
Laravel Cache: Atomic Lock

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Overview

Managing Locks

- Instantiating lock object
- Lock availability
- Release Lock
- LockTimeoutException

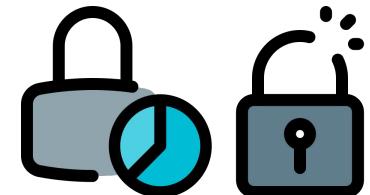
Managing Locks Across Processes

- Lock owner
 - Lock re-instantiate
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Managing Lock

What's the atomic lock

- Lock purpose
 - Race condition : who wine or lose
- Instantiate lock : by cache service object (helper or facade)
- Acquire an atomic lock : block or ignore
- Lock Availability : available or not
- Release the lock : after closure or manually
- Block other processes



Managing Locks

Instantiating lock object

- method: `acquire`
- method: `get`
- method: `release`
- release by callback !
- method: `block`
- Exception: `LockTimeoutException`

Managing Locks Across Processes

Concepts

- acquire a lock in one process and release it in another process
 - AcquireLock Console Process 
 - ReleaseLock Console Process 
- owner token for restore lock
- re-instantiate the lock
- release vs force release