@Transactional propagation cheatsheat! 👇

Lost in propagation? Save this!

```
@Transactional(propagation = Propagation.REQUIRED)
@Transactional(propagation = Propagation.REQUIRES_NEW)
@Transactional(propagation = Propagation.NESTED)
@Transactional(propagation = Propagation.SUPPORTS)
@Transactional(propagation = Propagation.NOT_SUPPORTED)
@Transactional(propagation = Propagation.NEVER)
@Transactional(propagation = Propagation.MANDATORY)
```

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Follow for more tech insights!

Required(default)

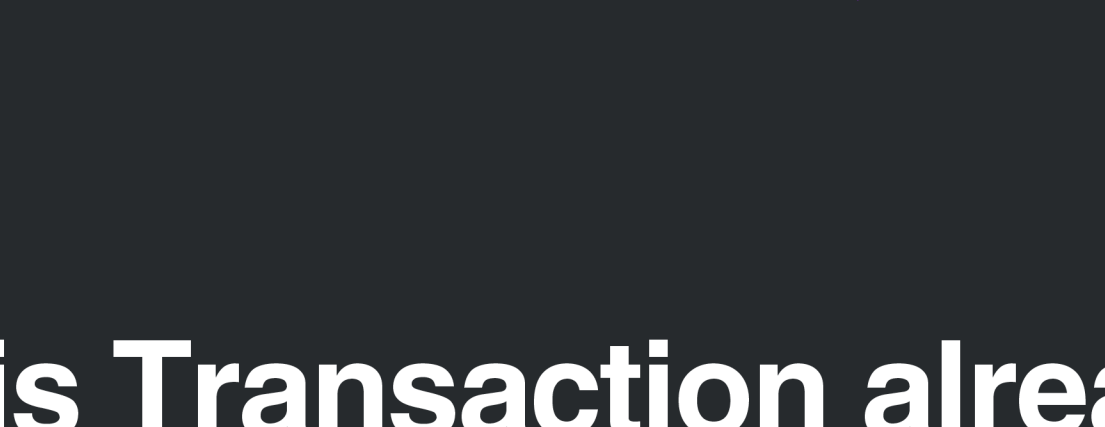
```
@Transactional
```

1. If no Transaction

Create a new transaction

2. If there is Transaction already

Join Current Transaction



Swipe Left

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Requires new

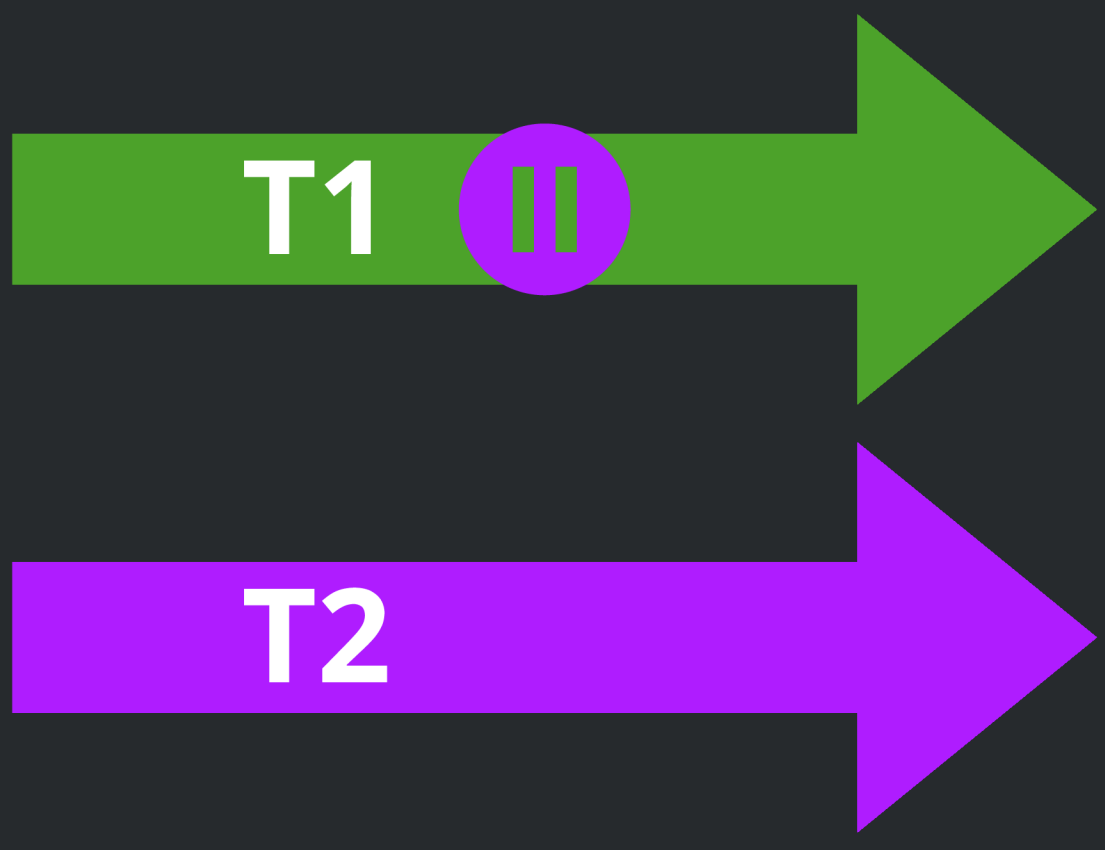
```
@Transactional(propagation = Propagation.REQUIRES_NEW)
```

1. If no Transaction

Create a new transaction

2. If there is Transaction already

Create a new transaction (T2) and suspends existing one(T1) (Till the end of T2)



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Nested

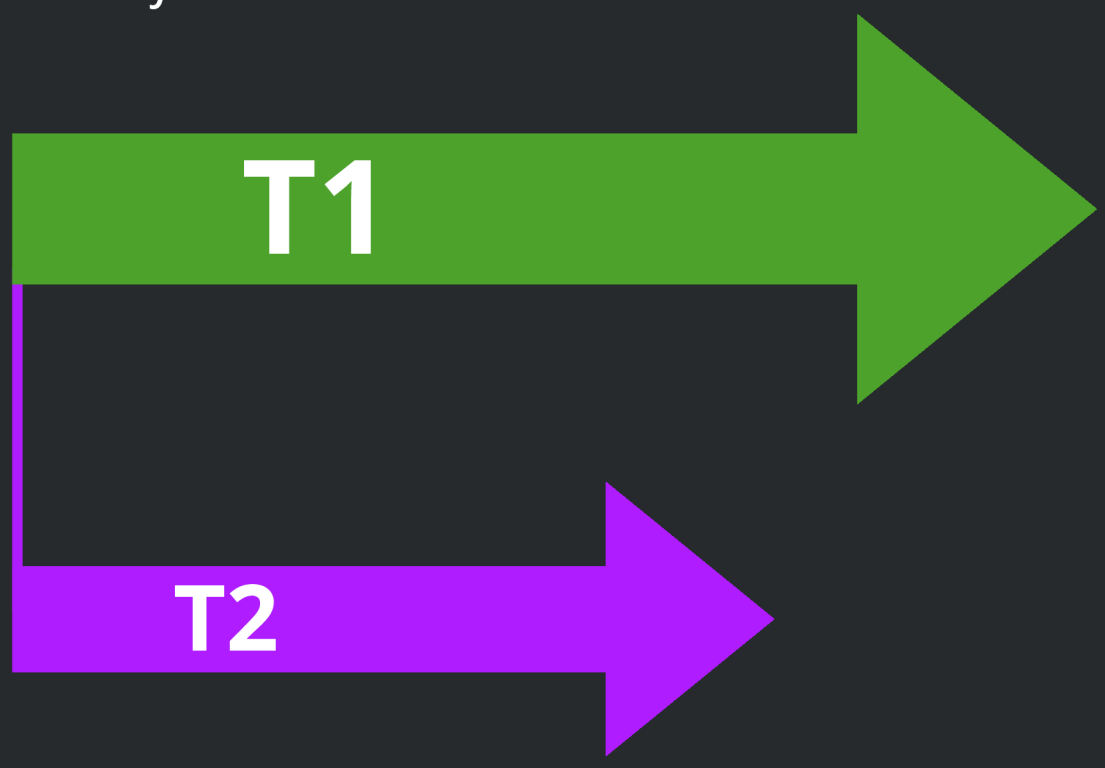
```
@Transactional(propagation = Propagation.NESTED)
```

1. If no Transaction

Create a new transaction

2. If there is Transaction already

Creates a nested transaction that is logically independent but still part of the main transaction



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Supports

```
@Transactional(propagation = Propagation.SUPPORTS)
```

1. If no Transaction

Run code without any transaction

T1

2. If there is Transaction already

Join Current Transaction

T1 + T2

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Not supported

```
@Transactional(propagation = Propagation.NOT_SUPPORTED)
```

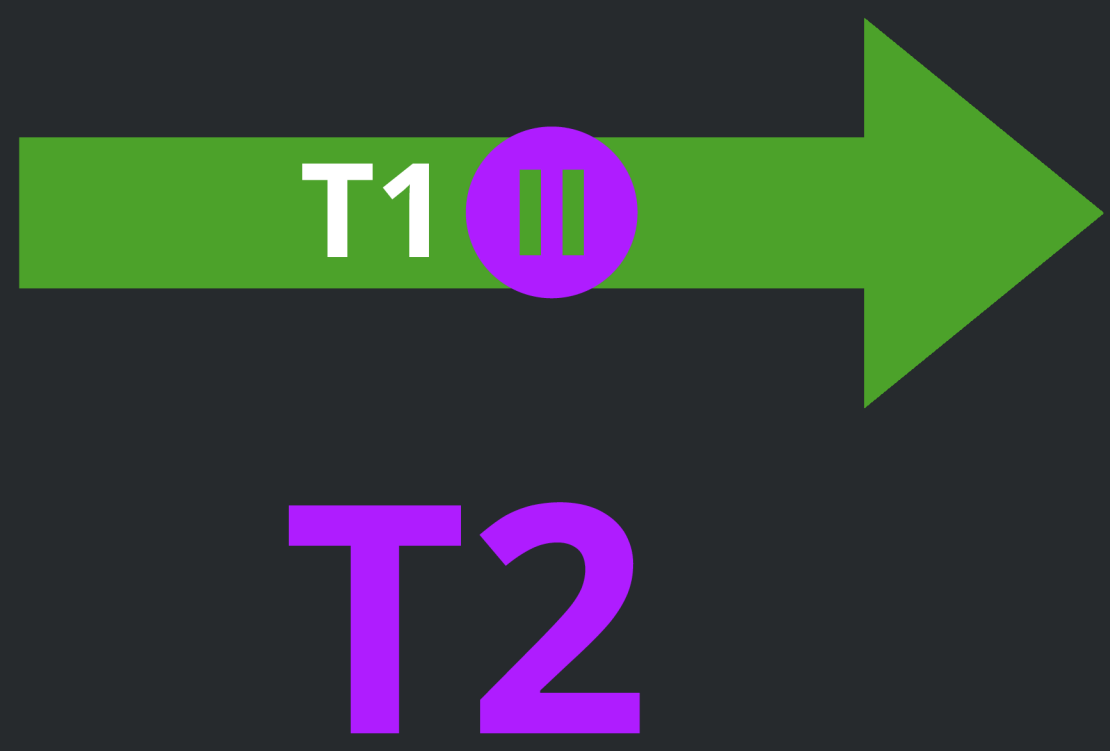
1. If no Transaction

Run code without any transaction

T1

2. If there is Transaction already

Run code without any transaction and suspend existing transaction(till the execution of T1 code)



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Mandatory

```
@Transactional(propagation = Propagation.MANDATORY)
```

1. If no Transaction

Throw exception

2. If there is Transaction already

Join Current Transaction

T1 + T2

Swipe Left

NEVER

```
@Transactional(propagation = Propagation.NEVER)
```

1. If no Transaction

Run code without any transaction

T1

2. If there is Transaction already

Throw exception

Swipe Left

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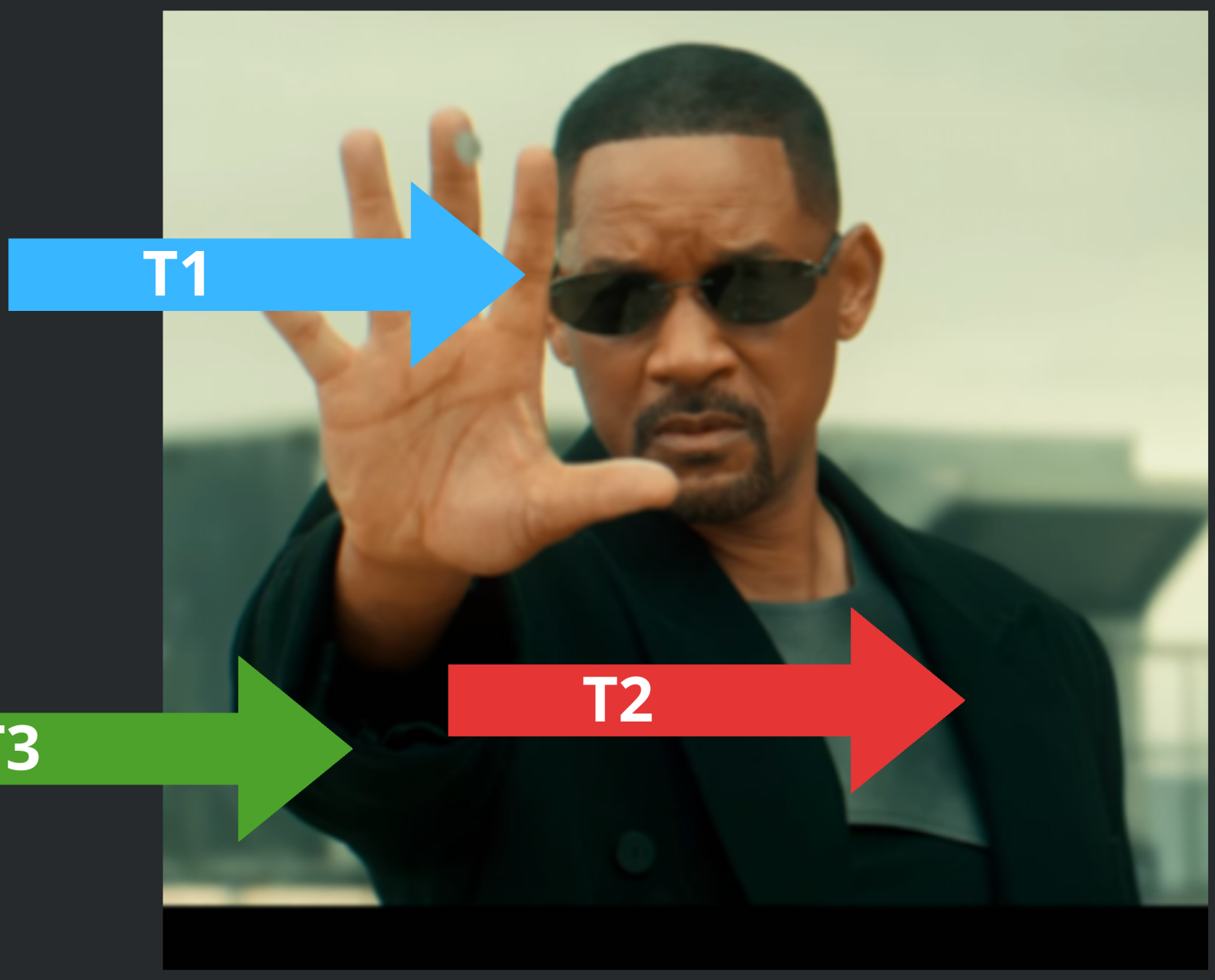
Key Takeaways

✅Propagation defines how transactions interact.

✅Choose wisely: REQUIRED (default), REQUIRES_NEW (isolated), NESTED (savepoints), etc.

✅ Follow for more tech insights!



Control transactions like a boss!

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