

# Introduction

Clustered databases are essential for ensuring **high availability**, **scalability**, and **fault tolerance** in modern systems.

By distributing data across multiple nodes, they can handle larger workloads, prevent single points of failure, and ensure that services remain accessible even during hardware or network issues. Clusters are critical for businesses that need reliable, fast, and scalable database solutions to support growing demands.

 <b>PostgreSQL</b> PostgreSQL is a powerful, open-source object-relational database system, known for reliability, data integrity and performance.	 <b>MySQL</b> MySQL is an Oracle-backed open-source RDBMS that runs on almost all platforms.	 <b>Redis</b> Redis is an open-source, in-memory database, cache and message broker.
 <b>Valkey</b> A flexible distributed key-value datastore that supports both caching and beyond caching workloads.	 <b>KeyDB</b> KeyDB is both your cache and database, for cloud-optimized solutions.	 <b>TimescaleDB</b> TimescaleDB is the leading open-source relational database with support for time-series data.
 <b>Hydra</b> Hydra is an open-source alternative to enterprise data warehouses and it's simple, fast, and adaptable to your needs.		

## Supported Software

Elestio supports clustering for a wide range of software, making it adaptable to various use cases:

- **MySQL**
- **PostgreSQL**
- **Hydra**
- **TimescaleDB**
- **Redis**
- **KeyDB**
- **Valkey**

More DB clusters will be added soon, we are currently working on Clickhouse, Opensearch, Kafka and others.

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Revision #7

Created 27 January 2025 09:23:04 by Joseph Amsellem

Updated 28 January 2025 12:45:32 by Joseph Amsellem