

Hibernate Tip: Define query timeout

Question:

I want to make sure that my query gets canceled after a certain time. Is there a way to define a timeout Hibernate queries?

Solution:

JPA and Hibernate support the *javax.persistence.query.timeout* query hint to define a query timeout in milliseconds. Hibernate uses it to call the *setTimeout* method on the JDBC *Statement* and doesn't handle the timeout itself. It, therefore, depends on the JDBC driver and the database capabilities, if the query hint has any effect.

The following 2 code snippets show you how to provide the query timeout hint to a *Query* and the *EntityManager.find* method.

```
List<Author> authors =  
    em.createQuery("SELECT a FROM Author a")  
        .setHint("javax.persistence.query.timeout", 1)  
        .getResultList();
```

```
HashMap<String, Object> hints = new HashMap<>();  
hints.put("javax.persistence.query.timeout", 1);  
  
em.find(Author.class, 1L, hints);
```

Learn more

The query timeout is just one of multiple query hints supported by JPA and Hibernate. I explained more of them in [11 JPA and Hibernate query hints every developer should know](#).