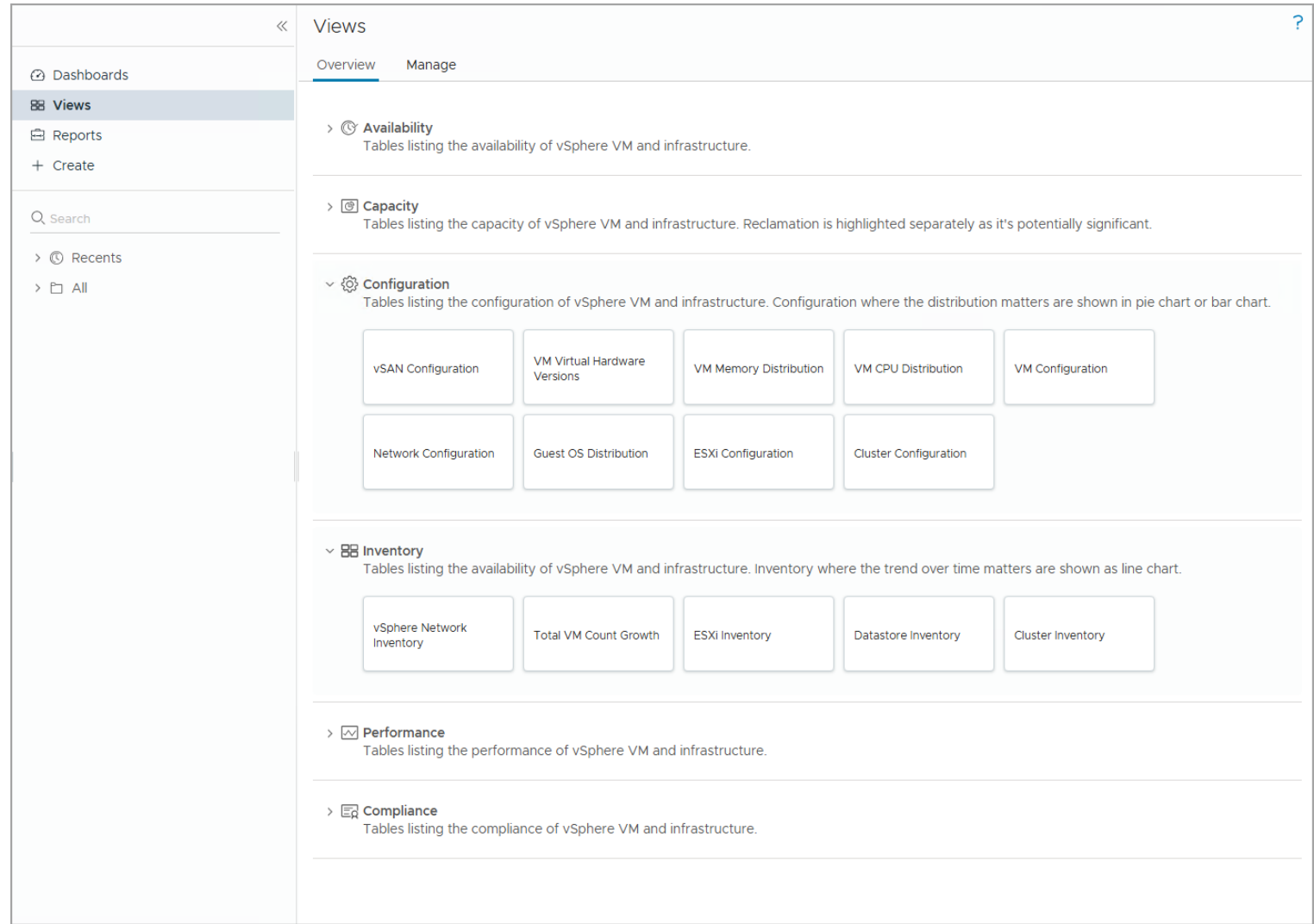
The screenshot displays the VMware Cloud Foundation Operations console. The left sidebar shows the navigation menu with 'Dashboards & Reports' selected. The main pane shows the 'Views' section with the 'Manage' tab active. A table lists various views, including admission control, alerts, and automation tasks, with columns for Name, Type, Description, Subject, Dashboard Usage, Report Usage, Last Modified, and Modified By.

	Name	Type	Description	Subject	Dashboard Usage	Report Usage	Last Modified	Modified By
<input type="checkbox"/>	(DEP) Admission Control	Distrib...	vSphere Cluster Admis...	Cluster C...	1	0	5/10/25 1:11	admin
<input type="checkbox"/>	(DEP) Alerts that are curr	List	Show alerts for the sel...	Alert	0	0	5/10/25 1:11	admin
<input type="checkbox"/>	(DEP) vSphere VM Disk T	Trend	Trend line of VM disk t...	Virtual M...	0	0	5/10/25 1:11	admin
<input type="checkbox"/>	[VCF Automation for All]	Trend	[VCF Automation for ...	Namespa...	2	0	5/10/25 3:34	admin
<input type="checkbox"/>	[VCF Automation for All]	Trend	[VCF Automation for ...	Namespa...	2	0	5/10/25 3:34	admin
<input type="checkbox"/>	[VCF Automation for All]	List	This list provides an ov...	VCFA Or...	0	0	5/10/25 3:34	admin
<input type="checkbox"/>	[VCF Automation for All]	Trend	[VCF Automation for ...	VCFA Or...	2	0	5/10/25 3:34	admin
<input type="checkbox"/>	[VCF Automation for All]	Trend	[VCF Automation for ...	VCFA Or...	2	0	5/10/25 3:34	admin
<input type="checkbox"/>	[VCF Automation for All]	List	[VCF Automation for ...	VCFA Or...	0	0	5/10/25 3:34	admin
<input type="checkbox"/>	[VCF Automation for All]	Distrib...	This list provides a Dist...	Region Q...	0	0	5/10/25 3:34	admin
<input type="checkbox"/>	[VCF Automation for All]	Distrib...	This list provides a Dist...	Region Q...	0	0	5/10/25 3:34	admin
<input type="checkbox"/>	[VCF Automation for All]	List	[VCF Automation for ...	EDGEGA...	0	0	5/10/25 3:34	admin
<input type="checkbox"/>	[VCF Automation for All]	List	[VCF Automation for ...	Region Q...	0	0	5/10/25 3:34	admin
<input type="checkbox"/>	[VCF Automation for All]	Trend	[VCF Automation for ...	Project A...	1	0	5/10/25 3:34	admin
<input type="checkbox"/>	[VCF Automation for All]	Trend	[VCF Automation for ...	Project A...	1	0	5/10/25 3:34	admin
<input type="checkbox"/>	[VCF Automation for All]	List	[VCF Automation for ...	VCFA Or...	1	0	5/10/25 3:34	admin
<input type="checkbox"/>	[VCF Automation for All]	List	[VCF Automation for ...	Region Q...	1	0	5/10/25 3:34	admin
<input type="checkbox"/>	[VCF Automation for All]	List	[VCF Automation for ...	Virtual M...	1	0	5/10/25 3:34	admin
<input type="checkbox"/>	[VCF Automation for All]	List	[VCF Automation for ...	Virtual M...	1	0	5/10/25 3:34	admin

Predefined Views

Predefined views are available in VCF Operations. Each view is based on a subject.

A view presents collected information for VCF and other objects in your environment in a certain way depending on the view type.



Creating a Custom View

You can create a custom view to collect and display information for a specific object. To add a new view, click the **ADD** button or click **+ Create**.

You need to complete the following tasks when creating a custom view:

1. Specify the view type.
2. Configure subjects and metrics.
3. Configure the time settings.
4. Add any data filter.

The screenshot shows the VMware vSphere Views management interface. The left sidebar contains a navigation menu with 'Dashboards', 'Views', 'Reports', and '+ Create'. The 'Views' section is selected, and the '+ Create' button is highlighted. The main panel displays a table of existing views. The table has columns for Name, Type, Description, Subject, Dashboard Usage, Report Usage, Last Modified, and Modified By. The 'ADD' button is highlighted in the top right of the Views section.

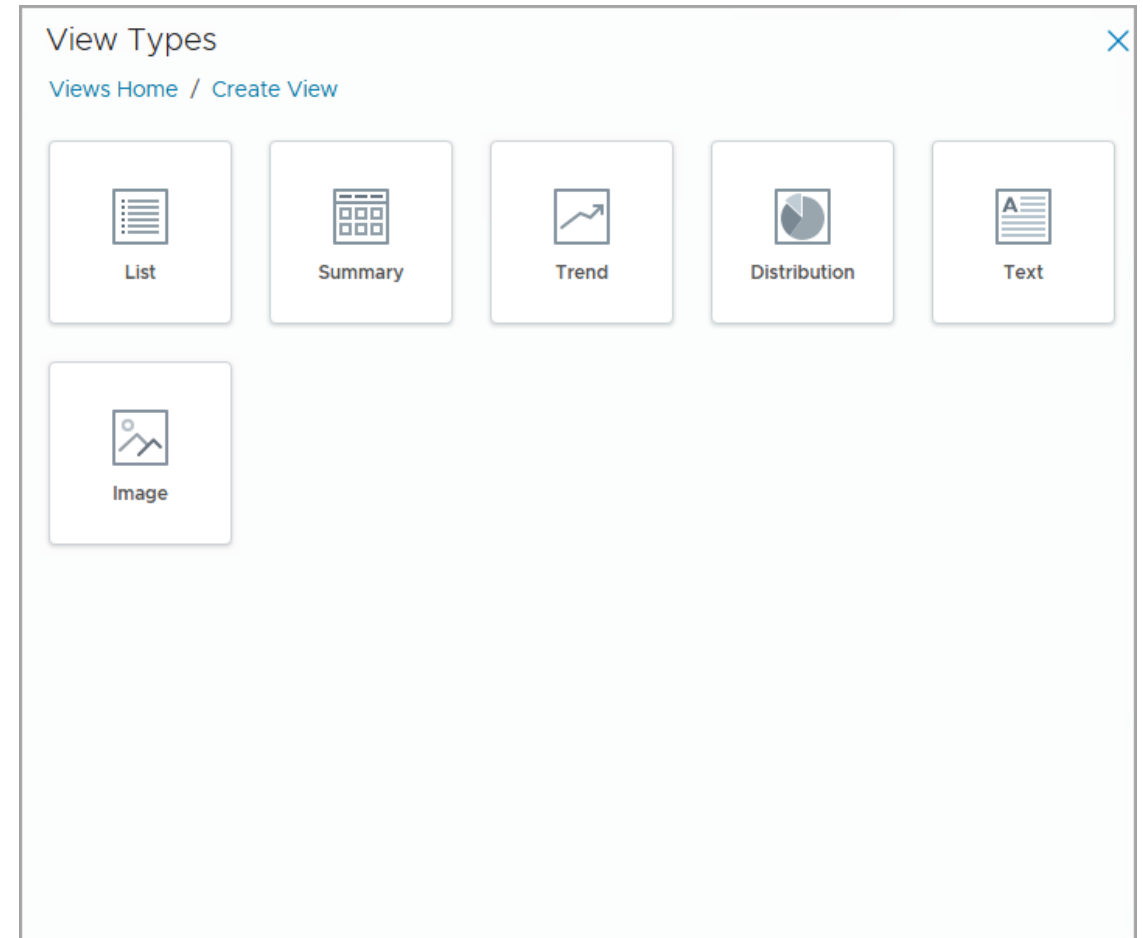
Name	Type	Description	Subject	Dashboard Usage	Report Usage	Last Modified	Modified By
(DEP) Admission Control En...	Distrib...	vSphere Cluster Admissio...	Cluster Co...	1	0	5/10/25 1:11 AI	admin
(DEP) Alerts that are current	List	Show alerts for the select...	Alert	0	0	5/10/25 1:11 AI	admin
(DEP) vSphere VM Disk Thrc	Trend	Trend line of VM disk thro...	Virtual Mac...	0	0	5/10/25 1:11 AI	admin
[VCF Automation for All Apr	Trend	[VCF Automation for All ...	Namespace	2	0	5/10/25 3:34 , admin	
[VCF Automation for All Apr	Trend	[VCF Automation for All ...	Namespace	2	0	5/10/25 3:34 , admin	
[VCF Automation for All Apr	List	This list provides an over...	VCFA Org...	0	0	5/10/25 3:34 , admin	
[VCF Automation for All Apr	Trend	[VCF Automation for All ...	VCFA Org...	2	0	5/10/25 3:34 , admin	
[VCF Automation for All Apr	Trend	[VCF Automation for All ...	VCFA Org...	2	0	5/10/25 3:34 , admin	
[VCF Automation for All Apr	List	[VCF Automation for All ...	VCFA Org...	0	0	5/10/25 3:34 , admin	
[VCF Automation for All Apr	Distrib...	This list provides a Distrib...	Region Qu...	0	0	5/10/25 3:34 , admin	
[VCF Automation for All Apr	Distrib...	This list provides a Distrib...	Region Qu...	0	0	5/10/25 3:34 , admin	
[VCF Automation for All Apr	List	[VCF Automation for All ...	EDGE GAT...	0	0	5/10/25 3:34 , admin	
[VCF Automation for All Apr	List	[VCF Automation for All ...	Region Qu...	0	0	5/10/25 3:34 , admin	
[VCF Automation for All Apr	Trend	[VCF Automation for All ...	Project Ass...	1	0	5/10/25 3:34 , admin	
[VCF Automation for All Apr	Trend	[VCF Automation for All ...	Project Ass...	1	0	5/10/25 3:34 , admin	
[VCF Automation for All Apr	List	[VCF Automation for All ...	VCFA Org...	1	0	5/10/25 3:34 , admin	
[VCF Automation for All Apr	List	[VCF Automation for All ...	Region Qu...	1	0	5/10/25 3:34 , admin	
[VCF Automation for All Apr	List	[VCF Automation for All ...	Virtual Mac...	1	0	5/10/25 3:34 , admin	
[VCF Automation for All Apr	List	[VCF Automation for All ...	Virtual Mac...	1	0	5/10/25 3:34 , admin	
[VCF Automation for All Apr	Distrib...	This list provides an Distri...	Region Qu...	0	0	5/10/25 3:34 , admin	

Understanding View Types

When you create a view, you first need to choose a view type. Each type of view helps you to interpret metrics and properties in a different way.

The following view types are available to choose from:

- **List** views: Provide tabular data about specific objects
- **Summary** views: Provide tabular data about the use of resources
- **Trend** views: Use historic data to generate trends and forecasts for resource use and availability
- **Distribution** views: Provide aggregated data about resource distribution
- **Text** views: Allow you to insert provided text
- **Image** views: Allow you to insert a static image



Specifying the View Name and Configuration

You must specify the name and description of the view as they appear in the list of views on the **Views** page. Click **Settings** to configure visibility for the view.

Create View

1 - Name & Configuration

2 - Data

3 - Time Settings

4 - Filter

5 - Summary

Name

Test View 1

Description

View created for testing

> Settings

Configuring View Visibility Settings

In View Visibility Settings, you can specify where the view appears and where it can be reused, such as when creating Dashboards and Reports.

You can customize result display, such as items per page, maximum plot lines, etc. This setting varies based on different view types.

You can also specify object types in which the view is not available.

Create View

1 - Name & Configuration

2 - Data

3 - Time Settings

4 - Filter

5 - Summary

Name

Test View 1

Description

View created for test/demo purpose

Settings

Items per page

50

Top result count

Show Objects

Existing

Show Object Creation Date

☐

Make the view available for

☒ Dashboards through the View widget

☒ Report template creation and modification

☒ Details tab in the environment

Hide the view for the selected Object Types

Select an Object Type

PREVIOUS

NEXT

CREATE

CANCEL

Adding Data Subject

When creating a view, you need to specify the data subjects for this view. A subject is the base object type for which the view shows information.

You can use the **Add Subject** drop-down menu to select the desired data subjects. Or you can enter keywords in the **Add Subject** field and select the desired data subjects from the search result list.

The subject that you specify determines where the view is applicable. If you select more than one subject, the view is applicable for each subject.

Create View

1 - Name & Configuration 2 - Data 3 - Time Settings 4 - Filter 5 - Summary

Add Subject × Group by ×

Selected Subject

Virtual Machine ×

Self

☒ Add Object Name

> Favorites

> Metrics

> Badge

> Capacity Analytics ...

> Configuration

> Cost

- ◆ Additional MTD ...
- ◆ Daily Additional ...
- ◆ Demand Based ...
- ◆ Demand Based ...
- ◆ Demand Based ...
- ◆ Effective CPU MTD ...
- ◆ Effective Daily C...
- ◆ Effective Daily C...
- ◆ Effective Daily M...
- ◆ Effective Daily St...
- ◆ Effective Memor...
- ◆ Effective MTD C...
- ◆ Effective Stora...
- ◆ Monthly Effectiv...
- ◆ Monthly Projecte...
- ◆ MTD Total Cost (...)
- ◆ Potential Savings...

> CPU

> CPU Utilization for R...

> Datastore

> vCenter

- Cluster Compute Resource
- Custom Datacenter
- Datacenter
- Datastore
- Datastore Cluster
- Datastore Folder
- Entity Status

☐ Add instance breakdown

Configuration >>

Configuration

General

Metric name Cost/Effect...

Metric label Cost/Effective

Units US\$

Sort order None

Transformation

Current

No Timestamp

SHOW ADVANCED SETTINGS

Preview source: PoweredOn:sa-m01-vc01.vcf.sddc.local

Name	CPU Demand (%)	Cost/Effective CPU MTD ...
sa-m01-centos-01	2.65 %	0.14 US\$
sa-m01-en01	43.09 %	6.17 US\$
sa-m01-en02	43.39 %	6.17 US\$
sa-m01-nsxt01	47.11 %	19.64 US\$
sa-m01-sddc01	4.29 %	1.22 US\$
sa-m01-vc01	14.4 %	3.92 US\$
sa-m01-vcfa-h2zzq	35.42 %	65.76 US\$
sa-m01-vcops01	9.34 %	2.09 US\$
sa-m01-vcopsfm01	17.5 %	4.12 US\$
sa-m01-vcopsoc01	5.05 %	1.29 US\$
sa-wld01-nsxt01	44.52 %	18.67 US\$
sa-wld01-vc01	8.53 %	4.35 US\$
vCLS-61c50142-eda...	0.53 %	0.04 US\$
vCLS-df180142-1167-...	0.61 %	0.04 US\$
vrli-master	-	0 US\$
vrni-collector	38.5 %	5.05 US\$
vrni-platform	46.91 %	13.62 US\$

1 - 17 of 17 items

PREVIOUS NEXT CREATE CANCEL

Selecting Data Subjects

After you select the data subjects, you need to define the data that VCF Operations collects, calculates, and presents in the view.

When defining data, you can include:

- Properties
- Metrics
- Policies
- Adapter-provided data

To add any data, you need to drag the data from the available data list into the view data area.

Create View

1 - Name & Configuration 2 - Data 3 - Time Settings 4 - Filter 5 - Summary

Add Subject Select a subject x Group by None x

Selected Subject

Virtual Machine x

Self x ☐ Add interval breakdown ☐ Add instance breakdown

☒ Add Object Name ⓘ

Q Search

> Favorites

> Metrics

> Badge

> Capacity Analytics

> Configuration

> Cost

- ◆ Additional MTD ...
- ◆ Daily Additional ...
- ◆ Demand Based ...
- ◆ Demand Based ...
- ◆ Demand Based ...
- ◆ Effective CPU M...
- ◆ Effective Daily C...
- ◆ Effective Daily C...
- ◆ Effective Daily M...
- ◆ Effective Daily St...
- ◆ Effective Memor...
- ◆ Effective MTD C...
- ◆ Effective Storag...
- ◆ Monthly Effectiv...
- ◆ Monthly Projecte...
- ◆ MTD Total Cost (...)
- ◆ Potential Savings...

> CPU

> CPU Utilization for R...

Data Transformation... Related to

CPUIDem... Current

CostEffec... Current

Configuration

Configuration

General

Metric name CostEffect...

Metric label CostEffectiv...

Units US\$

Sort order None

Transformation

Current

No Timestamp

SHOW ADVANCED SETTINGS

Preview source: PoweredOn:sa-m01-vc01.vcf.sddc.local

Name	CPUIDemand (%)	CostEffective CPU MTD ...
sa-m01-centos-01	2.65 %	0.14 US\$
sa-m01-en01	43.09 %	6.17 US\$
sa-m01-en02	43.39 %	6.17 US\$
sa-m01-nsxt01	47.11 %	19.64 US\$
sa-m01-sddc01	4.29 %	1.22 US\$
sa-m01-vc01	14.4 %	3.92 US\$
sa-m01-vcfa-h2zzq	35.42 %	65.76 US\$
sa-m01-vcops01	9.34 %	2.09 US\$
sa-m01-vcopsfm01	17.5 %	4.12 US\$
sa-m01-vcopsoc01	5.05 %	1.29 US\$
sa-wld01-nsxt01	44.52 %	18.67 US\$
sa-wld01-vc01	8.53 %	4.35 US\$
vCLS-61c50142-eda...	0.53 %	0.04 US\$
vCLS-df180142-1167...	0.61 %	0.04 US\$
vrli-master	-	0 US\$
vrni-collector	38.5 %	5.05 US\$
vrni-platform	46.91 %	13.62 US\$

1 - 17 of 17 items

PREVIOUS NEXT CREATE CANCEL

Configuring Data Metrics

For each metric that you drag to the data area, you can configure the general information, transformation type, and advanced settings.

Create View

1 - Name & Configuration

2 - Data

3 - Time Settings

4 - Filter

5 - Summary

Add Subject

Select a subject

×

Group by

None

×

×

Selected Subject

Virtual Machine

×

Self

×

×

☐ Add interval breakdown

☐ Add instance breakdown

✓ Add Object Name

Q Search

Favorites

Metrics

Badge

Capacity Analytics ...

Configuration

Cost

Additional MTD ...

Daily Additional ...

Demand Based ...

Demand Based ...

Demand Based ...

Effective CPU M...

Effective Daily C...

Effective Daily C...

Effective Daily M...

Effective Daily St...

Effective Memor...

Effective MTD C...

Effective Stora...

Monthly Effectiv...

Monthly Projecte...

MTD Total Cost (...)

Potential Savings...

CPU

CPU Utilization for R...

Database

Data

Transformati...

Related to

CPUIDem... Current

CostIEffec... Current

Configuration

Configuration

General

Metric name

CostEffect...

Metric label

CostIEffec...

Units

US\$

Sort order

None

Transformation

Current

No Timestamp

SHOW ADVANCED SETTINGS

Preview source:

PoweredOn:sa-m01-vc01.vcf.sddc.local

↺

↻

Name	CPU/Demand (%)	Cost/Effective CPU MTD ...
sa-m01-centos-01	2.65 %	0.14 US\$
sa-m01-en01	43.09 %	6.17 US\$
sa-m01-en02	43.39 %	6.17 US\$
sa-m01-nsxt01	47.11 %	19.64 US\$
sa-m01-sddc01	4.29 %	1.22 US\$
sa-m01-vc01	14.4 %	3.92 US\$
sa-m01-vcfa-h2zzq	35.42 %	65.76 US\$
sa-m01-vcops01	9.34 %	2.09 US\$
sa-m01-vcopsfm01	17.5 %	4.12 US\$
sa-m01-vcopsoc01	5.05 %	1.29 US\$
sa-wld01-nsxt01	44.52 %	18.67 US\$
sa-wld01-vc01	8.53 %	4.35 US\$
vCLS-61c50142-eda...	0.53 %	0.04 US\$
vCLS-df180142-1167...	0.61 %	0.04 US\$
vrli-master	-	0 US\$
vrni-collector	38.5 %	5.05 US\$
vrni-platform	46.91 %	13.62 US\$

1 - 17 of 17 items

PREVIOUS

NEXT

CREATE

CANCEL

Previewing a View

You can preview a view with sample data or live data. To preview the view with live data, you select the subject or a container in which the subject exists.

The screenshot shows the 'Create View' wizard in VMware vRealize Cloud Manager, specifically the '2 - Data' step. The 'Add Object Name' section is active, showing a tree view of objects. A 'Select an Object' dialog is open, showing a tree view of objects. A 'Preview source' dropdown is set to 'PoweredOn:sa-m01-vc01.vcf.sddc.local'. A table of sample data is displayed on the right.

Object Name	CPU Utilization (%)	Cost (US\$)
sa-m01-centos01	43.96 %	6.17 US\$
sa-m01-en01	44.21 %	6.17 US\$
sa-m01-en02	52.87 %	19.64 US\$
sa-m01-nsxt01	4.32 %	1.22 US\$
sa-m01-sddc01	15.06 %	3.92 US\$
sa-m01-vc01	35.28 %	65.76 US\$
sa-m01-vcfa-h2zzq	11 %	2.09 US\$
sa-m01-vcops01	17.13 %	4.12 US\$
sa-m01-vcopsfm01	5.29 %	1.29 US\$
sa-m01-vcopsoc01	42.23 %	18.67 US\$
sa-wld01-nsxt01	8.57 %	4.35 US\$
sa-wld01-vc01	0.54 %	0.04 US\$
vCLS-61c50142-eda...	0.6 %	0.04 US\$
vCLS-df180142-1167...	-	0 US\$
vrli-master	39.05 %	5.05 US\$
vrni-collector	49.14 %	13.62 US\$
vrni-platform		

Configuring Basic Time Settings

Use the time settings to select the time interval of data transformation. These options are available for all view types, except Image.

In Basic mode, you can select date ranges. You can set a time range for a past period or set a future date for the end of the time period.

When you select a future end date and no data is available, the view is populated by forecast data. Data is collected based on the browser time.

Create View

1 - Name & Configuration

2 - Data

3 - Time Settings

4 - Filter

5 - Summary

Time Range Mode: ☒ Basic ☐ Advanced

Currently selected date range: From May 27, 2025 8:15:34 AM to 8:15:34 AM

☒ Relative Date Range

Last 7 Days

☐ Specific Date Range

Start on: to

☐ Absolute Date Range

Prior

Preview source: PoweredOn:sa-m01-vc01.vcf.sddc.local

Name	CPU/Demand (%)	CostEffective CPU MTD ...
sa-m01-centos-01	2.91 %	0.14 US\$
sa-m01-en01	42.71 %	6.17 US\$
sa-m01-en02	43.16 %	6.17 US\$
sa-m01-nsxt01	45.39 %	19.64 US\$
sa-m01-sddc01	4.2 %	1.22 US\$
sa-m01-vc01	14.38 %	3.92 US\$
sa-m01-vcfa-h2zzq	37.59 %	65.76 US\$
sa-m01-vcops01	9.27 %	2.09 US\$
sa-m01-vcopsfm01	16.91 %	4.12 US\$
sa-m01-vcopsoc01	5.08 %	1.29 US\$
sa-wld01-nsxt01	44.51 %	18.67 US\$
sa-wld01-vc01	8.27 %	4.35 US\$
vCLS-61c50142-eda...	0.55 %	0.04 US\$
vCLS-df180142-1167-...	0.6 %	0.04 US\$
vrli-master	-	0 US\$
vrni-collector	37.84 %	5.05 US\$
vrni-platform	49.77 %	13.62 US\$

1 - 17 of 17 items

PREVIOUS

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CREATE

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Configuring Advanced Time Settings

In Advanced mode, you can select any combination of relative or specific start and end dates.

To preview the view with live data, you select the subject or a container in which the subject exists.

Create View

1 - Name & Configuration

2 - Data

3 - Time Settings

4 - Filter

5 - Summary

Time Range Mode: ☐ Basic ☒ Advanced

Currently selected date range: From Dec 3, 2024 8:24:27 AM to Mar 1, 2025 1:00:00 AM

☒ Relative Start Date

Start on:

Previous

6

Months

☐ Specific Start Date

Start on:

☐ Relative End Date

End on:

Now

☒ Specific End Date

End on:

3/1/25

12:00 AM

☒ Business Hours

Monday

12:00 AM

12:00 AM

Tuesday

12:00 AM

12:00 AM

Wednesday

12:00 AM

12:00 AM

Thursday

12:00 AM

12:00 AM

Friday

5:00 AM

8:00 PM

Saturday

10:00 AM

4:15 PM

Sunday

10:00 AM

4:15 PM

Preview source: PoweredOn:sa-m01-vc01.vcf.sddc.local

Name	CPU/Demand (%)	CostEffective CPU MTD ...
sa-m01-centos-01	2.91 %	0.14 US\$
sa-m01-en01	42.71 %	6.17 US\$
sa-m01-en02	43.16 %	6.17 US\$
sa-m01-nsxt01	45.39 %	19.64 US\$
sa-m01-sddc01	4.2 %	1.22 US\$
sa-m01-vc01	14.38 %	3.92 US\$
sa-m01-vcfa-h2zzq	37.59 %	65.76 US\$
sa-m01-vcops01	9.27 %	2.09 US\$
sa-m01-vcopsfm01	16.91 %	4.12 US\$
sa-m01-vcopsoc01	5.08 %	1.29 US\$
sa-wld01-nsxt01	44.51 %	18.67 US\$
sa-wld01-vc01	8.27 %	4.35 US\$
vCLS-61c50142-eda...	0.55 %	0.04 US\$
vCLS-df180142-1167-...	0.6 %	0.04 US\$
vrll-master	-	0 US\$
vrni-collector	37.84 %	5.05 US\$
vrni-platform	49.77 %	13.62 US\$

1 - 17 of 17 items

PREVIOUS

NEXT

CREATE

CANCEL

Configuring a Data Filter

The filter option allows you to add additional criteria when the view displays too much information.

You can filter based on object metrics and object properties. To configure a data filter, you need to specify the data type, the data, the data value (historical high/low or timestamp), the logical operator, and a reference value.

You can add multiple criteria to the criteria set. The filter returns results that match all the specified criteria.

Create View

1 - Name & Configuration2 - Data3 - Time Settings4 - Filter5 - Summary

Virtual Machine filter

REMOVE CRITERIA

Select the Object Type that matches all of the following criteria: Virtual Machine

Metrics

CPUDemand (%)

Current

is less than

20

Or

REMOVE CRITERIA

Select the Object Type that matches all of the following criteria: Virtual Machine

Metrics

Pick a metric

Current

--Select--

Metric value

ADD ANOTHER CRITERIA SET

Preview source: PoweredOn:sa-m01-vc01.vcf.sddc.local

Name	CPUDemand (%)	CostEffective CPU MTD ...
sa-m01-centos-01	2.91 %	0.14 US\$
sa-m01-en01	42.71 %	6.17 US\$
sa-m01-en02	43.16 %	6.17 US\$
sa-m01-nsxt01	45.39 %	19.64 US\$
sa-m01-sddc01	4.2 %	1.22 US\$
sa-m01-vc01	14.38 %	3.92 US\$
sa-m01-vcfa-h2zzq	37.59 %	65.76 US\$
sa-m01-vcops01	9.27 %	2.09 US\$
sa-m01-vcopsfm01	16.91 %	4.12 US\$
sa-m01-vcopsoc01	5.08 %	1.29 US\$
sa-wld01-nsxt01	44.51 %	18.67 US\$
sa-wld01-vc01	8.27 %	4.35 US\$
vCLS-61c50142-eda...	0.55 %	0.04 US\$
vCLS-df180142-1167...	0.6 %	0.04 US\$
vrli-master	-	0 US\$
vrni-collector	37.84 %	5.05 US\$
vrni-platform	49.77 %	13.62 US\$

1 - 17 of 17 items

PREVIOUS

NEXT

CREATE

CANCEL

vmware®
by Broadcom

Adding a View Summary

You can add more than one summary row or column and configure each to show different aggregations.

Create View

1 - Name & Configuration

2 - Data

3 - Time Settings

4 - Filter

5 - Summary

ADD SUMMARY

Summary

Summary

Configuration

Configuration

Summary titleSummary

AggregationAverage

Select data to include/exclude

☒ Data

☒ CPU/Demand (%)

☒ Cost/Effective CPU MTD Cost (US\$)

HIDE ADVANCED SETTINGS

Preview source: PoweredOn:sa-m01-vc01.vcf.sddc.local

Name	CPU/Demand (%)	Cost/Effective CPU MTD ...
sa-m01-centos-01	2.91 %	0.14 US\$
sa-m01-en01	42.71 %	6.17 US\$
sa-m01-en02	43.16 %	6.17 US\$
sa-m01-nsxt01	45.39 %	19.64 US\$
sa-m01-sddc01	4.2 %	1.22 US\$
sa-m01-vc01	14.38 %	3.92 US\$
sa-m01-vcfa-h2zzq	37.59 %	65.76 US\$
sa-m01-vcops01	9.27 %	2.09 US\$
sa-m01-vcopsfm01	16.91 %	4.12 US\$
sa-m01-vcopsoc01	5.08 %	1.29 US\$
sa-wld01-nsxt01	44.51 %	18.67 US\$
sa-wld01-vc01	8.27 %	4.35 US\$
VCLS-61c50142-eda...	0.55 %	0.04 US\$
VCLS-df180142-1167...	0.6 %	0.04 US\$
vrll-master	-	0 US\$
vrni-collector	37.84 %	5.05 US\$
vrni-platform	49.77 %	13.62 US\$

1 - 17 of 17 items

PREVIOUS

NEXT

CREATE

CANCEL

Distribution View Configuration: Visualization

For the Distribution view, you create a pie chart, a bar chart, or donut chart, and specify the Distribution Type. It determines the distribution of objects to buckets.

The colors of the slices in a pie or donut chart appear in the order defined by the default color palette. You can set alternative colors for the chart.

Create View

1 - Name & Configuration

2 - Data

3 - Time Settings

4 - Filter

Name

VM Distribution View

Description

Configuration

Visualization

Donut Chart

Coloring

Colorize

Select color

Distribution Type

Dynamic distribution

Manual distribution

Discrete distribution

Summary

Buckets

Count

10

Size

Interval

Logarithmic bucketing

Simple Max/Min bucketing

Settings

PREVIOUS

NEXT

CREATE

CANCEL

Preview source: PoweredOn:sa-m01-vc01.vcf.sddc.local

CPUIDemand (%)

2 (12.5%)

4 (25...)

3 (...)

2 (12.5%)

1 (6.25%)

Total

16

0.58 - 5.43 (%)

5.43 - 10.27 (%)

15.11 - 19.95 (%)

34.48 - 39.32 (%)

39.32 - 44.16 (%)

44.16 - 49 (%)

Distribution View Configuration: Distribution Type

The VCF Operations view distribution type provides aggregated data about resource distribution in the monitored environment.

Create View

1 - Name & Configuration

2 - Data

3 - Time Settings

4 - Filter

Name

VM Distribution View

Description

Configuration

Visualization

Donut Chart

Coloring

Colorize

Select color

Distribution Type

Dynamic distribution

Manual distribution

Discrete distribution

Summary

Buckets

Count

10

Size

Interval

Logarithmic bucketing

Simple Max/Min bucketing

Settings

Preview source: PoweredOn:sa-m01-vc01.vcf.sddc.local

CPU/Demand (%)

Segment	Count	Percentage	Range (%)
1	1	6.25%	0.58 - 5.43
2	2	12.5%	5.43 - 10.27
3	3	18.75%	10.27 - 15.11
4	4	25%	15.11 - 19.95
5	5	31.25%	19.95 - 34.48
6	6	37.5%	34.48 - 39.32

PREVIOUS

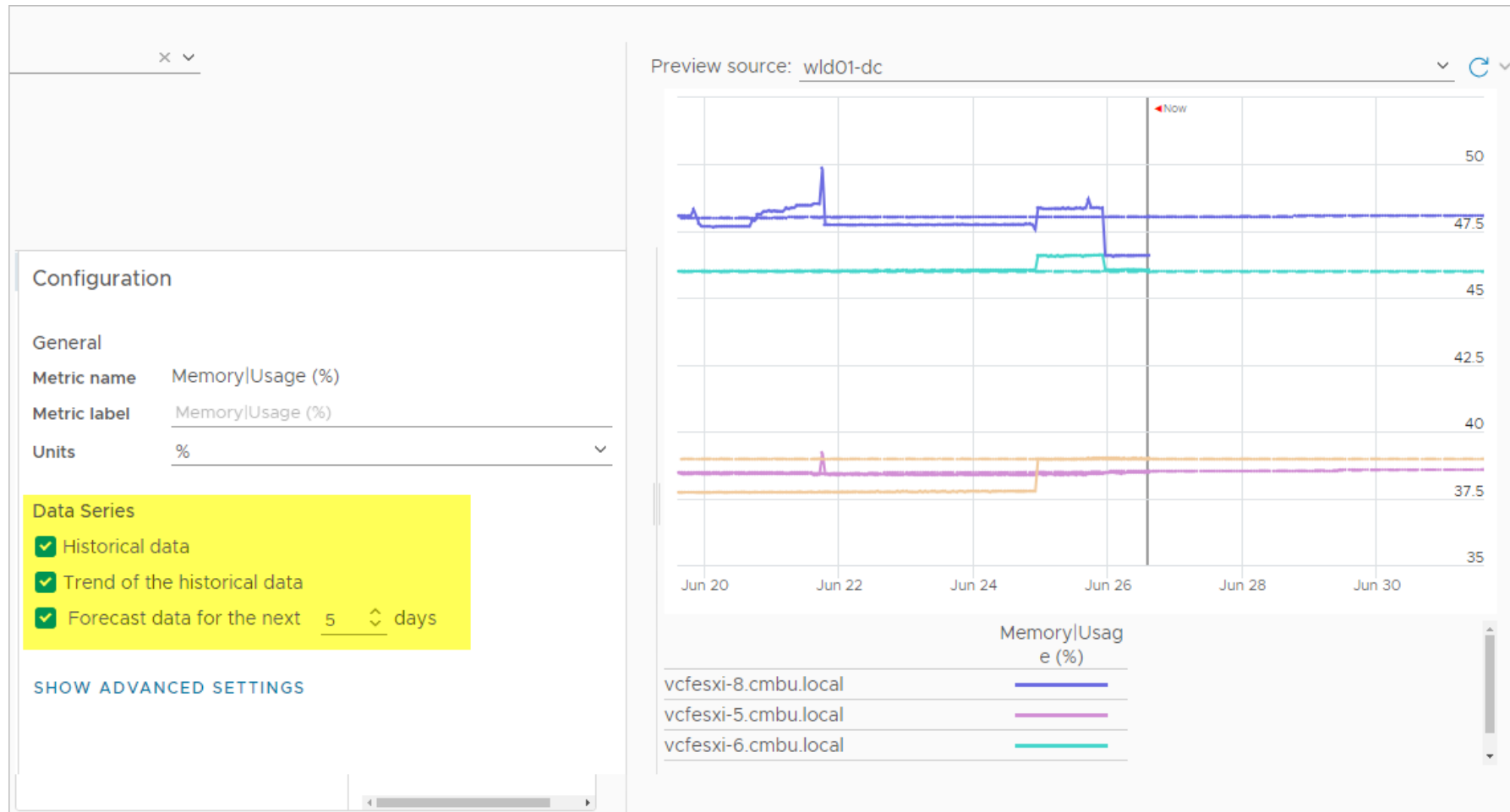
NEXT

CREATE

CANCEL

Trend View Configuration

The **Configuration** pane for a view is specific to the type of view that you select. To configure a Trend view, you specify whether you want to use the historical data, forecast data, or both.



Managing Views

You can perform the following actions on views:

- **Edit** a view: When you edit a view, all changes are applied to report templates that contain the view.
- **Delete** a view: When you delete a view, the view is removed from all the report templates that contain the view.
- **Clone** a view: When you clone a view, the changes that you make to the clone do not affect the source view.
- **Export** a view: You can download and share the view configuration details in a ZIP file.

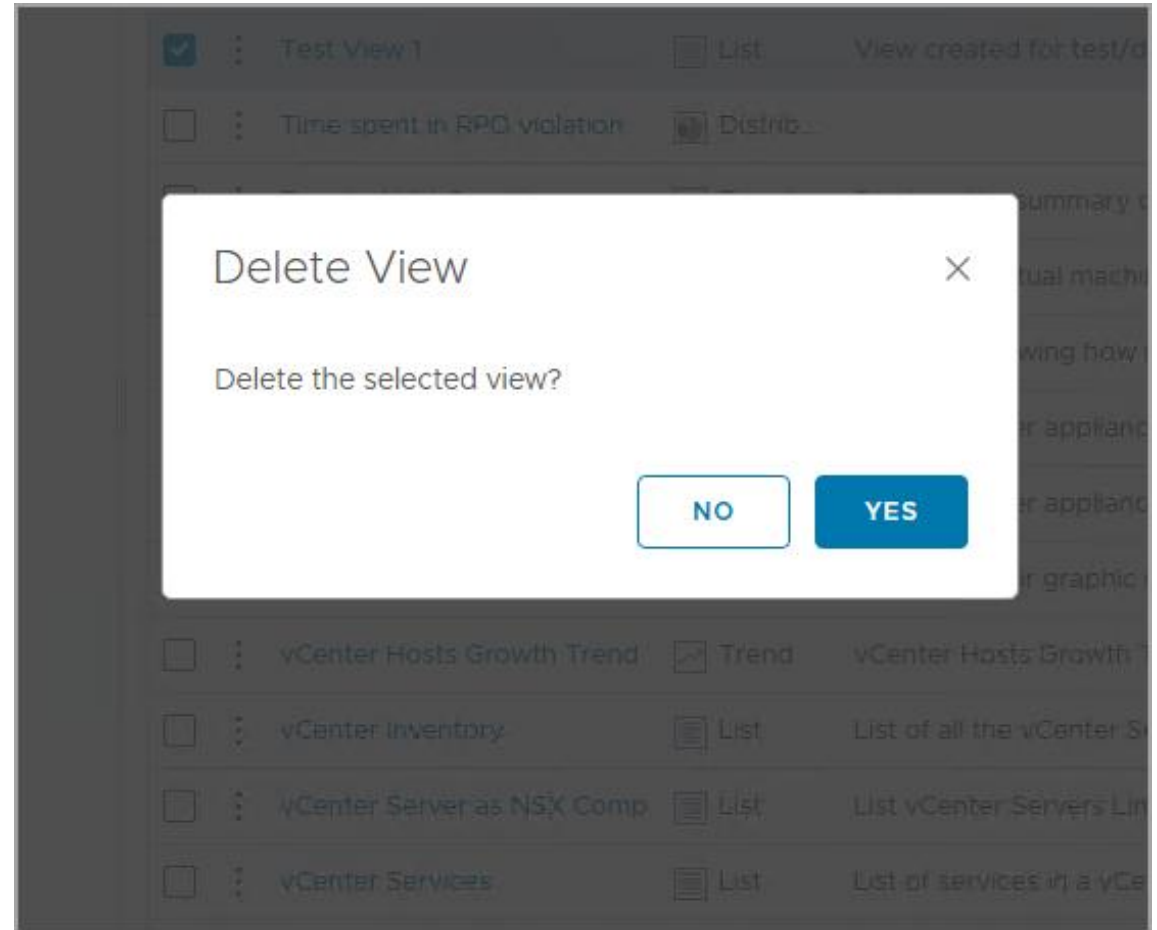
The screenshot displays the VMware vSphere Views management interface. The left sidebar contains navigation links: Dashboards, Views (selected), Reports, and Create. The main area is titled 'Views' and has tabs for 'Overview' and 'Manage'. The 'Manage' tab is active, showing a table of views. A context menu is open over the 'VIH VCF HRM - Certificate H...' view, showing options: Edit, Delete, Clone, and Export. The table columns include Name, Type, Description, Subject, Dashboard Usage, Report Usage, Last Modified, and Modified By. The bottom of the table shows pagination: 601 - 650 of 796 items.

Name	Type	Description	Subject	Dashboard Usage	Report Usage	Last Modified	Modified By
VIH VCF HRM - Certificate H...	List	Monitors the certificate d...	Automatio...	1	0	5/10/25 1:13 A	admin
VIH VCF HRM - Certificate H...	List	Monitors the certificate h...	Host Syste...	1	0	5/10/25 1:13 A	admin
VIH VCF HRM - Connectivity	List	Monitors the connectivity...	Automatio...	2	0	5/10/25 1:13 A	admin
VIH VCF HRM - Connectivity	List	Monitors the connectivity...	Automatio...	2	0	5/10/25 1:13 A	admin
VIH VCF HRM - DNS Status	List	Monitors the DNS forwar...	Automatio...	2	0	5/10/25 1:13 A	admin
VIH VCF HRM - Certificate H...	List	Shows the list of domains	VCF Doma...	1	0	5/10/25 1:13 A	admin
VIH VCF HRM - Certificate H...	List	Monitors the metrics for f...	SDDC Man...	1	0	5/10/25 1:13 A	admin
VIH VCF HRM - NTP Status	List	Monitors if the NTP Confi...	Automatio...	2	0	5/10/25 1:13 A	admin
VIH VCF HRM - Password H...	List	Monitors the password h...	Automatio...	1	0	5/10/25 1:13 A	admin
VIH VCF HRM - Password H...	List	Monitors the password h...	Host Syste...	1	0	5/10/25 1:13 A	admin
VIH VCF HRM Apps	List	Shows the list of VCF ap...	Automatio...	1	0	5/10/25 1:13 A	admin
Virtual Machine Capacity Ov...	List	Capacity overview of all t...	Virtual Ma...	0	2	5/10/25 1:11 A	admin
Virtual Machine Configurati...	Text	Recommendation about ...		1	0	5/10/25 1:11 A	admin
Virtual Machine Configurati...	List	Virtual Machine Configur...	Virtual Ma...	0	2	5/10/25 1:11 A	admin
Virtual Machine Configurati...	List	Virtual Machine Configur...	Virtual Ma...	0	0	5/10/25 1:11 A	admin
Virtual Machine CPU Demar...	Distri...	This view shows a bar ch...	Virtual Ma...	0	0	5/10/25 1:11 A	admin
Virtual Machine Disk and Fil...	List	List of VMs with all the di...	Virtual Ma...	0	0	5/10/25 1:11 A	admin
Virtual Machine Disk I/O Lat...	Trend	Show the last 24 hours o...	Virtual Ma...	0	0	5/10/25 1:11 A	admin
Virtual Machine Hardware S...	List	Virtual Machine Hardwar...	Virtual Ma...	0	0	5/10/25 1:11 A	admin
Virtual Machine Inventory	List	List of all the Virtual Mac...	Virtual Ma...	0	2	5/10/25 1:11 A	admin
Virtual Machine Inventory S...	List	This view provides a list ...	Virtual Ma...	0	0	5/10/25 1:11 A	admin

Deleting a View

When a view is deleted, several areas in the user interface are affected:

- Report templates: The view is removed from the report template.
- Dashboards: The View widget appears. The view does not exist.
- **Further Analysis** pane on the **Analysis** tab: The link to the view is removed.
- **Views** tab for the selected object: The view is removed from the list.



Lab: Creating a Custom View

Create a view to display the VM information:

1. Create a View that Provides the VM Configuration Details
2. Define the Data to Include in the VM Configuration Details View
3. Preview Live Data in the VM Configuration Details View
4. Add a Summary Row to the VM Configuration Details View

Review of Learner Objectives

- Outline the role of views in VCF Operations
- Create a basic custom view and configure view settings

Viewing and Managing Reports



Learner Objectives

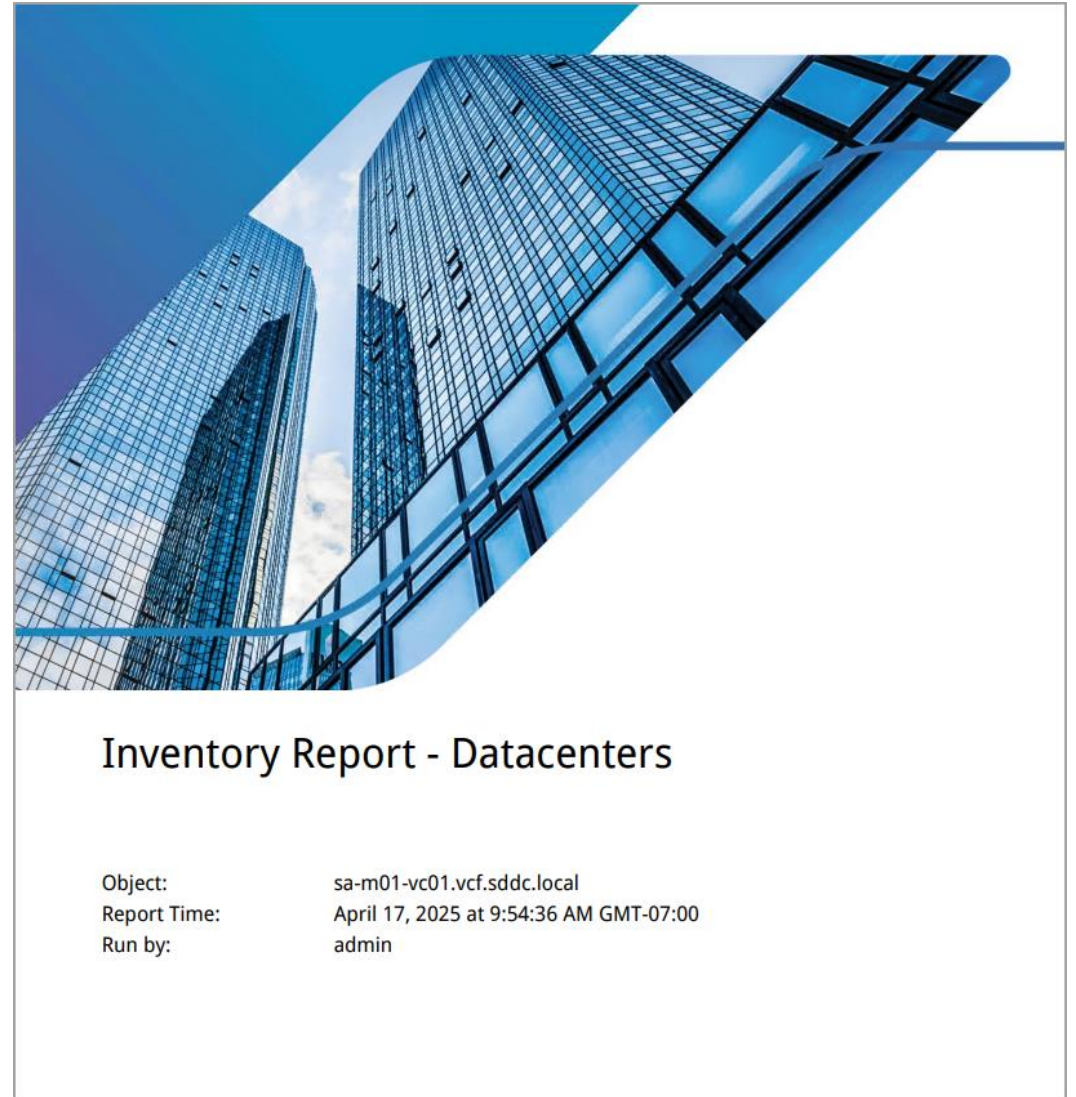
- Outline the roles of reports in VCF Operations
- Create a basic report and configure report settings
- Create a custom report template

Understanding Reports

With the VCF Operations reporting functions, you can generate a report to capture details about the current or predicted resource needs.

A report is a scheduled snapshot of views and dashboards. Reports represent objects and metrics and can also contain a cover page, table of contents, and footer.

You can download the report in a PDF or CSV file format for future and offline needs.



Report Templates

A report template is a predefined container of one or more views in a specified order. You can access the report templates under **Infrastructure Operations > Dashboards & Reports > Reports**.

The screenshot displays the VMware Cloud Foundation Operations console. The left sidebar contains a navigation menu with the following items: Home, Inventory, Infrastructure Operations (expanded), Diagnostic Findings, VCF Health, Dashboards & Reports (highlighted), Alerts, Troubleshooting Workbench, Analyze, Storage Operations, Network Operations, Data Protection & Recovery, Automation Central, Configurations, Workload Operations, Fleet Management, Capacity, Security, License Management, Administration, and Developer Center. The main content area is titled 'Reports' and has two tabs: 'Report Templates' (selected) and 'Generated Reports'. Below the tabs, there is a search bar and a table of report templates. The table has columns for Name, Description, Subject, Generate..., Schedules, Last Modified, Last run, and Modified By. The first row, 'Capacity Report - Datastores', is selected. The table lists 20 report templates in total.

<input type="checkbox"/>	Name ↑	Description	Subject	Generate...	Schedules	Last Modified	Last run	Modified By
<input checked="" type="checkbox"/>	Capacity Report - Datastores	This report provides d...	Cluster Compute Reso...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Capacity Report - Distributed Port Group	This report provides d...	vSphere Distributed P...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Capacity Report - Distributed Switch	This report provides d...	vSphere Distributed S...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Capacity Report - Environment	This report provides a ...	Cluster Compute Reso...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Capacity Report - Pods	This report provides d...	Cluster Compute Reso...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Capacity Report - Virtual Machines	This report provides d...	Cluster Compute Reso...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Capacity Report - vSphere Cluster Alloc...	This report provides d...	Cluster Compute Reso...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Capacity Report - vSphere Clusters	This report provides d...	Cluster Compute Reso...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Capacity Report - vSphere Hosts	This report provides d...	Host System	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Cluster Cost Report	Report that contains d...	Cluster Compute Reso...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Compliance Report - vSphere Security C...	This report shows all t...	Symptom	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Configuration Report - Datastores	This report helps track...	Datastore	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Configuration Report - Environment	This report provides a ...	Cluster Compute Reso...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Configuration Report - Namespaces	This report helps track...	Namespace	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Configuration Report - Pods	This report helps track...	Pod	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Configuration Report - Supervisor Cluste	This report helps track...	Cluster Compute Reso...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Configuration Report - Virtual Machines	This report helps track...	Virtual Machine	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Configuration Report - vSphere Clusters	This report helps track...	Cluster Compute Reso...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Configuration Report - vSphere Distribut	This report helps track...	vSphere Distributed P...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Configuration Report - vSphere Distribut	This report helps track...	vSphere Distributed S...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Configuration Report - vSphere Hosts	This report helps track...	Host System	0	0	5/10/25 1:11	-	admin

1 - 50 of 62 items

Creating a Report Template

You can create a custom report template based on your requirements. To add a custom template, click the **ADD** button or click **+ Create**.

You need to complete the following tasks when creating a custom report template:

1. Setting name and description.
2. Adding views and dashboards.
3. Configuring layout and format.

The screenshot displays the VMware vSphere Reports management interface. On the left sidebar, the 'Reports' section is selected, and the '+ Create' button is highlighted. The main area shows a table of existing report templates. The table has columns for Name, Description, Subject, Generate, Schedules, Last Modified, Last run, and Modified By. The table lists various capacity and configuration reports for different vSphere components.

	Name ↑	Description	Subject	Generate...	Schedules	Last Modified	Last run	Modified By
<input type="checkbox"/>	Capacity Report - Datastores	This report provides d...	Cluster Compute Reso...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Capacity Report - Distributed Port Group	This report provides d...	vSphere Distributed P...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Capacity Report - Distributed Switch	This report provides d...	vSphere Distributed S...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Capacity Report - Environment	This report provides a ...	Cluster Compute Reso...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Capacity Report - Pods	This report provides d...	Cluster Compute Reso...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Capacity Report - Virtual Machines	This report provides d...	Cluster Compute Reso...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Capacity Report - vSphere Cluster Alloc...	This report provides d...	Cluster Compute Reso...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Capacity Report - vSphere Clusters	This report provides d...	Cluster Compute Reso...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Capacity Report - vSphere Hosts	This report provides d...	Host System	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Cluster Cost Report	Report that contains d...	Cluster Compute Reso...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Compliance Report - vSphere Security C...	This report shows all t...	Symptom	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Configuration Report - Datastores	This report helps track...	Datastore	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Configuration Report - Environment	This report provides a ...	Cluster Compute Reso...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Configuration Report - Namespaces	This report helps track...	Namespace	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Configuration Report - Pods	This report helps track...	Pod	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Configuration Report - Supervisor Cluste...	This report helps track...	Cluster Compute Reso...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Configuration Report - Virtual Machines...	This report helps track...	Virtual Machine	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Configuration Report - vSphere Clusters	This report helps track...	Cluster Compute Reso...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Configuration Report - vSphere Distribut...	This report helps track...	vSphere Distributed P...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Configuration Report - vSphere Distribut...	This report helps track...	vSphere Distributed S...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Configuration Report - vSphere Hosts...	This report helps track...	Host System	0	0	5/10/25 1:11	-	admin

1 - 50 of 62 items

Adding Views and Dashboards to a Report Template

To add a view or a dashboard to your report template, select the view or dashboard from the list in the right pane and drag it to the main **Report Template Structure** pane.

You can use the **Views and Dashboards** toggle to switch between a list of views and a list of dashboards. You can add multiple views and dashboards to a single report template.

Create Report Template

1 - Name and Description

2 - Report Content

3 - Layout and Format

Report Template Structure

Cost Optimization

Cluster Cost Details

Views and Dashboards

cost

Assess Cost

Business Applications Cost vs. Price

Cost & Reclamation Summary

Cost Optimization

Datcenter Cost Drivers

Potential Cost Savings

Realized Cost Savings

Showback (Business Application Cost)

Showback (VM Cost)

Showback (vSphere Pod Cost)

Total Cost of Ownership

VCF Automation Chargeback Organization Cost vs Price

VCF Automation Chargeback Project Cost vs Price

VCF Automation Namespace Cost vs Price

VCF Automation Showback Organization Cost

VCF Automation Showback Project Cost

VM Cost vs. Price

PREVIOUS

NEXT

CREATE

CANCEL

1 - 17 of 17 items

Configuring the Report Layout

The report template provides the following layout options:

- Select **Cover Page** to include an image up to 5 MB. The default report size is 8.5 inches by 11 inches. The image is resized to fit the report front page.
- Select **Table of contents** to include a list of the template parts, organized in the order of their appearance in the report.
- Select **Footer** to include the date when the report is created and when VCF Operations creates the report with the page number.

Create Report Template

1 - Name and Description 2 - Report Content 3 - Layout and Format

Report Template Structure

Cluster Cost Analysis

Object: Sample Resource Name
Report Time: 6/3/25 4:36 PM
Run by: admin

vmware
by Broadcom

Table of contents

1. Cost Optimization	3
2. Cluster Cost Details	4
3. Cost Summary	5

Settings

Layout Options

☒ Cover Page

Default Cover Page [BROWSE...](#)

Maximum image size 5MB

Font Color black white

☒ Table of contents

☒ Footer

Format

☒ PDF
Good for sharing with people who need to print it out.

☒ CSV
Good for exporting data to be used by other data analysis applications.

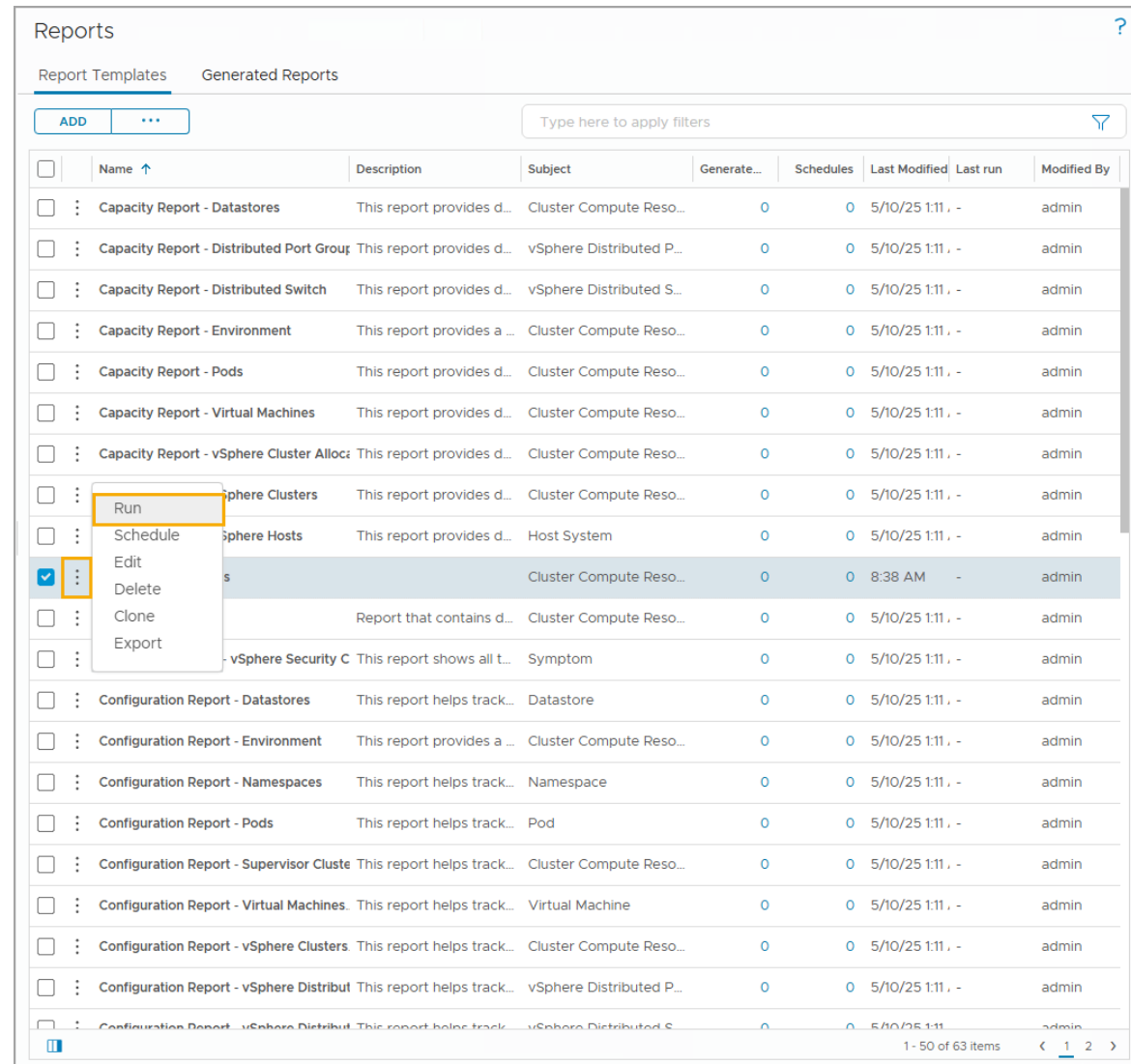
[PREVIOUS](#) [NEXT](#) [CREATE](#) [CANCEL](#)

Generating Reports

Any predefined or user-created template is available on the **Report Templates** tab.

Click the vertical ellipsis next to the template name and click **Run** to generate a report.

You can see the number of reports generated from each template and when it was last used.



Reports								
Report Templates		Generated Reports						
ADD		Type here to apply filters						
<input type="checkbox"/>	Name ↑	Description	Subject	Generate...	Schedules	Last Modified	Last run	Modified By
<input type="checkbox"/>	Capacity Report - Datastores	This report provides d...	Cluster Compute Reso...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Capacity Report - Distributed Port Group	This report provides d...	vSphere Distributed P...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Capacity Report - Distributed Switch	This report provides d...	vSphere Distributed S...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Capacity Report - Environment	This report provides a ...	Cluster Compute Reso...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Capacity Report - Pods	This report provides d...	Cluster Compute Reso...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Capacity Report - Virtual Machines	This report provides d...	Cluster Compute Reso...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Capacity Report - vSphere Cluster Alloc	This report provides d...	Cluster Compute Reso...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Capacity Report - vSphere Clusters	This report provides d...	Cluster Compute Reso...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Capacity Report - vSphere Hosts	This report provides d...	Host System	0	0	5/10/25 1:11	-	admin
<input checked="" type="checkbox"/>	Capacity Report - vSphere Clusters	This report provides d...	Cluster Compute Reso...	0	0	8:38 AM	-	admin
<input type="checkbox"/>	Capacity Report - vSphere Security C	This report shows all t...	Symptom	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Configuration Report - Datastores	This report helps track...	Datastore	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Configuration Report - Environment	This report provides a ...	Cluster Compute Reso...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Configuration Report - Namespaces	This report helps track...	Namespace	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Configuration Report - Pods	This report helps track...	Pod	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Configuration Report - Supervisor Cluste	This report helps track...	Cluster Compute Reso...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Configuration Report - Virtual Machines	This report helps track...	Virtual Machine	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Configuration Report - vSphere Clusters	This report helps track...	Cluster Compute Reso...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Configuration Report - vSphere Distribut	This report helps track...	vSphere Distributed P...	0	0	5/10/25 1:11	-	admin
<input type="checkbox"/>	Configuration Report - vSphere Distribut	This report helps track...	vSphere Distributed S...	0	0	5/10/25 1:11	-	admin

1 - 50 of 63 items

Viewing Generated Reports









You can view generated reports on the **Generated Reports** tab. You can download the selected report or delete any generated reports.

Reports ?

Report Templates Generated Reports

DELETE

Type here to apply filters

<input type="checkbox"/>	Completion Date/Time	Report Name	Subject	Owner	Executed for	Status	Download
<input checked="" type="checkbox"/>	21 seconds ago	Capacity Report - vSphere Clusters	Cluster Compute ...	admin	EDU-ci01	Completed	 
<input type="checkbox"/>	26 seconds ago	Capacity Report - Virtual Machines	Cluster Compute ...	admin	esx-1.vcf.sddc.loc...	Completed	 
<input type="checkbox"/>	35 seconds ago	Capacity Report - Pods	Cluster Compute ...	admin	sa-m01-vc01.vcf.s...	Completed	 
<input type="checkbox"/>	38 seconds ago	Cluster Cost Analysis	Cluster Compute ...	admin	EDU-dc01	Completed	 

1 - 4 of 4 items

Regenerating Reports

All reports that are generated for a selected object appear on the **Generated Reports** tab.

You can download or run the selected report again from this location.









Regenerating a report increments the Generated reports number. The maximum number of reports generated per template is 10.


Reports

Report TemplatesGenerated Reports

DELETE

Type here to apply filters

<input type="checkbox"/>		Report Name	Subject	Owner	Executed for	Status	Download
<input checked="" type="checkbox"/>	<div>⋮</div>	Capacity Report - vSphere Clusters	Cluster Compute ...	admin	EDU-cl01	Completed	 
<input type="checkbox"/>	<div>⋮</div>	Capacity Report - Virtual Machines	Cluster Compute ...	admin	esx-1.vcf.sddc.loc...	Completed	 
<input type="checkbox"/>	<div>⋮</div> 35 seconds ago	Capacity Report - Pods	Cluster Compute ...	admin	sa-m01-vc01.vcf.s...	Completed	 
<input type="checkbox"/>	<div>⋮</div> 38 seconds ago	Cluster Cost Analysis	Cluster Compute ...	admin	EDU-dc01	Completed	 

1 - 4 of 4 items

Scheduling a Report

To generate a report on a selected date, time, and recurrence, you select the object to run the report against and create a schedule for the report template.

The screenshot displays the VMware vSphere Reports interface. The 'Report Templates' tab is active, showing a list of report templates. A context menu is open for the 'Capacity Report - vSphere Hosts' template, with the 'Schedule' option highlighted. A blue arrow points from the 'Schedule' option to the 'Schedule Capacity Report - vSphere Hosts' dialog box.

The dialog box is titled 'Schedule Capacity Report - vSphere Hosts' and is divided into two main sections: '1 Select an Object' and '2 Define Schedule'.

1 Select an Object: This section is currently empty.

2 Define Schedule: This section contains the following fields:









- Recurrence:**
 - Time zone: (GMT-08:00) Pacific Time (US & C)
 - Start hour: 8:00 AM
 - Start date: 6/3/25
 - Recurrence: Every 1 weeks on:
 - ☐ Sunday
 - ☐ Monday
 - ☒ Tuesday
 - ☐ Wednesday
 - ☐ Thursday
 - ☒ Friday
 - ☐ Saturday
- Publishing:**
 - ☒ Email report
 - Email addresses: it-main-group@vmbeams.com
 - Cc: john.doe@vmbeams.com
 - Select an outbound rule: SMTP - IT Standard
 - ☒ Save to external location
 - Select a location: Report Depot
 - Relative Path: /ns0/report/scheduled

At the bottom of the dialog box, there are three buttons: 'CANCEL', 'BACK', and 'FINISH'.

Understanding Report Template Ownership

By default, the owner of the report template is the user who creates the template. Any VCF Operations user can see the report template and run the template to generate reports. A generated report is user specific.

When the user is deleted, all the report templates owned by the user are automatically transferred to the System account.

Reports							
Report Templates		Generated Reports					
DELETE		Type here to apply filters					
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<input type="checkbox"/>	38 seconds ago	Cluster Cost Analysis	Cluster Compute ...	admin	EDU-dc01	Completed	 

Best Practices for Creating and Using Views and Reports

When you create or use views and reports, you can follow these best practices:

- Use views and reports that are available and predefined: Use the predefined views and reports that provide the needed information.
- Clone views or reports to make changes and rename with your company's naming convention: If minor changes are needed from a predefined view or report, clone the predefined view or report before making changes and save it with a naming convention that identifies the company. The cloned view or report can be easily identified and exported for future use.
- Create customized views and reports: Customize views and reports based on the dashboards and reports that must show the precise information. Use your customized views for your customized dashboards and customized reports.

Lab: Creating Custom Report Templates

Create report templates that can generate required information about your private cloud environment:

1. Create a Report Template Using the Virtual Machine Configuration Summary View
2. Create a Report Template Using Two Dashboards

Review of Learner Objectives

- Outline the roles of reports in VCF Operations
- Create a basic report and configure report settings
- Create a custom report template