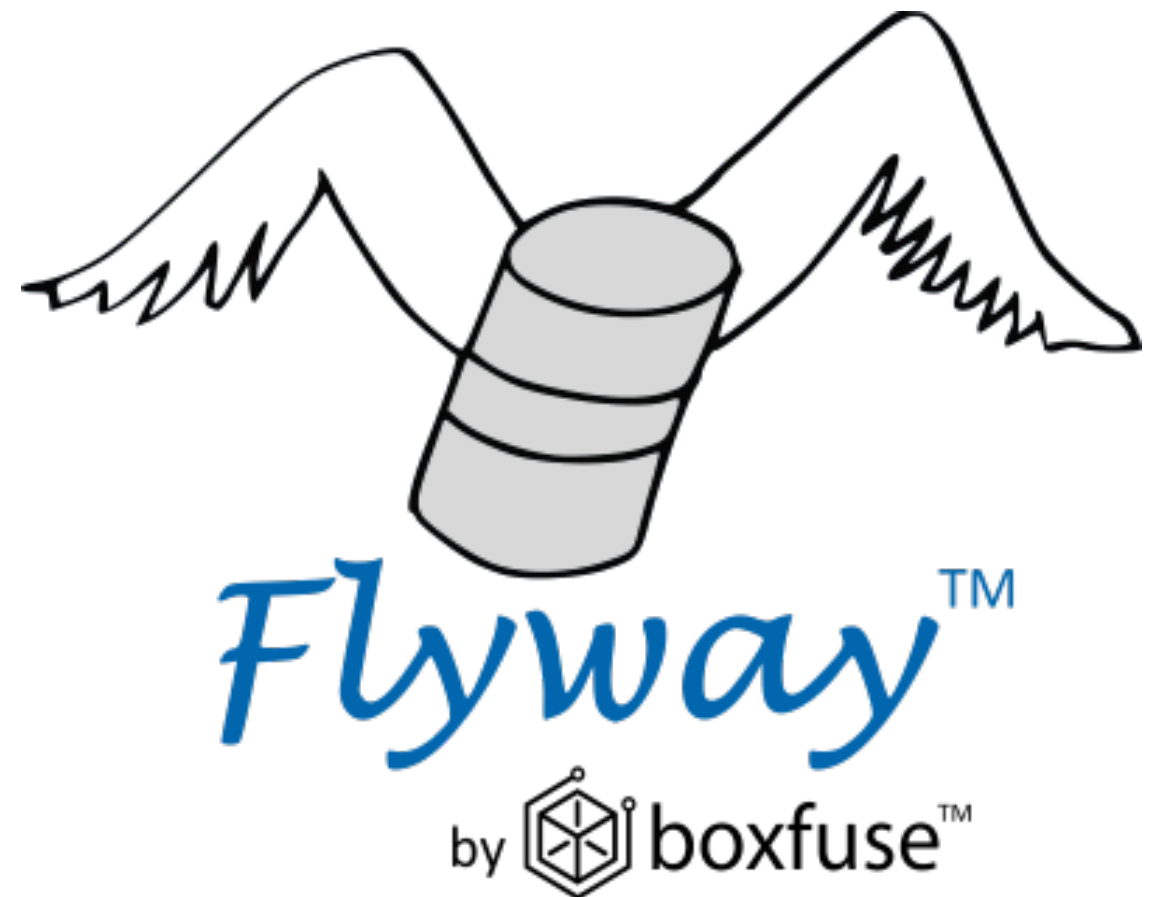


# IDE com FlyWay

<https://github.com/humbertodias/java-flyway-demo>

GERENCIAMENTO DE  
MODIFICAÇÕES DE  
BANDO DE DADOS

<https://flywaydb.org>



# Dependência

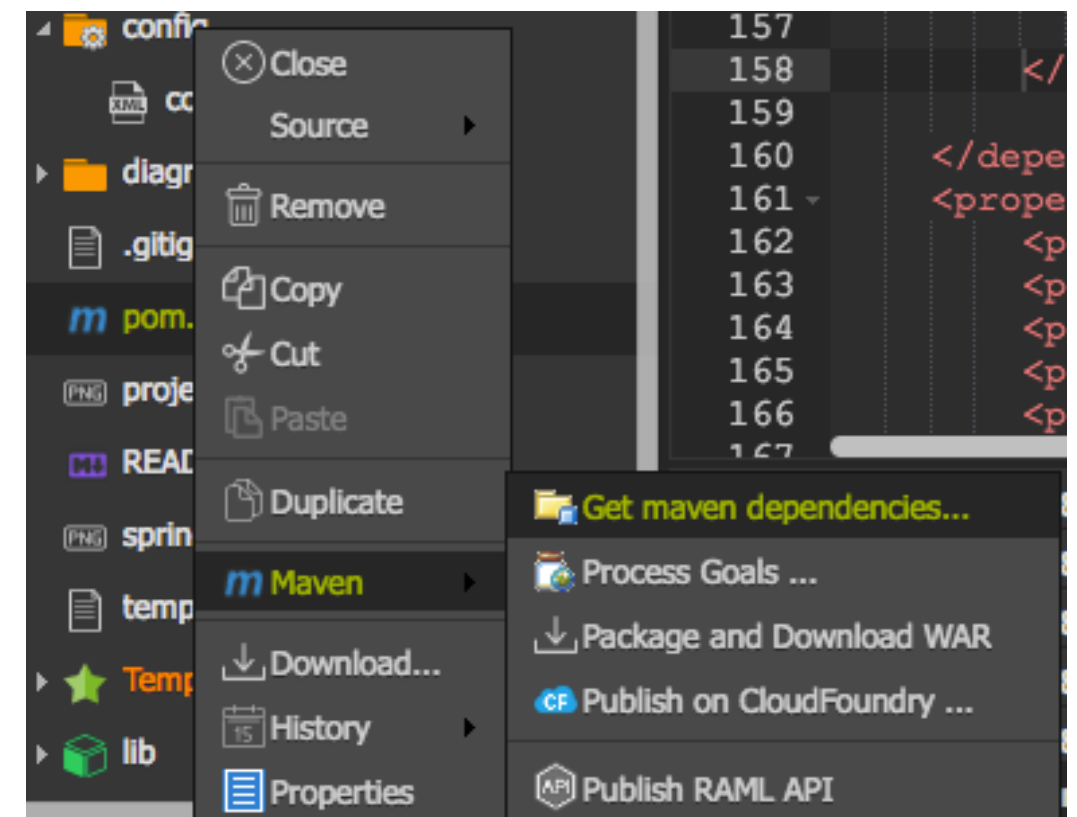
```
<!-- https://mvnrepository.com/artifact/org.flywaydb/flyway-core -->
```

```
<dependency>  
  <groupId>org.flywaydb</groupId>  
  <artifactId>flyway-core</artifactId>  
  <version>4.1.2</version>  
</dependency>
```

```
<!-- ojdbc6 -->
```

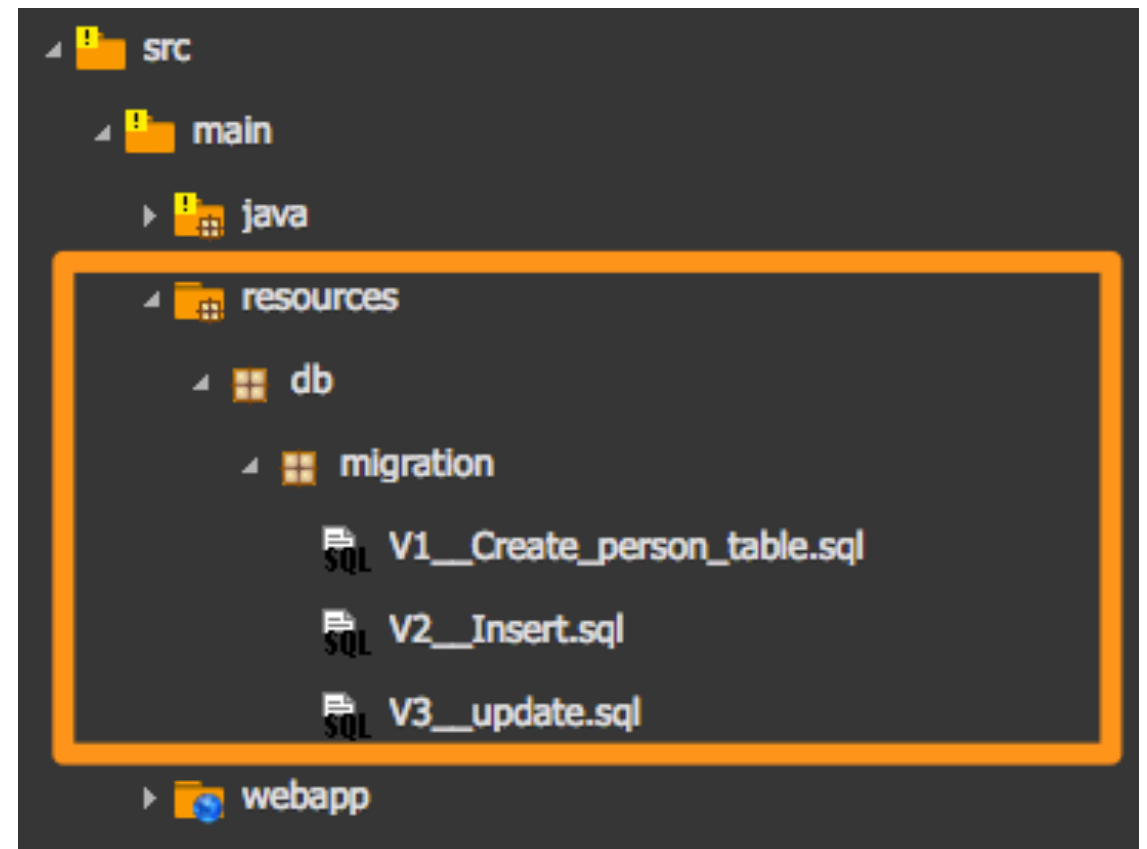
```
<dependency>  
  <groupId>com.oracle</groupId>  
  <artifactId>ojdbc6</artifactId>  
  <version>11.2.0.4</version>  
</dependency>
```

```
<repositories>  
  <repository>  
    <id>central</id>  
    <name>artifactory.cronapp.ext-release-local</name>  
    <url>https://artifactory.cronapp.io/ext-release-local</url>  
  </repository>  
</repositories>
```



# Scripts

- (V)ersioned Migration
- (R)epeatable Migration
- <https://flywaydb.org/documentation/migration/sql>



# Scripts

## V1\_\_create.sql

```
create table PERSON (  
    ID int not null,  
    NAME varchar(100) not null  
);
```

## V2\_\_insert.sql

```
insert into person  
(id,name)  
values  
(1,'Humberto');  
  
insert into person  
(id,name)  
values  
(2,'Rodrigo');
```

## V3\_\_update.sql

```
update person  
set name='HUMBERTO DIAS'  
where id = 1;  
  
update person  
set name='RODRIGO DAGOSTIN'  
where id = 2;
```

# JPA - FlyWay

```
# src/main/resources/application.properties
```

```
db.driver=oracle.jdbc.driver.OracleDriver
db.url=jdbc:oracle:thin:@0.tcp.ngrok.io:11524:XE
db.username=ergon
db.password=ergon
```

```
// src/main/java/app/AppConfiguration.java
```

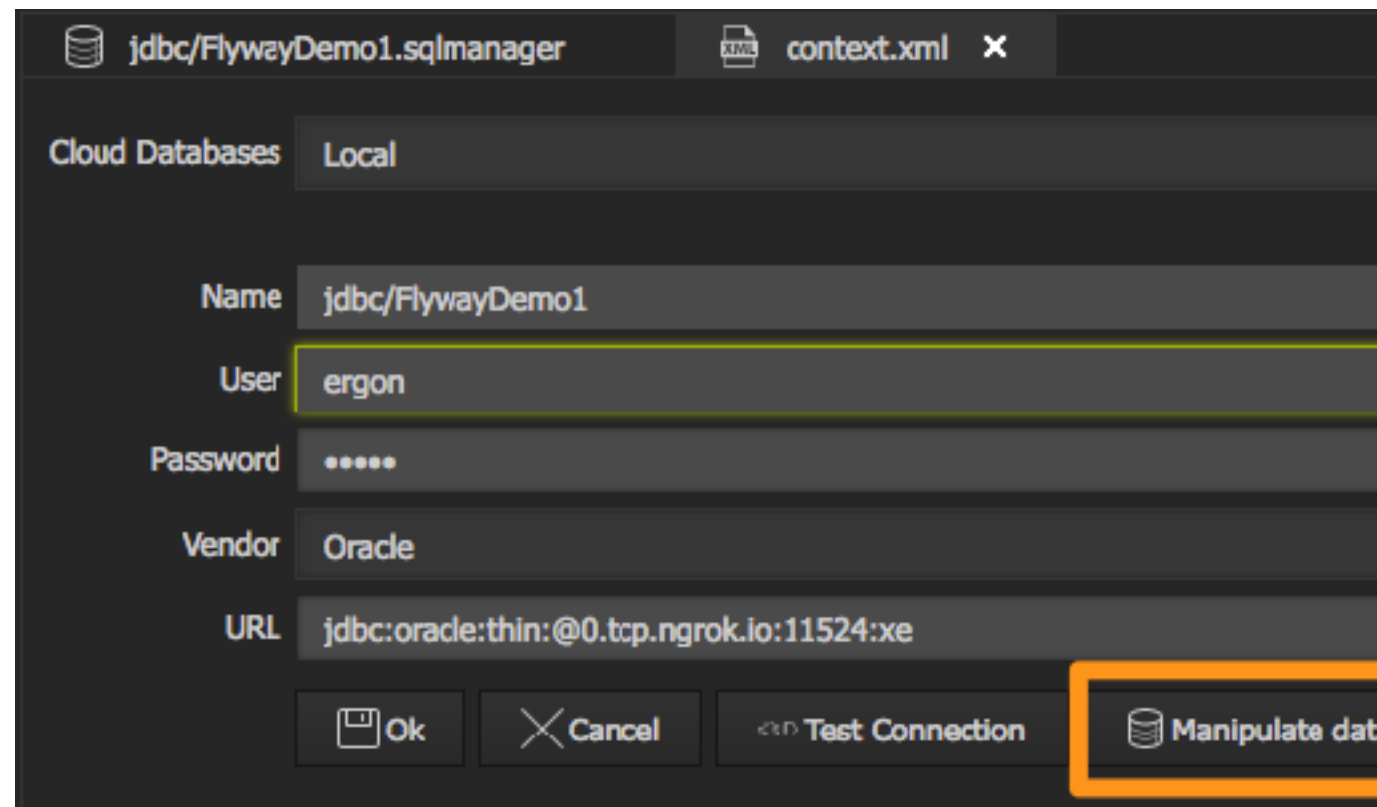
```
import javax.sql.DataSource;
import org.flywaydb.core.Flyway;
import org.springframework.core.env.Environment;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.jdbc.datasource.DriverManagerDataSource;

@Autowired
private Environment env;

@Bean
public DataSource dataSource() {
    DriverManagerDataSource dataSource = new DriverManagerDataSource();
    dataSource.setDriverClassName(env.getProperty("db.driver"));
    dataSource.setUrl(env.getProperty("db.url"));
    dataSource.setUsername(env.getProperty("db.username"));
    dataSource.setPassword(env.getProperty("db.password"));
    return dataSource;
}

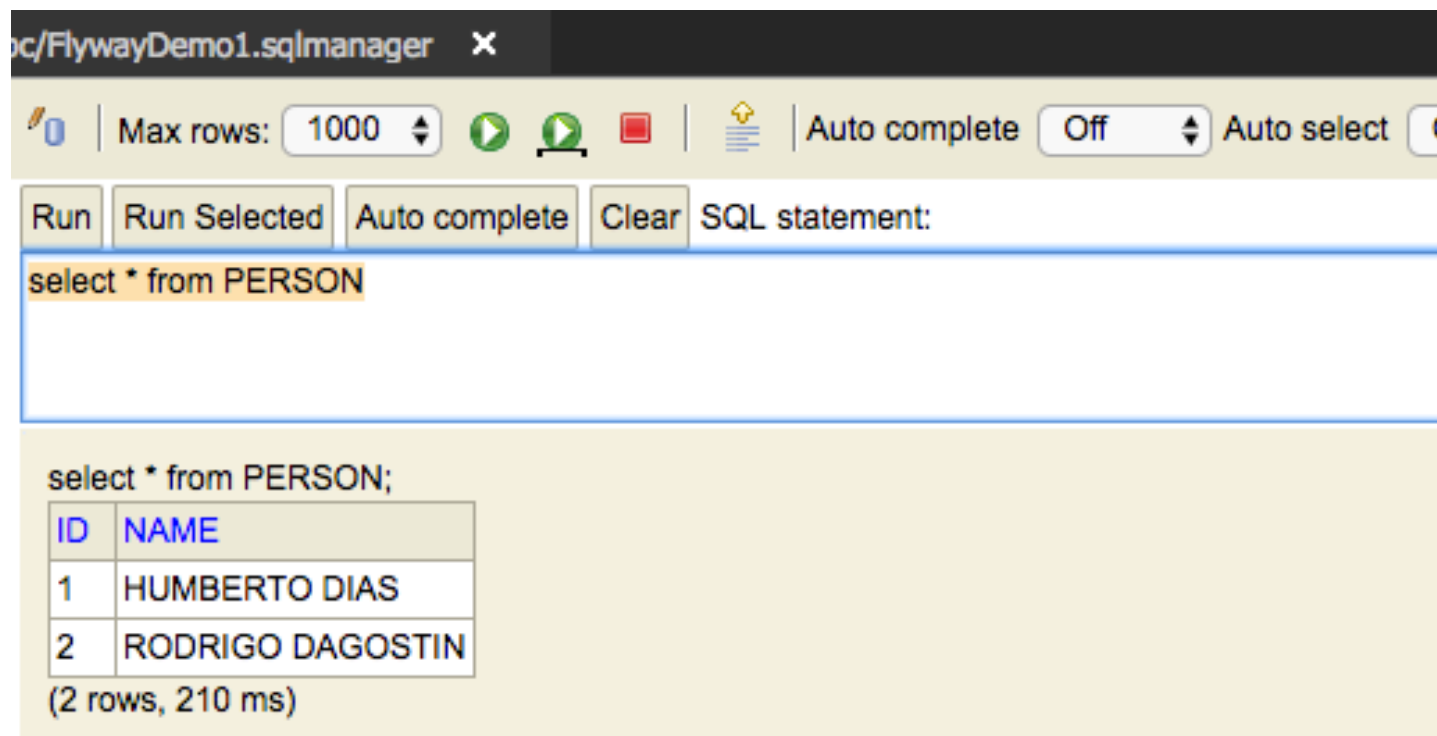
@Bean(initMethod = "migrate")
public Flyway flyway() {
    Flyway flyway = new Flyway();
    flyway.setDataSource(dataSource());
    flyway.setBaselineOnMigrate(true);
    return flyway;
}
```

# DataSource



- Crie sua conexão em fontes de dados e por fim, clique em manipular dados.

# SQLManager



- Perceba que a migração foi até o final.
- Pois o coluna nome possui sobrenome. Conformo o último script V3\_update.sql



# Referências

- <https://github.com/humbertodias/java-flyway-demo>
- <https://pt.slideshare.net/vrcca/evoluindo-bancos-de-dados-com-flyway>
- [http://2016.javacro.hr/eng/content/download/8793/169586/file/B02+Flyway+Jurisic\\_1.pdf](http://2016.javacro.hr/eng/content/download/8793/169586/file/B02+Flyway+Jurisic_1.pdf)