

Check_Redis(KeyDB)

The check_redis.pl plugin uses the `Redis` Perl library to monitor a [Redis](#) instance.

The script can be found here [check_redis.pl](#)

The plugin can measure response time, hitrate, memory utilization, check replication synchronization, etc. It is also possible to test data in a specified key and calculate averages or summaries on ranges. You can leverage existing Redis-compatible plugins to monitor KeyDB, as KeyDB maintains compatibility with Redis protocols.

Installation

Copy the script to `/usr/lib64/nagios/plugins`

Run the following:

```
chmod +x check_redis.pl  
  
yum install perl-Redis
```

Example:

Perform a basic connectivity check and retrieve general statistics:

```
/usr/lib64/nagios/plugins/check_redis.pl -H <keydb_host> -p <keydb_port> -a connected_clients,blocked_clients -w 100,10 -c 200,20
```

Check the response time of your Redis server and set warning/critical thresholds (in milliseconds):

```
/usr/lib64/nagios/plugins/check_redis.pl -H <keydb_host> -p <keydb_port> -T 100,200
```

Evaluate the cache hitrate by calculating the ratio of key hits to total requests:

```
/usr/lib64/nagios/plugins/check\_redis.pl -H <keydb_host> -p <keydb_port> -R 85,70
```

Monitor the replication delay between master and slave instances:

```
/usr/lib64/nagios/plugins/check\_redis.pl -H <keydb_host> -p <keydb_port> -r 5,10
```

Assess memory usage relative to a defined maximum memory limit:

```
/usr/lib64/nagios/plugins/check\_redis.pl -H <keydb_host> -p <keydb_port> -m 80,90 -M 4G
```

Compute the average value over a range of keys:

```
/usr/lib64/nagios/plugins/check\_redis.pl -H <keydb_host> -p <keydb_port> -q LRANGE:AVG:mylist:0:10,WARN:50,CRIT:100
```

Monitor the value of a specific key and set thresholds:

```
/usr/lib64/nagios/plugins/check\_redis.pl -H <keydb_host> -p <keydb_port> -q GET:mykey,WARN:100,CRIT:200
```