

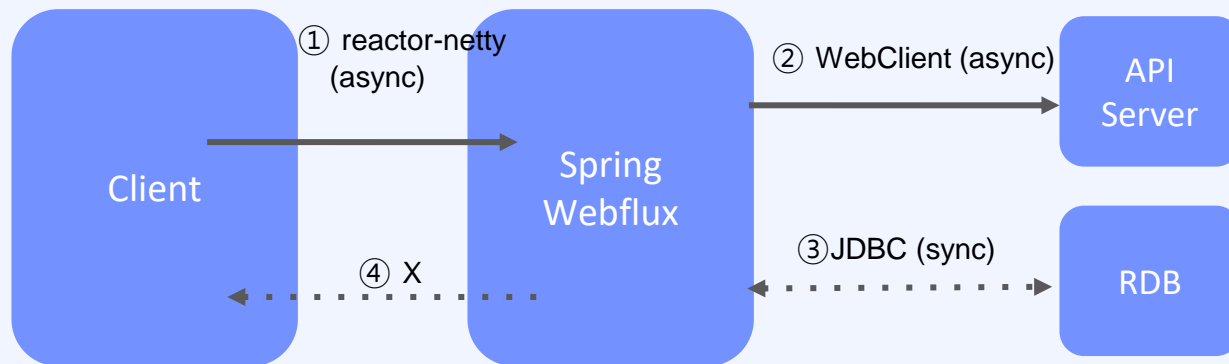
Webflux

9 R2DBC 이론

R2DBC

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R2DBC

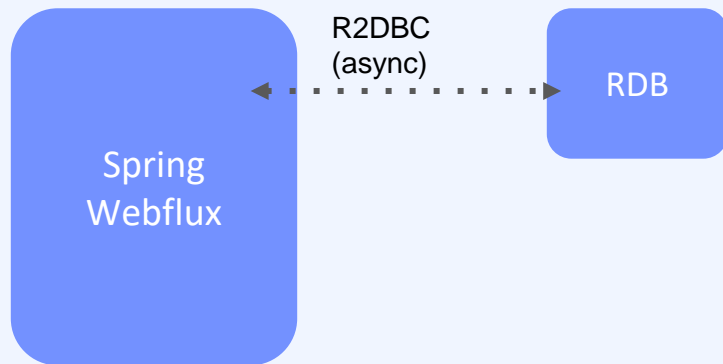
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Reactive Relational DataBase Connectivity

R2DBC

- Asynchronous Database Access
- Reactive Stream
- Nonblocking I/O
- Open specification
 - H2, MariaDB, MySQL
 - Oracle, PostgreSQL, ...



<https://r2dbc.io/>

R2DBC

- SPI(Service Provider Interface)
- Drivers

Spring Data R2DBC

3.1.1



OVERVIEW

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SUPPORT

SAMPLES

Spring Data R2DBC, part of the larger Spring Data family, makes it easy to implement R2DBC based repositories. R2DBC stands for [Reactive Relational Database Connectivity](#), a specification to integrate SQL databases using reactive drivers. Spring Data R2DBC applies familiar Spring abstractions and repository support for R2DBC. It makes it easier to build Spring-powered applications that use relational data access technologies in a reactive application stack.

Spring Data R2DBC aims at being conceptually easy. In order to achieve this, it does NOT offer caching, lazy loading, write-behind, or many other features of ORM frameworks. This makes Spring Data R2DBC a simple, limited, opinionated object mapper.

Spring Data R2DBC allows a functional approach to interact with your database providing `R2dbcEntityTemplate` as the entry point for applications.

Get started by picking a database driver and create a `R2dbcEntityTemplate` instance:

- `H2 (io.r2dbc:r2dbc-h2)`
- `MariaDB (org.mariadb:r2dbc-mariadb)`
- `Microsoft SQL Server (io.r2dbc:r2dbc-mssql)`
- `MySQL (io.asyncer:r2dbc-mysql)`
- `jasync-sql MySQL (com.github.jasync-sql:jasync-r2dbc-mysql)`
- `Postgres (io.r2dbc:r2dbc-postgresql)`
- `Oracle (com.oracle.database.r2dbc:oracle-r2dbc)`

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Spring-framework and R2DBC-SPI Compatibility

Refer to the table below to determine the appropriate version of r2dbc-mysql for your project.

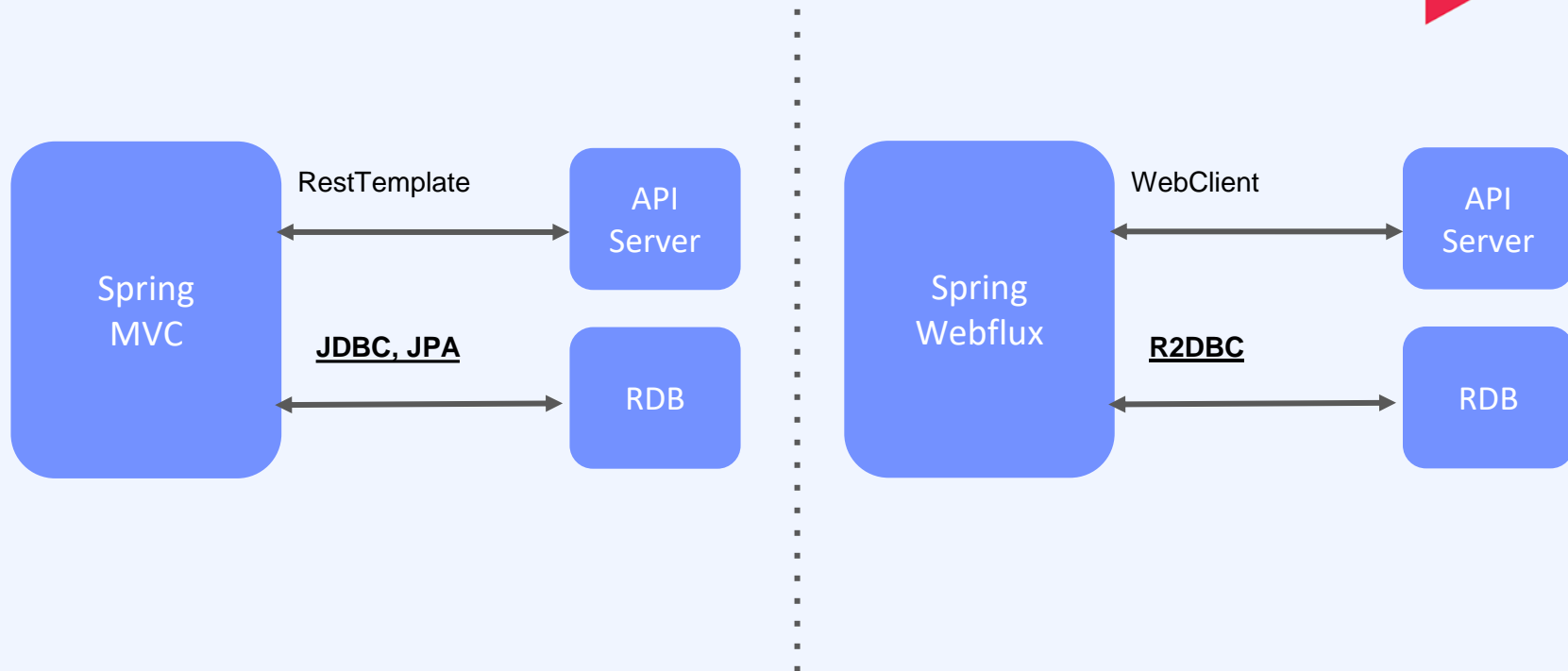
spring-boot-starter-data-r2dbc	spring-data-r2dbc	r2dbc-spi	r2dbc-mysql(recommended)
3.0.*	3.0.*	1.0.0.RELEASE	io.asyncer:r2dbc-mysql:1.0.2
2.7.*	1.5.*	0.9.1.RELEASE	io.asyncer:r2dbc-mysql:0.9.3
2.6.* and below	1.4.* and below	0.8.6.RELEASE	dev.miku:r2dbc-mysql:0.8.2

<https://github.com/asyncer-io/r2dbc-mysql>

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Spring Data R2DBC

Repository