

Cloudera Flow Management - Kubernetes Operator 2.9.0

## CFM Operator Release Notes

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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 three horizontal bars.

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## What's new

Learn about the new features and notable changes throughout releases of Cloudera Flow Management - Kubernetes Operator.

### Release 2.9.1

Learn about the new features and notable changes in release 2.9.1 of Cloudera Flow Management - Kubernetes Operator.

A Cloudera Flow Management - Kubernetes Operator 2.9.1 bundle for RedHat OpenShift OperatorHub is released. This is not a functional release, deployed images are still at 2.9.0-b96.

#### Fixed issues

- Cloudera Flow Management - Kubernetes Operator running out of memory when deploying NiFis
- Missing role permissions

### Release 2.9.0

Learn about the new features and notable changes in release 2.9.0 of Cloudera Flow Management - Kubernetes Operator.

#### Improvements

- Cluster domains other than the default 'cluster.local' are now supported.
- Kubernetes replaced ZooKeeper as the default state management and leader election option.
- JVM memory settings are now calculated based on Pod memory.
- A NiFi CR config for Single User Authentication is now available.
- Pod and Node affinity are now configurable.
- The cfmcctl CLI utility lists resources that block uninstallation of a cluster.

#### Fixed issues

- Node Cert alt names for proper SNI resolution
- NiFi Registry StatefulSet not updated on spec change
- OIDC did not use NiFi truststore
- CFM Operator continually overwriting default sensitive properties key
- Incorrect port configuration for non secure NiFi

### Release 2.8.0

Learn about the new features and notable changes in release 2.8.0 of Cloudera Flow Management - Kubernetes Operator.

Cloudera Flow Management - Kubernetes Operator 2.8.0 is the first release of the CFM Kubernetes operator, which provides a way to deploy, manage, and operate NiFi clusters on Kubernetes application platforms. This release comes with container images based on Apache NiFi 1.25 and Apache NiFi 2.0 (milestone release). To learn more about the Cloudera Flow Management - Kubernetes Operator and its typical deployment architecture, see the Cloudera Flow Management - Kubernetes Operator [Overview](#). To get started with installing the operator, see [Installation overview](#).

## Known issues

Learn about the known issues in this release of Cloudera Flow Management - Kubernetes Operator

## Supported component versions


Cloudera Flow Management - Kubernetes Operator components and their versions delivered in this release of the product.

**Table 1: Cloudera Flow Management - Kubernetes Operator component versions**

Component	Version
Cloudera Flow Management - Kubernetes Operator and cfmcctl	2.9.0
NiFi	1.27.0 / 2.0.0 [Technical Preview]
NiFi Registry	1.27.0

## System requirements

To install and use Cloudera Flow Management - Kubernetes Operator and its components, your Kubernetes cluster environment must meet the following system requirements and prerequisites.

- Kubernetes cluster
  - Version 1.23 or later
  - OpenShift 4.10 or later
-  **Note:** Cloudera Flow Management - Kubernetes Operator complies with Cloud Native Computing Foundation (CNCF) standards and is compatible with CNCF-compliant Kubernetes distributions. For supporting your specific Kubernetes distribution, contact Cloudera.
- Administrative rights on the Kubernetes cluster
- Access to kubectl or oc, configured to connect to your running cluster
- Access to helm
- cert-manager installed on the Kubernetes cluster
- Log collection enabled for the Kubernetes cluster
- Cloudera requires that the logs of Cloudera Flow Management - Kubernetes Operator components are stored long term for diagnostic and supportability purposes.
- Persistent storage class configured on the Kubernetes cluster that satisfies the durability and low-latency requirements for operating NiFi. The ideal storage class configuration can vary depending on the environment and use case, and it is determined by the Kubernetes platform where the product is deployed.
- (Optional): [Prometheus](#) installation running in the same Kubernetes cluster where you install Cloudera Flow Management - Kubernetes Operator. Prometheus is used for collecting and monitoring NiFi metrics.