

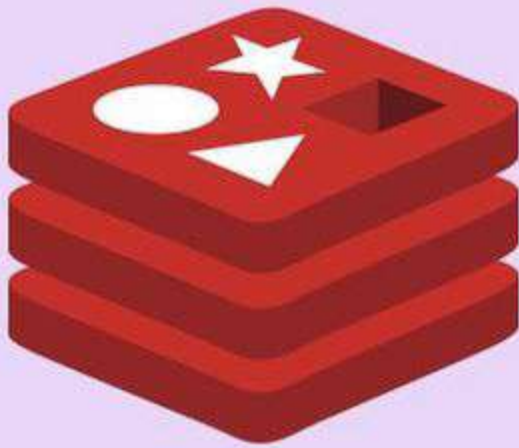
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How to Cache Using Redis in Django Applications

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Redis

is an in-memory data structure store that can be used as a caching engine. Since it keeps data in RAM, Redis can deliver it very quickly. Redis is not the only product that we can use for caching. Memcached is another popular in-memory caching system, but many people agree that Redis is superior to Memcached in most circumstances.



Install Redis

You need to install redis in your system

brew install redis

← Hit this command on terminal to install redis on mac

redis-server

← Hit this command on terminal to start redis server



Install Redis Through pip

Hit this command on terminal to install redis



```
pip install redis
```



Configure cache settings

open settings.py file and configure the redis as a cache backends



```
settings.py

CACHES = {
    "default": {
        "BACKEND": "django_redis.cache.RedisCache",
        "LOCATION": "redis://127.0.0.1:6379/1",
        "OPTIONS": {
            "CLIENT_CLASS": "django_redis.client.DefaultClient"
        },
        "KEY_PREFIX": "example"
    }
}
```

here just paste redis server location

Just add this code snippets in settings.py file



Let's implement cache

01 per-site cache

so, as we know that by default django implement per-site cache, that means it will cache the whole site



02 per-view cache

So, let's implement per-view cache that means it will cache the particular view

```
from django.views.decorators.cache import cache_page

@cache_page(60*5)
def HomeView(request):
    return render(request, 'home.html')
```

import cache_page

just add the cache_page
decorators just above
the view function



03 Template Fragment Caching

So, let's implement per-view cache that means it will cache the particular view

```
<body>
{% load cache %}
{% cache 500 mycache %}
<p> This content is going to be cache</p>
{% endcache %}
</body>
```

open cache tag and
implement cache

load cache



So, this is how you could
implement redis as
caching backends in
django

what's your favourite
caching system



Redis



Memcached



Did You Find This Helpful?

Let me know in the comment
section

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