

Spring Professional Exam Tutorial v5.0

Question 14

Question 14 - What does transaction propagation mean?

Transaction propagation defines how existing transaction is re-used when calling `@Transactional` method with transaction already running.

Transaction propagation can be defined in `@Transactional` annotation in `propagation` field as one of following options:

- ▶ **REQUIRED** - support a current transaction, create a new one if none exists
- ▶ **SUPPORTS** - support a current transaction, execute non-transactionally if none exists
- ▶ **MANDATORY** - support a current transaction, throw an exception if none exists
- ▶ **REQUIRES_NEW** - create a new transaction, and suspend the current transaction if one exists
- ▶ **NOT_SUPPORTED** - execute non-transactionally, suspend the current transaction if one exists
- ▶ **NEVER** - execute non-transactionally, throw an exception if a transaction exists
- ▶ **NESTED** - execute within a nested transaction if a current transaction exists, behave like **REQUIRED** else

