
django-db-mutex Documentation

Release 1.1.0

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Mar 29, 2018

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Django-db-mutex provides the ability to acquire a mutex lock from the database in Django.

CHAPTER 1

Overview

For critical pieces of code that cannot overlap with one another, it is often necessary to acquire a mutex lock of some sort. Many solutions use a memcache lock strategy, however, this strategy can be brittle in the case of memcache going down or when an inconsistent hashing function is used in a distributed memcache setup.

If your application does not need a high performance mutex lock, Django DB Mutex does the trick. The common use case for Django DB Mutex is to provide the ability to lock long-running periodic tasks that should not overlap with one another. Celery is the common backend for Django when scheduling periodic tasks.