



Concepts



Forum

Stage #ZN8

Pendina

receives SET foo bar as a command from a client, it'll send *3\r\n\$3\r\n\$5\r\nfoo\r\n\$3\r\nbar\r\n to all connected replicas over their respective replication connections.

Replicas process commands received over the replication connection just like they would process commands received from a client, but with one difference: Replicas don't send responses back to the master. They just process the command silently and update their state.

Similarly, the master doesn't wait for a response from the replica when propagating commands. It just keeps sending commands as they come in.

There is one exception to this "no response" rule, the REPLCONF GETACK command. We'll learn about this in later stages.

Tests

The tester will execute your program like this:

```
./spawn_redis_server.sh --port <PORT>
```

It'll then connect to your TCP server as a replica and execute the following commands:

- PING (expecting +PONG\r\n back)
- REPLCONF listening-port <PORT> (expecting +OK\r\n back)
- 3. REPLCONF capa eof capa psync2 (expecting +0K\r\n back)
- 4. PSYNC ? -1 (expecting +FULLRESYNC <REPL_ID> 0\r\n back)

The tester will then wait for your server to send an RDB file.

Once the RDB file is received, the tester will send series of write commands vour program (as a separate Redis client, not the replica).