

# Wide-Column Database

In this lesson, we will get to know the Wide-Column database & when to choose it for our projects.

## We'll cover the following

- What Is A Wide Column Database?
- Popular Wide Column Databases
- When To Pick a Wide Column Database?
- Real-Life Implementations

## What Is A Wide Column Database? #

*Wide-column* databases belong to the *NoSQL* family of databases, primarily used to handle massive amounts of data, technically called the *Big Data*.

*Wide-column* databases are perfect for analytical use cases. They have a high performance and a scalable architecture.

Also, known as *column-oriented* databases *wide-column* databases store data in a record with a dynamic number of columns. A record can hold billions of columns.

## Popular Wide Column Databases #

Some of the popular wide column databases are *Cassandra*, *HBase*, *Google BigTable*, *Scylla DB* etc.

## When To Pick a Wide Column Database? #

If you have a use case where you need to grapple with Big data, to ingest it or to run analytics on it, then a *wide-column* database is a good fit for this scenario.

*Wide-column* databases are built to manage big data ensuring *scalability*, *performance* & *high availability* at the same time.

## Real-Life Implementations #

*Some of the real-life implementations of the tech are -*

- Netflix uses Cassandra as the backend database for the streaming service
- Adobe uses HBase for processing large amounts of data