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Database Initialization with Spring

Hibernate DDL Auto

- DDL = Data Definition Language

  - DML = Data Manipulation Language

- Hibernate property is set by the Spring property spring.jpa.hibernate.ddl-auto

- Options are: none, validate, update, create, create-drop

- Spring Boot will use create-drop for embedded databases (hsql, h2, derby) or none

Initialize with Hibernate

- Data can be loaded from import.sql

  - Hibernate feature (not Spring specific)

  - Must be on root of class path

  - Only executed if Hibernate's ddl-auto property is set to create or create-drop

Spring JDBC

- Spring's DataSource initializer via Spring Boot will by default load schema.sql and data.sql from the root of the classpath

- Spring Boot will also load from schema-${plaform}.sql and data-${platform}.sql

  - Must set spring.datasource.platform

- May conflict with Hibernate's DDL Auto property

  - Should use setting of 'none' or 'validate'

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