

Confluent Control Center Installation

This topic offers instruction for installing Control Center.

Single-node manual installation

Use these steps for single-node manual installation of Control Center with Confluent Platform.

Archive

Install Control Center and Confluent Platform using archives on a single node.

Considerations:

- Control Center introduces a new directory structure that differs from the directory structure used with Control Center (Legacy).
- In earlier versions of the Confluent Platform, there was a single main directory, commonly referenced as `CONFLUENT_HOME` and all components, including Control Center (Legacy), were inside this main directory (i.e. `CONFLUENT_HOME/control-center`).
- Control Center now has its own top-level directory, `CONTROL_CENTER_HOME`.
- `CONTROL_CENTER_HOME` is placed at the same hierarchical level as `CONFLUENT_HOME`, not inside it.
- The steps below offer the optimal order in which to install Confluent Platform with Control Center.

Prerequisites:

- Provision a new virtual machine (VM) for Control Center on the same network as the Confluent Platform clusters that you want to monitor.
- Install the same version of `openjdk` that is on your existing Control Center (Legacy) (`openjdk-8-jdk`, `openjdk-11-jdk`, or `openjdk-17-jdk`).
- On the Control Center VM, open ports 9090 (Control Center) and 9021 (Control Center user interface).
- On every broker or KRaft controller, ensure that you can send outgoing http traffic to port 9090 on the Control Center VM.

KRaft

Confluent Platform 8.1

Considerations:

- With local installations, the default port settings are as follows: Alertmanager uses port 9098 and controllers in KRaft mode use port 9093.
1. Download the Confluent Platform archive 8.1 and run these commands:
 2. `wget https://packages.confluent.io/archive/8.1/confluent-8.1.0.tar.gz`
 3. `tar -xvf confluent-8.1.0.tar.gz`
 4. `cd confluent-8.1.0`
 5. `export CONFLUENT_HOME=`pwd``
 6. Download the Control Center archive and run these commands:
 7. `wget https://packages.confluent.io/confluent-control-center-next-gen/archive/confluent-control-center-next-gen-2.3.0.tar.gz`
 8. `tar -xvf confluent-control-center-next-gen-2.3.0.tar.gz`
 9. `cd confluent-control-center-next-gen-2.3.0`
 10. `export CONTROL_CENTER_HOME=`pwd``
 11. Change directory to the `$CONFLUENT_HOME/bin` directory:
 12. `export PATH=$PATH:$CONFLUENT_HOME/bin`
 13. Use the Confluent CLI to run the following command:
 14. `confluent local services start`

Verify Control Center is running

After the installation is complete, visit `http(s)://<c3-url>:9021` and wait for the metrics to start showing up in Control Center. It may take a couple of minutes. Control Center looks exactly like Control Center (Legacy).

To confirm Control Center is running, use the following steps:

1. Open the network tab in Control Center.
2. Reload Control Center.
3. Locate the following API call: `/2.0/feature/flags`

4. Verify the following key is present in the response: `confluent.controlcenter.prometheus.enable: true`