

Getting Started with Operational Database

Date published: 2020-02-29

Date modified: 2025-08-31



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Operational database cluster

Cloudera Operational Database is a Cloudera on cloud service for self-service creation of an operational database. It is integrated with the Cloudera Platform and is available on AWS, Azure, and GCP.

The Cloudera Operational Database is a NoSQL database powered by Apache HBase, designed to support custom OLTP applications that leverage the power of Big Data. Apache HBase is a NoSQL, scale-out database that can easily scale to petabytes and stores tables with millions of columns and billions of rows.

Cloudera Operational Database also contains Apache Phoenix, which provides a way to use HBase through an SQL interface.

The Cloudera Operational Database with SQL cluster definition consists of Apache HBase, Apache Phoenix, and the underlying HDFS and Apache ZooKeeper services that it needs to operate. Apache Knox is used for the proxying of the different user interfaces.

Figure 1: Video: Application development with Cloudera Operational Database

Watch the video at <https://www.youtube.com/watch?v=eEGEZxAj35c>

Creating an operational database cluster

Know how to create a Cloudera Operational Database cluster.

The Operational Database (OpDB) template is removed from the Cloudera Data Hub. Cloudera recommends utilizing the Cloudera Operational Database for the creation of operational database clusters. For more information, see *Creating a database using Cloudera Operational Database*.

Related Information

[Creating a database using Cloudera Operational Database](#)