



# Cost Management Service 2023

## Getting started with resource optimization for OpenShift

Learn about resource optimization for OpenShift



# Cost Management Service 2023 Getting started with resource optimization for OpenShift

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## Abstract

You can use resource optimization for OpenShift to optimize the size of containers and pods within projects in your OpenShift clusters and improve the sizing and capacity management of nodes within the cluster.

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## PREFACE

As an cost management user, you can use the resource optimization for OpenShift service to monitor and control your spending by fitting your Red Hat OpenShift deployments to your usage. In addition, you can use the resource optimization for OpenShift service to complete the following tasks:

- Report usage of applications and deployments.
- Optimize the size of your pods.
- Manage costs.

## CHAPTER 1. PREREQUISITES

- You have installed the Cost Management Metrics Operator.
- You have added your OpenShift source to cost management. For more information, see [Adding an OpenShift Container Platform source to cost management](#).



## CHAPTER 2. UNDERSTANDING RESOURCE OPTIMIZATION FOR OPENSIFT

As part of cost management, resource optimization for OpenShift assesses and monitors your usage from all of your clusters to maximize your Red Hat OpenShift resources. Using current and historical data from OpenShift, resource optimization for OpenShift recommends actions to optimize your costs on your OpenShift clusters.

The service shows metrics for CPU and memory usage, analyzes those metrics, and compares defined container requests and limits. Using the source data that you added to cost management, the resource optimization for OpenShift analyzes the historical usage patterns to return optimization recommendations. This data enables better resource allocation and helps you to save money on your OpenShift cluster deployment.

## CHAPTER 3. VIEWING RESOURCE OPTIMIZATION FOR OPENSIFT OPTIMIZATION REPORTS

Access resource optimization for OpenShift from the [Red Hat Hybrid Cloud Console](#) to see detailed recommendations for how to optimize your Red Hat OpenShift clusters.

### Prerequisites

- You have added an OpenShift source to cost management or hybrid committed spend.
- You have uploaded at least 24 hours of data from the operator.
- Log in to the [Red Hat Hybrid Cloud Console](#).

### Procedure

1. Log in to the [Red Hat Hybrid Cloud Console](#).
2. From the **Services** menu, click **Spend Management → Cost Management**.
3. In the Global Navigation, click **Cost Management → Optimizations**.
4. On the Optimizations page, either search for an optimization or filter the optimizations.
5. Click a row in the table to see details about the resource optimization for OpenShift recommendation.
6. To see details about the resource optimization for OpenShift recommendation, click a row in the table.