



4.3

Auditing

Auditing in Spring Boot

Auditing in Spring Boot allows you to automatically populate certain fields, such as creation and modification timestamps, as well as the user who created or modified the entity.

Steps to Add Auditing

1. Create Auditable base Entity using the following annotations `@EntityListeners(AuditingEntityListener.class)`. This way you will get access to `@CreatedBy`, `@CreatedDate`, `@LastModifiedBy`, and `@LastModifiedDate` annotations.
2. Extend all Entities from the Superclass.
3. Create a class and Implement the AuditorAware interface to provide the current authenticated user from Spring Security.
4. Enable JPA Auditing by adding the `@EnableJpaAuditing` annotation to a configuration class.
5. Pass the reference of the AuditorAware class bean to the `@EnableJpaAuditing` interface.

Internal working of Auditing

1. When an entity is persisted or updated, the *AuditingEntityListener* triggers and performs the following actions:

PrePersist

PreUpdate

2. The *AuditorAware* interface provides the information about the current user.

