

Cloudera DataFlow for Data Hub 7.2.17

Planning Your Edge Management Deployment

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Edge Management cluster definitions

In the Technical Preview, there are three Edge Management cluster definitions available to deploy Edge Flow Manager in CDP Public Cloud:

- Edge Flow Management Light Duty for AWS
- Edge Flow Management Light Duty for Azure
- Edge Flow Management Light Duty for GCP

These cluster definitions support installing Edge Flow Management clusters running Edge Flow Manager (EFM). During Technical Preview, EFM is delivered as a 1-node deployment, and no heavy duty/clustered deployment is available. Cloudera will provide heavy duty templates with a 3-node EFM cluster in a later release of CDP Public Cloud.

Edge Management cluster layout

Learn about the layout, capacity, and components of the Edge Management cluster definitions in Technical Preview.

The Data Hub service includes a default cluster definition called Edge Flow Management Light Duty. The cluster definition is available for AWS, Azure, and GCP. You can use it in development, testing, or proof of concept scenarios.

The light duty cluster has the following specifications:

- Single node with a single component: Edge Flow Manager (EFM) is co-located with Cloudera Manager, running on the management node
- Instance types for the single node:
 - AWS: m5.2xlarge
 - Azure: D8_v3
 - GCE: e2-standard-8
- Storage requirements:
 - AWS: 100 GB EBS
 - Azure 100 GB Standard_LRS
 - GCE: 100 GB PD-Standard



Note: When you create an Edge Flow Management Light Duty cluster, a non-HA PostgreSQL RDS instance is provisioned and is used by EFM.