

Planning Your Deployment

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Contents

Deployment scenarios..... 4

Data Hub cluster definitions..... 4

Streams Messaging cluster layout.....5

Deployment scenarios

Before you get started with a Cloudera Data Flow deployment, it is useful to understand which software version is right for your platform and operational objectives. This helps you additionally understand the documentation you need to review to get started.

Table 1:

If you want ...	Running with the following additional components	Review this documentation
CDK powered by Apache Kafka for CDH 5.x		CDK 4.1 Powered by Apache Kafka documentation
	<ul style="list-style-type: none"> • Schema Registry 	Cloudera Streams Processing 1.0.0 documentation
	<ul style="list-style-type: none"> • Schema Registry • Streams Messaging Manager • Streams Replication Manager 	Cloudera Streams Processing 2.0.x documentation
Kafka in CDH 6.x		CDH 6.x Kafka documentation
	<ul style="list-style-type: none"> • Schema Registry • Streams Messaging Manager • Streams Replication Manager 	Cloudera Streams Processing 2.0.x documentation
Kafka for HDF and HDP		HDF 3.4.x documentation
Kafka for CDP Private Cloud Base		Streaming libraries in Cloudera Runtime 7.0.3 CDP Private Cloud Base
Kafka for CDP in Data Hub	n/a	Streaming libraries in Cloudera Runtime 7.0.2
	<ul style="list-style-type: none"> • Schema Registry • Streams Messaging Manager 	Cloudera Data Flow for Data Hub documentation

Data Hub cluster definitions

The Streams Messaging templates include Kafka, Schema Registry, Streams Messaging Manager, and ZooKeeper. There are two template options, depending on your operational objectives:

- Streams Messaging Heavy Duty
- Streams Messaging Light Duty

Streams Messaging provides advanced messaging and real-time processing on streaming data using Apache Kafka, centralized schema management using Schema Registry, as well as management and monitoring capabilities powered by Streams Messaging Manager.

These templates set up fault-tolerant standalone deployments of Apache Kafka and supporting Cloudera components (Schema Registry and Streams Messaging Manager), which can be used for Kafka workloads in the cloud or as a disaster recovery instance for on-prem Kafka clusters.



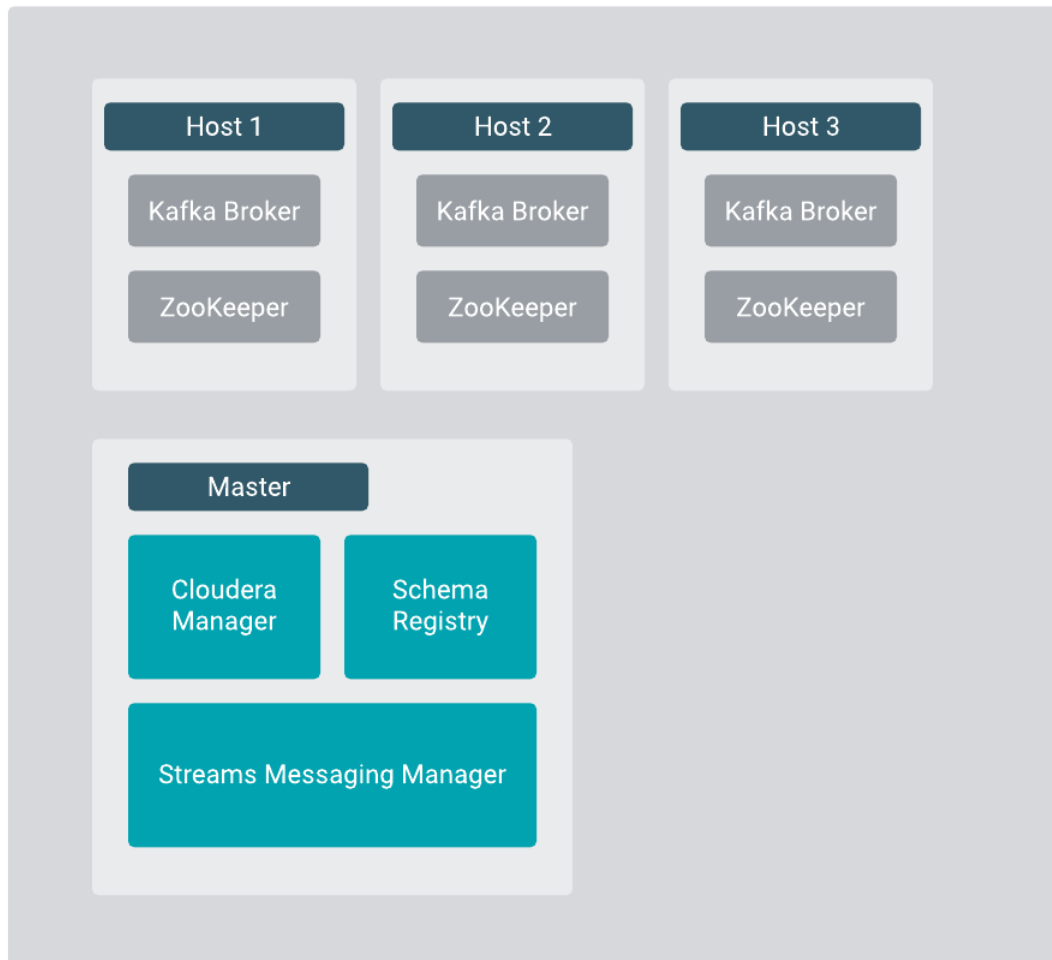
Note:

Cloudera Data Flow for Data Hub is available for Technical Preview. Cloudera encourages you to explore these technical preview features in non-production environments and provide feedback on your experiences through the [Cloudera Support Portal](#).

Streams Messaging cluster layout

Describes the layout and capacity of the Streams Messaging: Light Duty and Streams Messaging: Heavy Duty cluster definitions

Streams Messaging: Light Duty cluster layout



Streams Messaging: Heavy Duty cluster layout