# **VCF Operations Policies**



#### **Importance**

VCF Operations policies help to analyze and display information about the objects in your environment. These policies enable you to create and manage policies for various aspects, including security, sampling, and pricing, to optimize your IT operations and ensure compliance.



**VCF Operations Policies** 





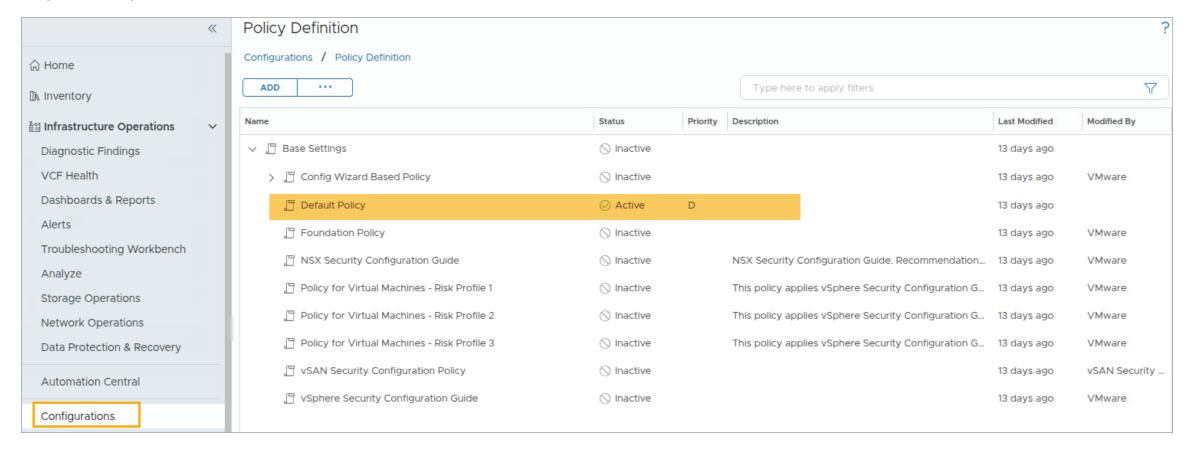
# **Learner Objectives**

- Use policies to analyze information about various object types and objects in your environment
- Configure policies and other components
- Perform the importing and exporting of content



#### **About Policies**

A policy is a set of rules that you define for VCF Operations to analyze and display information about the objects in your Private Cloud environment.





#### Relating Policies and Environment

VCF Operations policies support the operational decisions for your IT infrastructure and business units:

- With policies, you control the data that VCF Operations collects and reports for specific objects in your Private Cloud environment.
- When you manage policies, you must understand the operational priorities for your Private Cloud environment and tolerances for alerts and symptoms to meet the requirements for your business-critical applications.
- VCF Operations applies the policies in the priority order.



#### **Designing Policies**

Implementing policy decisions in VCF Operations is typically the responsibility of the Infrastructure Administrator or the Virtual Infrastructure Administrator, but users who have privileges can also create and modify policies.

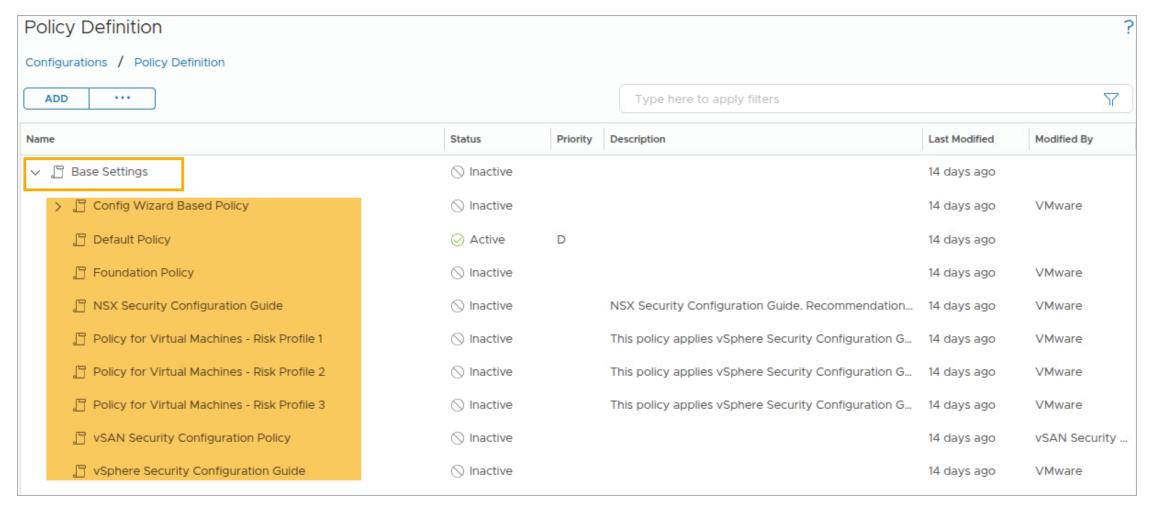
You must be aware of the policies established to analyze and monitor the resources in your Private Cloud IT infrastructure:

- If you are a Network Operations engineer, you must understand how policies impact the data that VCF
  Operations reports on objects and which policies assigned to those objects trigger alerts and issues.
- If you are the person whose role is to recommend an initial setup for policies, you typically edit and configure the policies in VCF Operations.
- If your primary role is to assess problems that occur in your environment, but you do not have the
  responsibility to change the policies, you must still understand how the policies applied to objects affect
  the data that appears in VCF Operations. For example, you might need to know which policies apply to
  objects that are associated with particular alerts.
- If you are a typical application user who receives reports from VCF Operations, you must have a high-level understanding of the operational policies so that you can understand the reported data values.



# **About Base Settings**

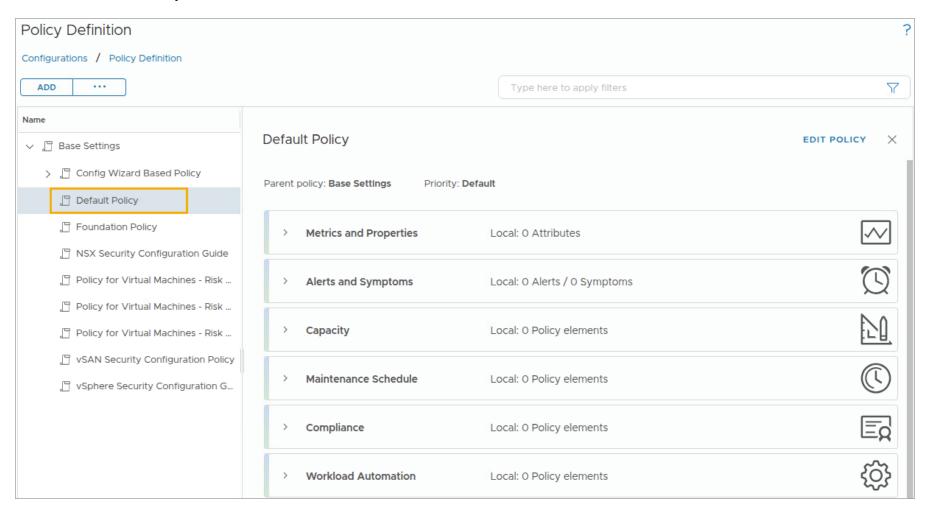
The Base Settings policy is the starting point for all policies. All policies are derived from base settings.





# About the Default Policy

By default, the default policy is assigned to all vSphere objects. This policy is automatically created when you configure the VCF adapter for the first time.

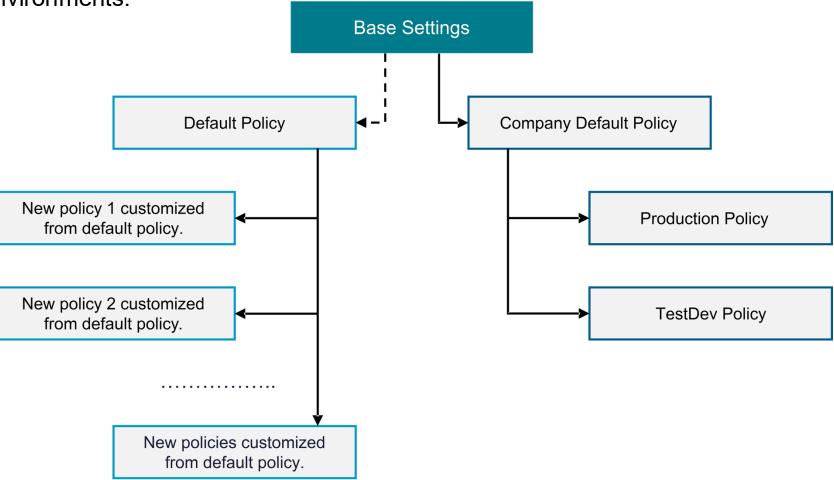




#### Policy Example

You must verify that your private cloud environment confirms to your company's policies. You create a default policy for your company. You must also create separate policies for the production, test, and

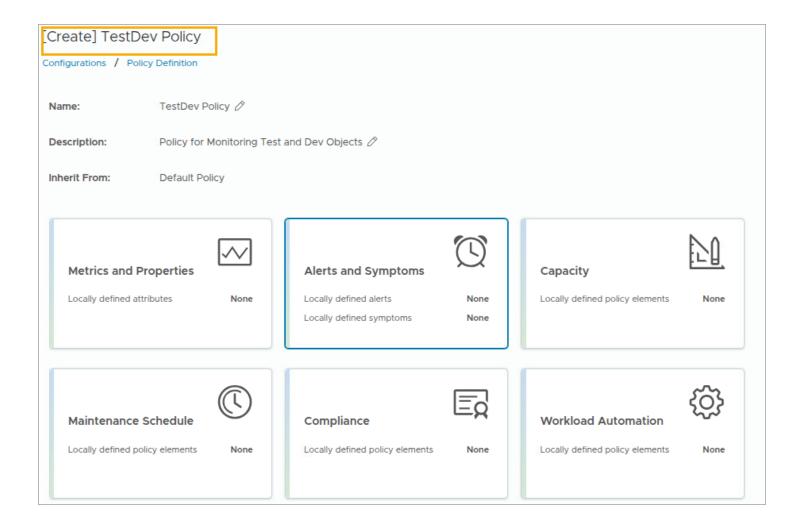
development environments.





# Policy Workspace: Creating Policy

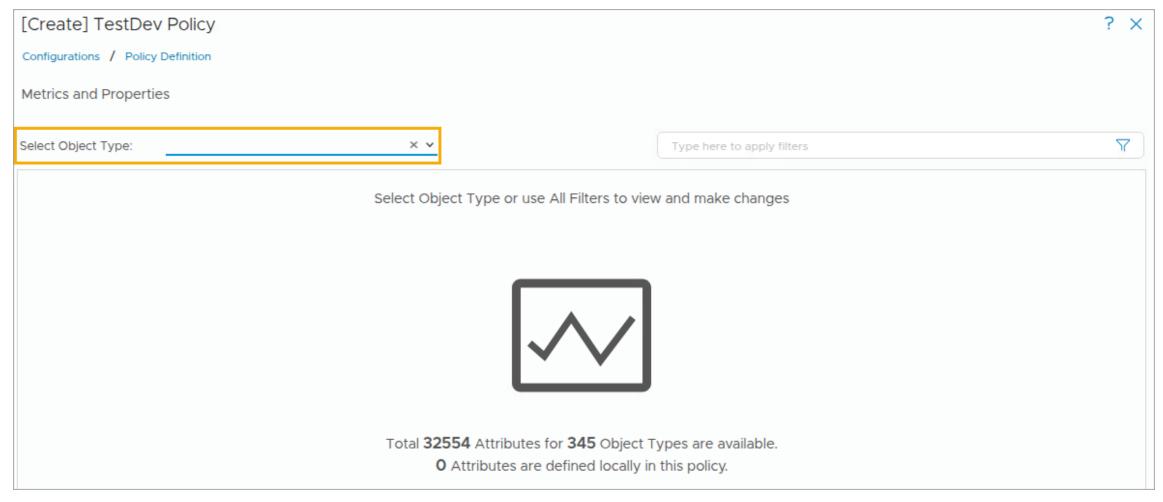
You select a base policy from which your new custom policy can inherit settings.





#### Policy Workspace: Metrics and Properties

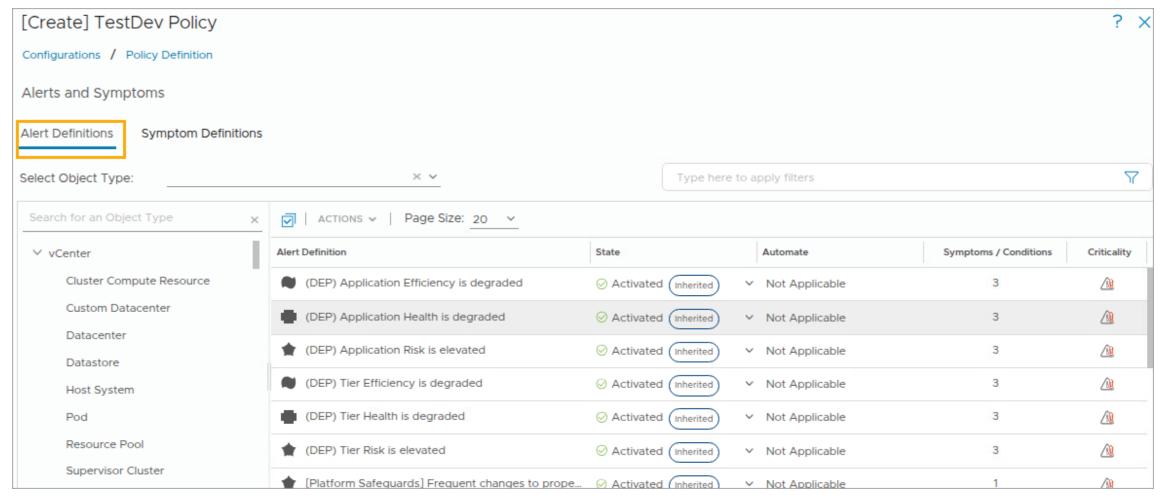
You can select properties or metrics to include in your policy so that VCF Operations can collect data from the objects in your Private Cloud environment.





#### Policy Workspace: Alerts and Symptoms

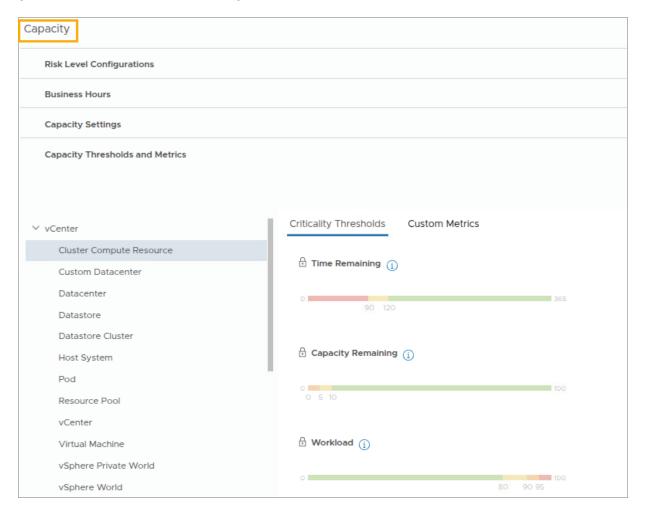
You can override alert definitions by enabling or disabling them. Enabling alert definitions activates alerting conditions.





# Policy Workspace: Capacity Settings

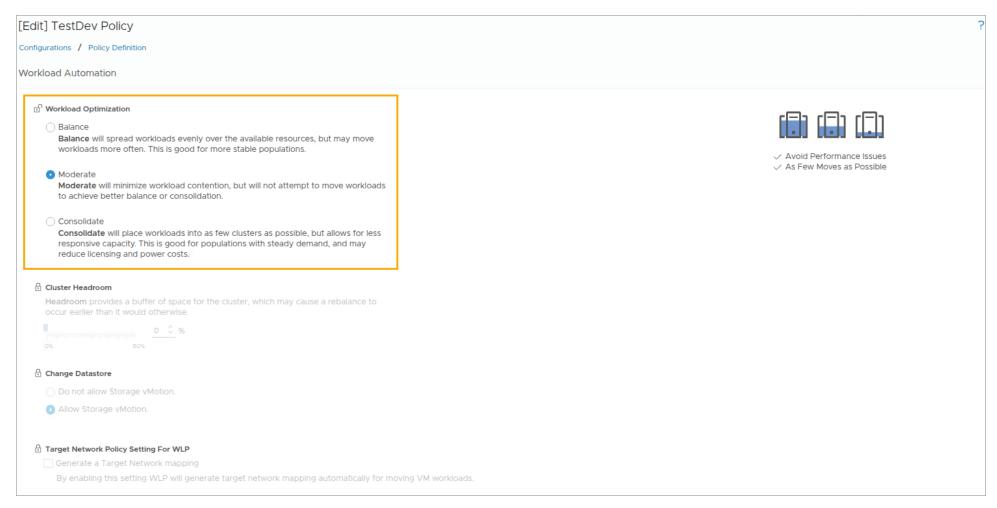
You can configure Time Remaining Calculations, Business Hours, Capacity Settings, and Criticality Thresholds in the Capacity section of the policy.





# Policy Workspace: Workload Automation Details

You can set the workload automation options for your policy, so that VCF Operations can optimize the workload in your environment as per your definition.





# Policy Workspace: Configuring Provider Pricing

You can add and assign new pricing cards to vCenter and clusters in VCF Operations. The pricing card can be cost-based or rate-based. You can customize the cost-based pricing card and rate-based pricing card as

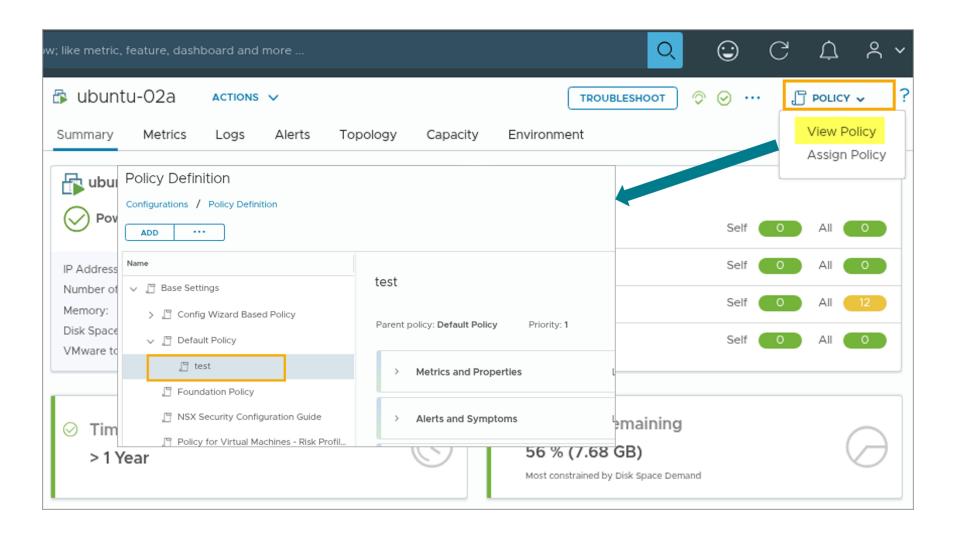
per your requirement.

[Edit] TestDev Policy				
Configurations / Policy Definition				
Provider Pricing				
⚠ We couldn't find any currency co	nfigured.			
Pricing Base Settings				
Enable Pricing Engine				
Compute Rate	☐ Compute Rate			
Storage Rate	CPU Rate:			
Network Rate Guest OS Rate	CPU GHz Based vCPU Count Based			
vCenter Tag Rate	Charge Period	Daily	~	
One Time Fixed Cost	Charge Based on	Usage	<u> </u>	
Rate Factors	Default Base Rate (per GHz)	0	÷ 0	
	ADD SLAB			
	☐ Greater than or equal ↑	Base Rate ()		Explanation
	Fixed Cost	0	÷ 0	
	Memory Rate:			
	Charge Period	Daily	~	
	Charge Based on			
		Usage	^ 0	
	Default Base Rate (per GB)	0	<u></u> 0	



### Viewing the Effective Policy

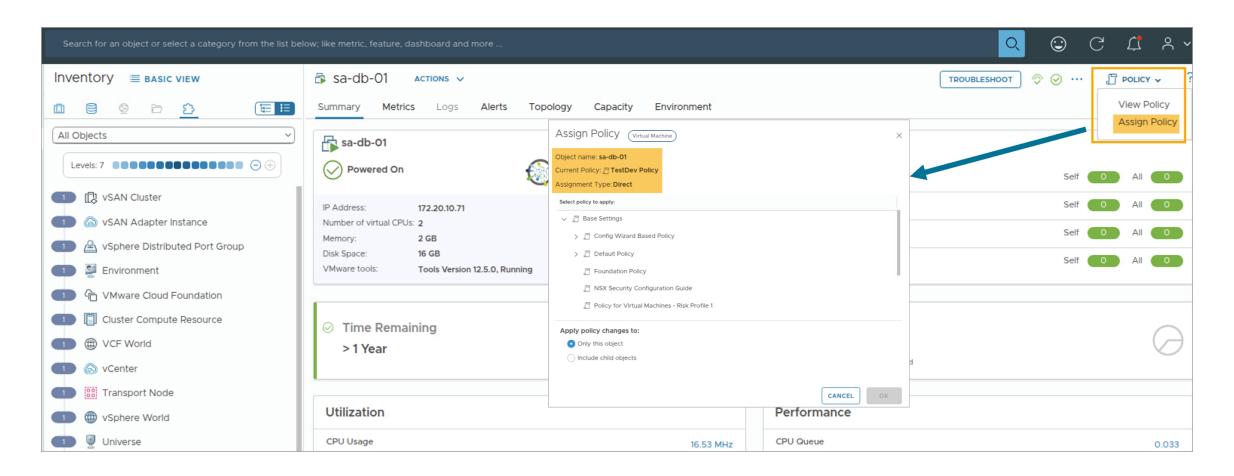
In the **Policy** drop-down menu, the **View Policy** option appears in the content pane of the selected object.





# Assigning a Policy for a Single Object

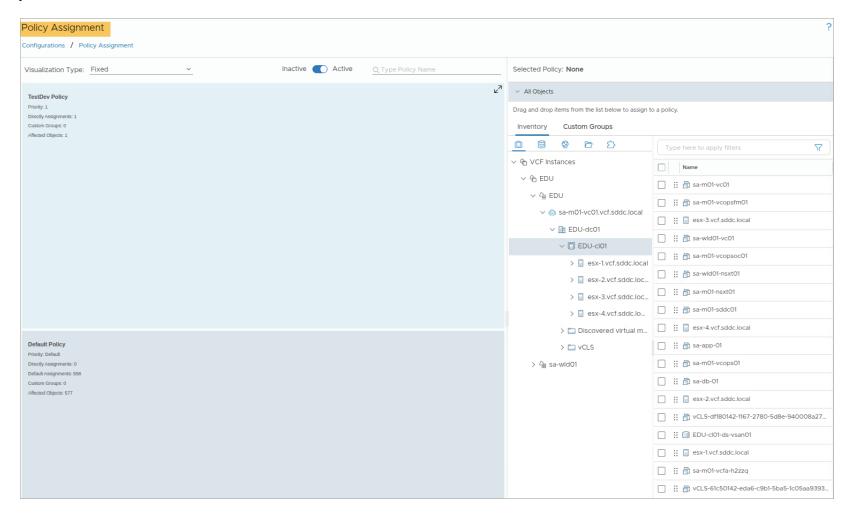
In the **Policy** drop-down menu, the **Assign Policy** option appears in the content pane of the selected object.





#### **Assigning Policies**

You can assign policies to your environment to activate controls and view and manage your object assignment scope.





### Policy Inheritance

You can determine how a policy applies to an object:

- Identify the group or groups of which the object is a member.
- Identify policies that are assigned to these groups.
- Determine the policy that has the highest priority.

The policy with the highest priority is the effective policy for that object.



#### Importing and Exporting Content

To reuse content between VCF Operations deployments or back up the custom content, use the export and import functions.

You can export and import the following content:

- Policies
- Dashboards
- Views
- Reports
- Alert definitions
- Symptom definitions
- Recommendations
- Super metrics



#### Lab: Creating Custom Policies

Create custom policies for TestDev Group and VMScale Group:

- 1. Create the TestDev Custom Group
- 2. Create the VMScale Custom Group
- 3. Create the TestDev Policy for Objects in the TestDev Group
- 4. Create the VMScale Policy for Objects in the VMScale Group
- 5. Review Policy Assignments
- 6. Export a Policy



# Review of Learner Objectives

- Use policies to analyze information about various object types and objects in your environment
- Configure policies and other components
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