

# Redis

Redis is an open source, BSD licensed, advanced key-value store. It is often referred to as a data structure server, since the keys can contain strings, hashes, lists, sets and sorted sets.

## How to Install Redis

You can install Redis on any operating system. Generally, install Redis from a package provided for your OS. This will solve dependencies problem and take care of security updates. Here are the instructions OS.

### Installation on Linux

Redis can be installed from multiple sources:

#### Installation on Debian/Ubuntu

##### Debian / Ubuntu

```
curl -fsSL https://packages.redis.io/gpg | sudo gpg --dearmor -o /usr/share/keyrings/redis-  
archive-keyring.gpg  
echo "deb [signed-by=/usr/share/keyrings/redis-archive-keyring.gpg]  
https://packages.redis.io/deb $(lsb_release -cs) main" | sudo tee  
/etc/apt/sources.list.d/redis.list  
sudo apt-get update  
sudo apt-get install redis
```

After installation of Redis, then, run start Redis services:

##### Build from source

```
sudo service redis-server start
```

For more information check the documentation of your OS's package management system.

#### Installation from source core repo

You need to download the phpredis from github repository

##### From source

```
git clone https://github.com/phpredis/phpredis.git  
cd phpredis  
phpize  
./configure [--enable-redis-igbinary] [--enable-redis-msgpack] [--enable-redis-lzf [--with-  
liblzf[=DIR]]] [--enable-redis-zstd]  
make && make install
```

## Installation on macOS

### macOS

```
brew install redis
```

to start Redis:

### Build from source

```
redis-server
```

## Windows

Redis is not officially supported on Windows, so it recommended to use Docker or WSL.

For :

- **WLS:** make sure WLS is activated and if not you can check the activation process [here](#) , and then follow the procedure to install Redis on linux based on your installed OS.
- **Docker:** Ensure that Docker is installed in your system. Follow the process [here](#) if you haven't installed yet.

You can run Redis using a Docker container.

For more details go to [Redis hub](#)

Now that Redis is installed, you can test it by running `redis-cli ping`. This will output "PONG".

### Build from source

```
$ redis-cli ping
PONG
```

To use Redis with Tiki, Tiki needs to install the Redis php extension. This extension provides an API for communicating with Redis.

First get **pecl**

### For Debian or Ubuntu

```
sudo apt install pkg-php-tools
```

Then

### Install php extension

```
sudo pecl install redis
```

Now, copy and paste the content of "modules" folder to the PHP extension directory and add the following lines in `php.ini`.

### Redis extension

```
extension = redis.so
```

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Now, your Redis PHP installation is complete.

Restart apache services

**For Debian/Ubuntu**

```
sudo systemctl restart apache2
```

Then you are, everything is ready to work with Redis on Tiki, for more detail [How to use Redis on tiki](#).

For more detail you can check:

[Redis source](#)

[Redis Installation](#)

[DockerInstallation](#)

[Install WLS](#)

[Enable WLS](#)

[Docker redis hub](#)