

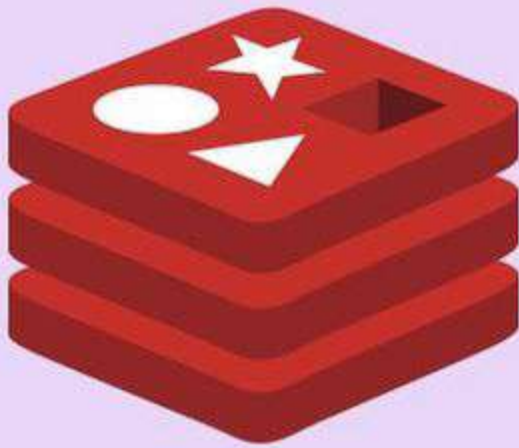
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# How to Cache Using Redis in Django Applications

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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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