

## Redis Installation

- `sudo yum install wget gcc make tcl -y`
- `cd /usr/local/src`  
`sudo wget http://download.redis.io/releases/redis-6.2.0.tar.gz`  
Redis releases - <http://download.redis.io/releases/>
- `sudo tar -xvzf redis-6.2.0.tar.gz`  
`cd redis-6.2.0/`
- `sudo make`  
`sudo make test`  
`sudo make install`
- `sudo mkdir /etc/redis`  
`sudo mkdir /var/lib/redis`  
`sudo mkdir /var/log/redis/`
- `sudo groupadd redis`  
`sudo adduser --system -g redis --no-create-home redis`  
`sudo chown redis: /var/lib/redis`  
`sudo chown redis: /var/log/redis/`
- `sudo cp redis.conf /etc/redis/`
- Comment `bind 127.0.0.1 -:::1` line in `/etc/redis/redis.conf` file

```
# IF YOU ARE SURE YOU WANT YOUR INSTANCE TO LISTEN TO ALL THE INTERFACES
# JUST COMMENT OUT THE FOLLOWING LINE.
# ~~~~~
#bind 127.0.0.1 -:::1
```

Disable protected-mode

```
#
# By default protected mode is enabled. You should disable it only if
# you are sure you want clients from other hosts to connect to Redis
# even if no authentication is configured, nor a specific set of interfaces
# are explicitly listed using the "bind" directive.
protected-mode no

# Accept connections on the specified port, default is 6379 (IANA #815344).
```

Set property `dir` to `/var/lib/redis`

```
#
# The Append Only File will also be created inside this directory.
#
# Note that you must specify a directory here, not a file name.
dir /var/lib/redis

##### REPLICATION #####
# Master-Replica replication. Use replicas to make a Redis instance a part of
```

Set logfile to `/var/log/redis/redis.log`

```
# Specify the log file name. Also the empty string can be used to force
# Redis to log on the standard output. Note that if you use standard
# output for logging but daemonize, logs will be sent to /dev/null
logfile /var/log/redis/redis.log

# To enable logging to the system logger, just set 'syslog-enabled' to yes,
# and optionally update the other syslog parameters to suit your needs.
# syslog-enabled no
```

Set password by setting value to `requirepass` config, here I am setting password as 123

```
# Command, these will cause requirepass to be ignored.
#
requirepass 123

# New users are initialized with restrictive permissions by default, via the
# equivalent of this ACL rule 'off resetkeys -@all'. Starting with Redis 6.2, i
```

- Create systemd file  
`sudo vi /etc/systemd/system/redis.service`

```
[Unit]
Description=Redis Data Store
After=network.target

[Service]
User=redis
Group=redis
LimitNOFILE=65536
ExecStart=/usr/local/bin/redis-server /etc/redis/redis.conf
ExecStop=/usr/local/bin/redis-cli shutdown
Restart=always

[Install]
WantedBy=multi-user.target
```

- Add following contents to file `/etc/sysctl.conf`

```
# sysctl settings are defined through files in
# /usr/lib/sysctl.d/, /run/sysctl.d/, and /etc/sysctl.d/.
#
# Vendors settings live in /usr/lib/sysctl.d/.
# To override a whole file, create a new file with the same in
# /etc/sysctl.d/ and put new settings there. To override
# only specific settings, add a file with a lexically later
# name in /etc/sysctl.d/ and put new settings there.
#
# For more information, see sysctl.conf(5) and sysctl.d(5).
vm.overcommit_memory = 1
net.core.somaxconn=1024
fs.file-max = 1000000
```

- `sudo sysctl -p`
- `sudo systemctl start redis`
- `sudo systemctl enable redis`