**Monitoring Redis using Nagios**

Before proceeding with below steps, make sure that you have already Redis Server installed in your Linux box, if you haven’t found/install yet, then you can install the same by using the below command.

$ sudo apt-get install redis-server

1. Install dependency Package

$ sudo cpan install Redis

$ sudo apt-get install npm

$ sudo npm install -g nagios-redis

1. Download the Redis custom plugin

$ cd

$ cd downloads

$ wget <http://www.techthings.org/wp-content/uploads/check_redis.pl.zip>

1. Extract the files from downloaded master.zip file

$ unzip check\_redis.pl.zip

**Note:** It will extract the file named – **check\_redis.pl**

1. Create the “nagios-plugins-redis” directory at **/usr/local/nagios/libexec**, and move the **check\_redis.pl** (extracted file) to “nagios-plugins-redis”

$ sudo mkdir -p /usr/local/nagios/libexec/nagios-plugins-redis

$ sudo mv check\_redis.pl /usr/local/nagios/libexec/nagios-plugins-redis

1. Change the Owner and group along with appropriate permissions on the above copied directory.

$ cd /usr/local/nagios/libexec

$ sudo chown -R nagios.nagios nagios-plugins-redis

$ sudo chmod -R 775 nagios-plugins-redis

1. Create the directory named redis inside /usr/local/nagios/etc

$ cd /usr/local/nagios/etc

$ sudo mkdir redis

1. Create file inside of redis directory

$ cd redis

$ sudo touch redis-services.cfg

1. Add below services definitions to redis-services.cfg

$ sudo vim redis-services.cfg

|  |
| --- |
| define service{  use generic-service  host\_name localhost  service\_description Redis Processes  check\_command check\_nrpe!check\_redis\_procs  }  define service{  use generic-service  host\_name localhost  service\_description Redis Memory Usage  check\_command check\_nrpe!check\_redis\_mem  }  define service{  use generic-service  host\_name localhost  service\_description Redis Connected Clients  check\_command check\_nrpe!check\_redis\_clients  } |

1. Add below redis commands into nrpe.cfg

$ sudo vim /usr/local/nagios/etc/nrpe.cfg

Add below lines in the end of the nrpe.cfg file, then save and exit.

|  |
| --- |
| ## Monitor Redis Service  command[check\_redis\_procs]=/usr/local/nagios/libexec/nagios-plugins-redis/check\_redis.pl -H localhost -p 6379 -t ping  command[check\_redis\_mem]=/usr/local/nagios/libexec/nagios-plugins-redis/check\_redis.pl -H localhost -a --used\_memory\_rss=WARN:700000000,CRIT:1000000000  command[check\_redis\_clients]=/usr/local/nagios/libexec/nagios-plugins-redis/check\_redis.pl -H localhost -a --connected\_clients=WARN:1000, CRIT:1500 |

1. Add the created redis directory to nagios.cfg file.

$ cd /usr/local/nagios/etc

$ sudo vim nagios.cfg

Now add below line.

cfg\_dir=/usr/local/nagios/etc/redis

1. Restart the required services

$ sudo service xinetd restart

$ sudo service nagios restart