

Cloudera Flow Management Operator 2.8.0

NiFi Registry Deployment

Date published: 2024-06-11

Date modified: 2024-06-11

The Cloudera logo is displayed in a bold, orange, sans-serif font. The word "CLOUDERA" is written in all caps, with a stylized 'E' that has a horizontal bar extending to the right.

<https://docs.cloudera.com/>

Legal Notice

© Cloudera Inc. 2025. All rights reserved.

The documentation is and contains Cloudera proprietary information protected by copyright and other intellectual property rights. No license under copyright or any other intellectual property right is granted herein.

Unless otherwise noted, scripts and sample code are licensed under the Apache License, Version 2.0.

Copyright information for Cloudera software may be found within the documentation accompanying each component in a particular release.

Cloudera software includes software from various open source or other third party projects, and may be released under the Apache Software License 2.0 (“ASLv2”), the Affero General Public License version 3 (AGPLv3), or other license terms. Other software included may be released under the terms of alternative open source licenses. Please review the license and notice files accompanying the software for additional licensing information.

Please visit the Cloudera software product page for more information on Cloudera software. For more information on Cloudera support services, please visit either the Support or Sales page. Feel free to contact us directly to discuss your specific needs.

Cloudera reserves the right to change any products at any time, and without notice. Cloudera assumes no responsibility nor liability arising from the use of products, except as expressly agreed to in writing by Cloudera.

Cloudera, Cloudera Altus, HUE, Impala, Cloudera Impala, and other Cloudera marks are registered or unregistered trademarks in the United States and other countries. All other trademarks are the property of their respective owners.

Disclaimer: EXCEPT AS EXPRESSLY PROVIDED IN A WRITTEN AGREEMENT WITH CLOUDERA, CLOUDERA DOES NOT MAKE NOR GIVE ANY REPRESENTATION, WARRANTY, NOR COVENANT OF ANY KIND, WHETHER EXPRESS OR IMPLIED, IN CONNECTION WITH CLOUDERA TECHNOLOGY OR RELATED SUPPORT PROVIDED IN CONNECTION THEREWITH. CLOUDERA DOES NOT WARRANT THAT CLOUDERA PRODUCTS NOR SOFTWARE WILL OPERATE UNINTERRUPTED NOR THAT IT WILL BE FREE FROM DEFECTS NOR ERRORS, THAT IT WILL PROTECT YOUR DATA FROM LOSS, CORRUPTION NOR UNAVAILABILITY, NOR THAT IT WILL MEET ALL OF CUSTOMER’S BUSINESS REQUIREMENTS. WITHOUT LIMITING THE FOREGOING, AND TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, CLOUDERA EXPRESSLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY, QUALITY, NON-INFRINGEMENT, TITLE, AND FITNESS FOR A PARTICULAR PURPOSE AND ANY REPRESENTATION, WARRANTY, OR COVENANT BASED ON COURSE OF DEALING OR USAGE IN TRADE.

Contents

Deploying a NiFi Registry instance (internet).....	4
---	----------

Deploying a NiFi Registry instance (internet)

Learn about deploying a NiFi Registry cluster using CFM Operator.

About this task

You can deploy a NiFi Registry cluster by creating a NiFi Registry custom resource (CR) and deploying on Kubernetes.

Before you begin

- Ensure the CFM Operator has been installed and is running.
- You have created a NiFi Registry custom resource (CR) YAML file that complies with the documentation provided by Cloudera.

Procedure

1. Create the NiFi Registry cluster namespace if it does not already exist.

```
kubectl create namespace [***REGISTRY_NAMESPACE***]
```

Replace [***REGISTRY_NAMESPACE***] with your desired namespace.

2. Create an image pull secret.

```
kubectl create secret docker-registry docker-pull-secret \  
  --namespace [***CFM_OPERATOR_NAMESPACE***] \  
  --docker-server container.repository.cloudera.com \  
  --docker-username [***USERNAME***] \  
  --docker-password [***PASSWORD***]
```

Replace:

- [***USERNAME***] AND [***PASSWORD***] with your Cloudera credentials.
- [***CFM_OPERATOR_NAMESPACE***] with the desired operator installation namespace, typically cfm-operator-system.

For example:

```
kubectl create secret docker-registry docker-pull-secret \  
  --namespace cfm-operator-system \  
  --docker-server container.repository.cloudera.com \  
  --docker-username my-username \  
  --docker-password my-password
```

3. Apply your NiFi Registry CR to the Kubernetes cluster.

```
kubectl apply -f [***REGISTRY_YAML_PATH***] --namespace [***REGISTRY_NAMESPACE***]
```

Replace:

- [***REGISTRY_YAML_PATH***] with the absolute or relative path to the NiFi Registry CR YAML file.
- [***REGISTRY_NAMESPACE***] with your desired namespace.