



Install using OpenShift certified operator

Trident

NetApp
October 30, 2026

This PDF was generated from <https://docs.netapp.com/us-en/trident-2606/trident-install/openshift-operator-deploy.html> on October 30, 2026. Always check docs.netapp.com for the latest.

Table of Contents

- Install using OpenShift certified operator 1
 - Install Trident using OpenShift OperatorHub 1
 - Find and install the Trident operator 1
 - Uninstall Trident operator 4
 - Switch to the OpenShift certified Trident operator 4
 - Switch from the community operator 4
 - Switch from a Helm-based operator installation 6
 - Switch from a manually deployed operator 7
 - Install the OpenShift certified operator 7
 - Verification 7

Install using OpenShift certified operator

Install Trident using OpenShift OperatorHub

If you use Red Hat OpenShift, you can install NetApp Trident using the Red Hat certified operator. Use this procedure to install Trident from the Red Hat OpenShift Container Platform.

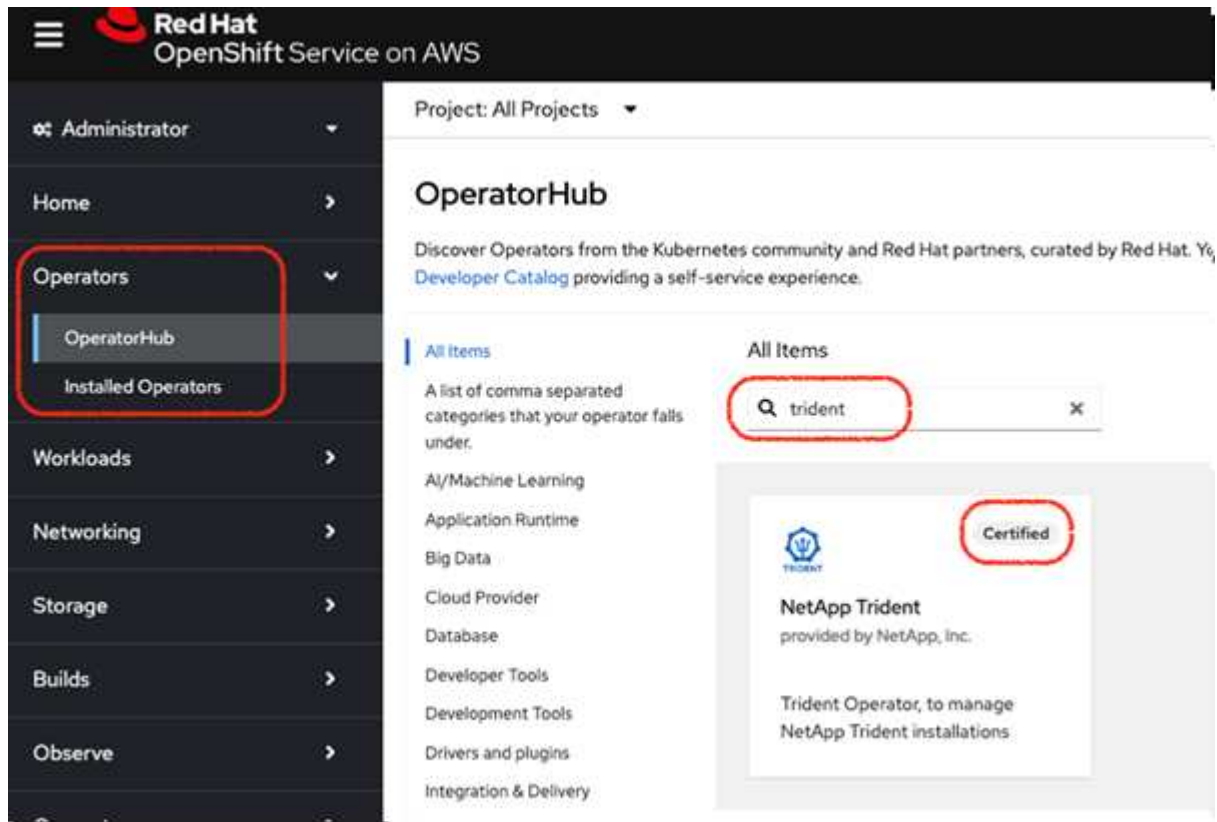
Before you begin

Before you begin the installation, [prepare your environment for Trident installation](#).

Find and install the Trident operator

Steps

1. Navigate to OpenShift OperatorHub and search for NetApp Trident.



2. Click **NetApp Trident** to open the installation settings.
3. Select the required options and click **Install** to open the Operator configuration.



NetApp Trident

25.2.1 provided by NetApp, Inc.



Install

Channel

stable

NetApp Trident is an open source storage provisioner and orchestrator maintained by NetApp. It enables you to create storage volumes for containerized applications managed by Docker and Kubernetes. For full release information, including patch release changes, see <https://docs.netapp.com/us-en/trident/trident-rn.html>.

Version

25.2.1

25.2.1

25.2.0

Source

Certified



Make sure that you select the most recent Operator version.

4. Retain all the parameters as they are and click **Install**.

OperatorHub > Operator Installation

Install Operator

Install your Operator by subscribing to one of the update channels to keep the Operator up to date. The strategy determines either manual or automatic updates.

Update channel *

stable

Version *

25.2.1

Installation mode *

- ☒ All namespaces on the cluster (default)
Operator will be available in all Namespaces.
- ☐ A specific namespace on the cluster
This mode is not supported by this Operator

Installed Namespace *

openshift-operators

Update approval *

- ☒ Automatic
- ☐ Manual



NetApp Trident

provided by NetApp, Inc.

Provided APIs

TO Trident Orchestrator

Used to deploy NetApp Trident.

TC Trident Configurator

Automates AWS FSxN backend configuration

5. Click **View Operator** to view the details of the Operator.



Provided APIs

Trident Orchestrator

Used to deploy NetApp Trident.

Create instance

Trident Configurator

Automates AWS FSxN backend configuration

Create instance

6. Click **YAML view** and paste the following in the form:

```
apiVersion: trident.netapp.io/v1
kind: TridentOrchestrator
metadata:
  name: trident
  namespace: openshift-operators
spec:
  IPv6: false
  debug: false
  nodePrep:
  - iscsi
  imageRegistry: ''
  k8sTimeout: 180s
  namespace: trident
  silenceAutosupport: false
```



The UI provides a default example. You can edit it directly instead of copying a full configuration.

Optional: Enable concurrency



To enable concurrency, add the following field to the spec:

```
enableConcurrency: true
```



- Red Hat Enterprise Linux CoreOS (RHCOS) does not have iSCSI enabled and configured.
- You can add the `nodePrep` parameter to configure and enable both iSCSI and Multipath services on all OpenShift worker nodes.

- Beginning with OpenShift 4.19, the minimum Trident version supported for this feature is 25.06.1.

- Click **Create**; the Trident Orchestrator will be fully installed.

Installed Operators > Operator details

NetApp Trident
25.21 provided by NetApp, Inc.

Actions

Details | YAML | Subscription | Events | All instances | **Trident Orchestrator** | Trident Configurator

TridentOrchestrators Create TridentOrchestrator

Name Search by name...

Name	Kind	Status	Labels	Last updated
trident	TridentOrchestrator	Status: Installed	No labels	Apr 6, 2025, 8:02 PM

Uninstall Trident operator

Steps

- Select the Trident operator from the list of installed operator.
- Select if you want to delete all the operand instance from the operator.



If you do not select the **Delete all operand instances from this operator** checkbox, Trident will not be uninstalled.

- Click **Uninstall**.

Switch to the OpenShift certified Trident operator

You can switch to the Red Hat OpenShift certified Trident operator from the community operator, a Helm-based installation, or a manually deployed operator. The process for each method involves uninstalling the existing operator and then installing the certified operator using the OperatorHub.

Before you begin

Before you begin the installation, [prepare your environment for Trident installation](#).



Do not delete the `TridentOrchestrator` custom resource (CR) during the uninstall process. The `TridentOrchestrator` CR preserves your backend and storage class configuration, which is required after you install the certified operator.

Switch from the community operator

Steps

- Use the OpenShift console to navigate to the OperatorHub.

OperatorHub

Discover Operators from the Kubernetes community and Red Hat partners, curated by Red Hat. You can purchase commercial software through [Red Hat Marketplace](#). Operators on your clusters to provide optional add-ons and shared services to your developers. After installation, the Operator capabilities will appear in the self-service experience.

All Items

All Items

Q trident X

AI/Machine Learning

Application Runtime

Big Data

Cloud Provider

Database

Developer Tools

Development Tools

Drivers and plugins

Integration & Delivery

Logging & Tracing

Modernization & Migration

Monitoring

Networking

OpenShift Optional



Certified

NetApp Trident
provided by NetApp, Inc.

Trident Operator, to manage
NetApp Trident installations

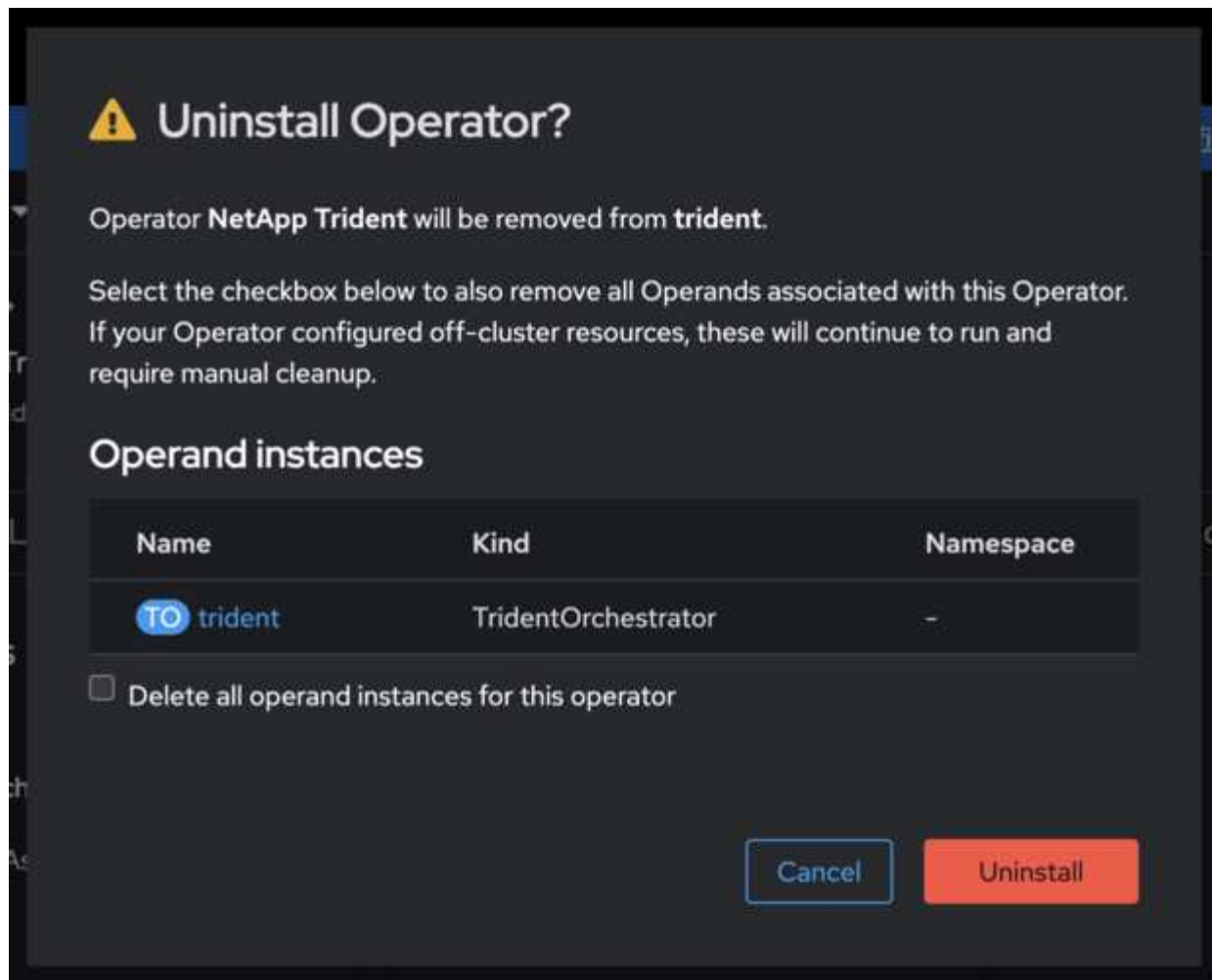


Community

NetApp Trident
provided by NetApp, Inc.

Trident Operator, to manage
NetApp Trident installations

2. Find the NetApp Trident community operator.



Do not select **Delete all operand instances from this operator**.

3. Click **Uninstall**.
4. After the uninstall completes, proceed to [Install the OpenShift certified operator](#).

Switch from a Helm-based operator installation

Steps

1. List the Helm release for your Trident installation:

```
helm ls -n trident
```

2. Uninstall the Helm release:

```
helm uninstall <release-name> -n trident
```

3. After the uninstall completes, proceed to [Install the OpenShift certified operator](#).

Switch from a manually deployed operator

If you installed Trident by manually deploying the operator using a `bundle.yaml` from the installer package, remove it by deleting the same manifest.

Steps

1. Delete the operator deployment using the bundle manifest:

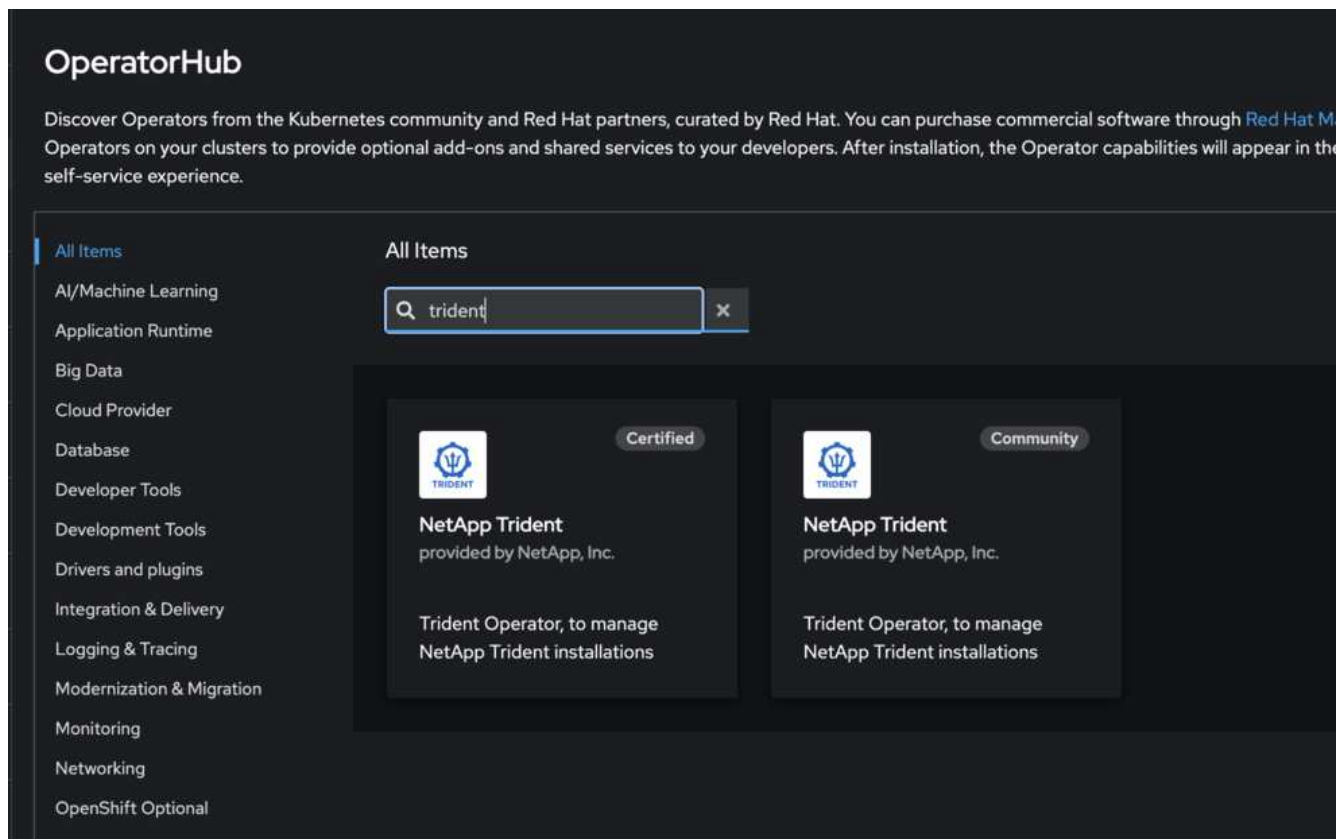
```
kubectl delete -f deploy/bundle.yaml -n trident
```

2. After the uninstall completes, proceed to [Install the OpenShift certified operator](#).

Install the OpenShift certified operator

Steps

1. Navigate to the Red Hat OperatorHub.
2. Search for and select the NetApp Trident Operator.



3. Follow the on-screen instructions to install the operator.

Verification

- Check the OperatorHub in the console to ensure the new certified operator has been installed successfully.

Copyright information

Copyright © 2026 NetApp, Inc. All Rights Reserved. Printed in the U.S. No part of this document covered by copyright may be reproduced in any form or by any means—graphic, electronic, or mechanical, including photocopying, recording, taping, or storage in an electronic retrieval system—without prior written permission of the copyright owner.

Software derived from copyrighted NetApp material is subject to the following license and disclaimer:

THIS SOFTWARE IS PROVIDED BY NETAPP “AS IS” AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL NETAPP BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

NetApp reserves the right to change any products described herein at any time, and without notice. NetApp assumes no responsibility or liability arising from the use of products described herein, except as expressly agreed to in writing by NetApp. The use or purchase of this product does not convey a license under any patent rights, trademark rights, or any other intellectual property rights of NetApp.

The product described in this manual may be protected by one or more U.S. patents, foreign patents, or pending applications.

LIMITED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (b)(3) of the Rights in Technical Data -Noncommercial Items at DFARS 252.227-7013 (FEB 2014) and FAR 52.227-19 (DEC 2007).

Data contained herein pertains to a commercial product and/or commercial service (as defined in FAR 2.101) and is proprietary to NetApp, Inc. All NetApp technical data and computer software provided under this Agreement is commercial in nature and developed solely at private expense. The U.S. Government has a non-exclusive, non-transferrable, nonsublicensable, worldwide, limited irrevocable license to use the Data only in connection with and in support of the U.S. Government contract under which the Data was delivered. Except as provided herein, the Data may not be used, disclosed, reproduced, modified, performed, or displayed without the prior written approval of NetApp, Inc. United States Government license rights for the Department of Defense are limited to those rights identified in DFARS clause 252.227-7015(b) (FEB 2014).

Trademark information

NETAPP, the NETAPP logo, and the marks listed at <http://www.netapp.com/TM> are trademarks of NetApp, Inc. Other company and product names may be trademarks of their respective owners.