

# Redis

Redis is an open source (BSD licensed), in-memory data structure store used as a database, cache, message broker, and streaming engine. Redis provides data structures such as strings, hashes, lists, sets, sorted sets with range queries, bitmaps, hyperloglogs, geospatial indexes, and streams. Redis has built-in replication, Lua scripting, LRU eviction, transactions, and different levels of on-disk persistence, and provides high availability via Redis Sentinel and automatic partitioning with Redis Cluster.

## Packages

```
pacman -S redis
```

## Configuration

### redis.conf

```
nano /etc/redis/redis.conf
```

```
port 0
unixsocket /run/redis/redis.sock
unixsocketperm 770
requirepass your-password
```

### Add http to redis group

```
usermod -aG redis http
```

## Start

```
systemctl enable --now redis.service
```

### sysctl

If the error `overcommit memory ...` occurs with `systemctl status redis.service`, add this to `sysctl`:

```
/etc/sysctl.d/99-sysctl.conf
```

```
vm.overcommit_memory=1
```

# PHP

Enable redis for php.

```
pacman -S php-igbinary php-redis  
nano /etc/php/conf.d/{igbinary.ini,redis.ini}
```

```
extension=igbinary.so  
extension=redis
```

igbinary needs to be loaded first otherwise redis module doesn't start.

## Check

```
redis-cli -s /var/run/redis/redis.sock --askpass monitor
```

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