

# Spring Data

Being an open source project comprising a variety of sub-projects related to database, Spring Data makes feasible easy accesses to non-relational databases, map-reduce frameworks, and cloud based data services, as well as improved relational database function.

## \* Spring Data Project

Category	Sub-Project	
Relational Databases	JPA	Spring Data JPA - Simplifies the development of creating a JPA-based data access layer
	JDBC Extensions	Support for Oracle RAC, Advanced Queuing, and Advanced datatypes. Support for using QueryDSL with JdbcTemplate.
Big Data	Apache Hadoop	The Apache Hadoop project is an open-source implementation of frameworks for reliable, scalable, distributed computing and data storage.
Data-Grid	GemFire	VMware vFabric GemFire is a distributed data management platform providing dynamic scalability, high performance, and database-like persistence. It blends advanced techniques like replication, partitioning, data-aware routing, and continuous querying.
HTTP	REST	Spring Data REST - Perform CRUD operations of your persistence model using HTTP and Spring Data Repositories.
Key Value Stores	Redis	Redis is an open source, advanced key-value store.
Document Stores	MongoDB	MongoDB is a scalable, high-performance, open source, document-oriented database.
Graph Databases	Neo4j	Neo4j is a graph database, a fully transactional database that stores data structured as graphs.
Column Stores	HBase	Apache HBase is an open-source, distributed, versioned, column-oriented store modeled after Google's Bigtable. HBase functionality is part of the Spring for Apache Hadoop project.
Common Infrastructure	Commons	Provides shared infrastructure for use across various data access projects. General support for cross-database persistence is located here

## Reference