

Registry Binding

Date published: 2024-06-11

Date modified: 2025-09-30



Legal Notice

© Cloudera Inc. 2026. 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

Configuring NiFi Registry binding.....	4
---	----------

Configuring NiFi Registry binding

The `NifiRegistryBinding` is a Custom Resource watched by the Cloudera Flow Management Operator for Kubernetes which links a NiFi cluster to a NiFi Registry. It contains a required reference to a NiFi resource in the cluster and a required reference to either a NiFi Registry resource in the cluster or a URL to an existing NiFi Registry.

When the `NifiRegistryBinding` is created, Cloudera Flow Management Operator for Kubernetes will create a NiFi Registry Flow Client on the referenced NiFi cluster pointing at the referenced NiFi Registry. If a NiFi Registry reference is provided, the created NiFi Registry Flow Client will point to the NiFi Registry using its web Service. If a NiFi Registry URL is provided, that URL will be used directly.

When the `NifiRegistryBinding` is created by providing a NiFi Registry reference, Cloudera Flow Management Operator for Kubernetes will create a user on the NiFi Registry to represent the NiFi cluster and give it permission to proxy user requests. This is necessary for NiFi to initiate version control on a process group. The user on NiFi Registry will be named “CN=<NiFi resource name>, O=Cluster Node”, which corresponds to the NiFi Node Certificates generated by the operator.

When the `NifiRegistryBinding` is created by providing NiFi Registry URL, Cloudera Flow Management Operator for Kubernetes will take no action against the target NiFi Registry. You need to manually add the NiFi user to NiFi Registry for the NiFi cluster to proxy user requests.

You cannot make changes to an existing `NifiRegistryBinding`, you must delete and then recreate it.

When deleting `NifiRegistryBinding`, the NiFi Registry Flow Client will be deleted from the referenced NiFi cluster and the user representing the NiFi cluster on NiFi Registry will be deleted if a NiFi Registry was created by providing a reference.



Note:

In Cloudera Flow Management Operator for Kubernetes 2.11.0, this resource is only reconciled until it is correctly configured. If a manual change is made to the NiFi Registry Flow Client on NiFi or to the NiFi user on NiFi Registry, add any annotation to the metadata of the `NifiRegistryBinding` resource to trigger a reconciliation.

```
apiVersion: cfm.cloudera.com/v1alpha1
kind: NifiRegistryBinding
metadata:
  name: bind
spec:
  nifiRef:
    name: nifi
    namespace: myflow
  nifiRegistryRef:
    name: registry
    namespace: registryns
```

Create your `NifiRegistryBinding` with the `kubectl create -f [***PATH/TO/BINDING.YAML***]` command.