Redis Commands - Reference

APPEND key value
Append a value to a key

AUTH password
Authenticate to the server

BGREWRITEAOF
Asynchronously rewrite the append-only file

BGSAVE
Asynchronously save the dataset to disk

BLPOP key [key ...] timeout
Remove and get the first element in a list, or block until one is available

BRPOP key [key ...] timeout
Remove and get the last element in a list, or block until one is available

BRPOPLPUSH source destination ti…
Pop a value from a list, push it to another list and return it; or block until one is available

CONFIG GET parameter
Get the value of a configuration parameter

CONFIG SET parameter value
Set a configuration parameter to the given value

CONFIG RESETSTAT
Reset the stats returned by INFO

DBSIZE
Return the number of keys in the selected database

DEBUG OBJECT key
Get debugging information about a key

DEBUG SEGFAULT
Make the server crash

DECR key
Decrement the integer value of a key by one

DECRBY key decrement
Decrement the integer value of a key by the given number

DEL key [key ...]
Delete a key

DISCARD
Discard all commands issued after MULTI

ECHO message
Echo the given string

EXEC
Execute all commands issued after MULTI

EXISTS key
Determine if a key exists

EXPIRE key seconds
Set a key's time to live in seconds

EXPIREAT key timestamp
Set the expiration for a key as a UNIX timestamp

FLUSHALL
Remove all keys from all databases

FLUSHDB
Remove all keys from the current database

GET key
Get the value of a key

GETBIT key offset
Returns the bit value at offset in the string value stored at key

GETRANGE key start end
Get a substring of the string stored at a key

GETSET key value
Set the string value of a key and return its old value

HDEL key field [field ...]
Delete one or more hash fields

HEXISTS key field
Determine if a hash field exists

HGET key field
Get the value of a hash field

HGETALL key
Get all the fields and values in a hash

HINCRBY key field increment
Increment the integer value of a hash field by the given number

HKEYS key
Get all the fields in a hash

HLEN key
Get the number of fields in a hash

HMGET key field [field ...]
Get the values of all the given hash fields

HMSET key field value [field valu…
Set multiple hash fields to multiple values

HSET key field value
Set the string value of a hash field

HSETNX key field value
Set the value of a hash field, only if the field does not exist

HVALS key
Get all the values in a hash

INCR key
Increment the integer value of a key by one

INCRBY key increment
Increment the integer value of a key by the given number

INFO
Get information and statistics about the server

KEYS pattern
Find all keys matching the given pattern

LASTSAVE
Get the UNIX time stamp of the last successful save to disk

LINDEX key index
Get an element from a list by its index

LINSERT key BEFORE|AFTER pivot va…
Insert an element before or after another element in a list

LLEN key
Get the length of a list

LPOP key
Remove and get the first element in a list

LPUSH key value [value ...]
Prepend one or multiple values to a list

LPUSHX key value
Prepend a value to a list, only if the list exists

LRANGE key start stop
Get a range of elements from a list

LREM key count value
Remove elements from a list

LSET key index value
Set the value of an element in a list by its index

LTRIM key start stop
Trim a list to the specified range

MGET key [key ...]
Get the values of all the given keys

MONITOR
Listen for all requests received by the server in real time

MOVE key db
Move a key to another database

MSET key value [key value ...]
Set multiple keys to multiple values

MSETNX key value [key value ...]
Set multiple keys to multiple values, only if none of the keys exist

MULTI
Mark the start of a transaction block

OBJECT subcommand [arguments [arg…
Inspect the internals of Redis objects

PERSIST key
Remove the expiration from a key

PING
Ping the server

PSUBSCRIBE pattern [pattern ...]
Listen for messages published to channels matching the given patterns

PUBLISH channel message
Post a message to a channel

PUNSUBSCRIBE [pattern [pattern …
Stop listening for messages posted to channels matching the given patterns

QUIT
Close the connection

RANDOMKEY
Return a random key from the keyspace

RENAME key newkey
Rename a key

RENAMENX key newkey
Rename a key, only if the new key does not exist

RPOP key
Remove and get the last element in a list

RPOPLPUSH source destination
Remove the last element in a list, append it to another list and return it

RPUSH key value [value ...]
Append one or multiple values to a list

RPUSHX key value
Append a value to a list, only if the list exists

SADD key member [member ...]
Add one or more members to a set

SAVE
Synchronously save the dataset to disk

SCARD key
Get the number of members in a set

SDIFF key [key ...]
Subtract multiple sets

SDIFFSTORE destination key [key …
Subtract multiple sets and store the resulting set in a key

SELECT index
Change the selected database for the current connection

SET key value
Set the string value of a key

SETBIT key offset value
Sets or clears the bit at offset in the string value stored at key

SETEX key seconds value
Set the value and expiration of a key

SETNX key value
Set the value of a key, only if the key does not exist

SETRANGE key offset value
Overwrite part of a string at key starting at the specified offset

SHUTDOWN
Synchronously save the dataset to disk and then shut down the server

SINTER key [key ...]
Intersect multiple sets

SINTERSTORE destination key [ke…
Intersect multiple sets and store the resulting set in a key

SISMEMBER key member
Determine if a given value is a member of a set

SLAVEOF host port
Make the server a slave of another instance, or promote it as master

SLOWLOG subcommand [argument]
Manages the Redis slow queries log

SMEMBERS key
Get all the members in a set

SMOVE source destination member
Move a member from one set to another

SORT key [BY pattern] [LIMIT offse…
Sort the elements in a list, set or sorted set

SPOP key
Remove and return a random member from a set

SRANDMEMBER key
Get a random member from a set

SREM key member [member ...]
Remove one or more members from a set

STRLEN key
Get the length of the value stored in a key

SUBSCRIBE channel [channel ...]
Listen for messages published to the given channels

SUNION key [key ...]
Add multiple sets

SUNIONSTORE destination key [ke…
Add multiple sets and store the resulting set in a key

SYNC
Internal command used for replication

TTL key
Get the time to live for a key

TYPE key
Determine the type stored at key

UNSUBSCRIBE [channel [channel …
Stop listening for messages posted to the given channels

UNWATCH
Forget about all watched keys

WATCH key [key ...]
Watch the given keys to determine execution of the MULTI/EXEC block

ZADD key score member [score] [mem…
Add one or more members to a sorted set, or update its score if it already exists

ZCARD key
Get the number of members in a sorted set

ZCOUNT key min max
Count the members in a sorted set with scores within the given values

ZINCRBY key increment member
Increment the score of a member in a sorted set

ZINTERSTORE destination numkeys…
Intersect multiple sorted sets and store the resulting sorted set in a new key

ZRANGE key start stop [WITHSCORES]
Return a range of members in a sorted set, by index

ZRANGEBYSCORE key min max [WITH…
Return a range of members in a sorted set, by score

ZRANK key member
Determine the index of a member in a sorted set

ZREM key member [member ...]
Remove one or more members from a sorted set

ZREMRANGEBYRANK key start stop
Remove all members in a sorted set within the given indexes

ZREMRANGEBYSCORE key min max
Remove all members in a sorted set within the given scores

ZREVRANGE key start stop [WITHSC…
Return a range of members in a sorted set, by index, with scores ordered from high to low

ZREVRANGEBYSCORE key max min […
Return a range of members in a sorted set, by score, with scores ordered from high to low

ZREVRANK key member
Determine the index of a member in a sorted set, with scores ordered from high to low

ZSCORE key member
Get the score associated with the given member in a sorted set

ZUNIONSTORE destination numkeys…
Add multiple sorted sets and store the resulting sorted set in a new key

Last updated: Sep 23, 2011. **GG**