1. docker pull jasonrivers/Nagios
2. docker run --name NAGIOS -p 80:80 -id jasonrivers/Nagios
3. Credentials
4. The default credentials for the web interface is nagiosadmin / nagios

We will configure Nagios and Nagios contact.

Edit default nagios configuration with vim:

Docker exec -it NAGIOS bash

Cd /opt/nagios/etc/

1. /opt/nagios/etc# ls

cgi.cfg conf.d htpasswd.users monitor nagios.cfg objects resource.cfg

1. vim nagios.cfg

7. uncomment line **51** for the host monitor configuration.

*cfg\_dir=/opt/nagios/etc/servers*

Add a new folder named *servers*:

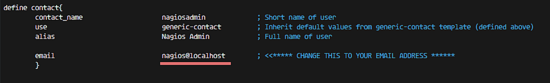
*mkdir -p /opt/nagios/etc/servers*

1. The Nagios contact can be configured in the *contact.cfg* file. To open it use:
2. Cd objects
3. ls

.cfg contacts.cfg localhost.cfg printer.cfg switch.cfg templates.cfg timeperiods.cfg windows.cfg

10.vim contacts.cfg

11. Then replace the default email with your own email.

[](https://www.howtoforge.com/images/how_to_install_nagios_on_ubuntu_15_04/big/21.png)

## 12. Adding a Host to Monitor

In this tutorial, I will add an Ubuntu host to monitor to the Nagios server we have made above.

*Nagios Server IP : 192.168.0.38  
Ubuntu Host IP : 192.168.0.37*

*13. Now go to node2*

*192.168.0.37*

### - Install NRPE Service

*sudo apt-get install nagios-nrpe-server nagios-plugins*

*14.Note in Play with docker you need*

*Apk update*

*Apk upgrade*

*15.BUT ALL THIS WILL NOT WORK ---*

*16. SO Simply*

*17.* *docker run --name NRPE-Server -p 5666:5666 -id ubuntu:latest*

*18.* *apt update -y && apt upgrade -y*

*19. sudo apt-get install nagios-nrpe-server nagios-plugins -y*

*20.apt install -y vim*

*21. vim /etc/nagios/nrpe.cfg*

*22.* *# ALLOWED HOST ADDRESSES*

*# This is an optional comma-delimited list of IP address or hostnames*

*# that are allowed to talk to the NRPE daemon. Network addresses with a bit mask*

*# (i.e. 192.168.1.0/24) are also supported. Hostname wildcards are not currently*

*# supported.*

*#*

*# Note: The daemon only does rudimentary checking of the client's IP*

*# address. I would highly recommend adding entries in your /etc/hosts.allow*

*# file to allow only the specified host to connect to the port*

*# you are running this daemon on.*

*#*

*# NOTE: This option is ignored if NRPE is running under either inetd or xinetd*

*allowed\_hosts=127.0.0.1,****192.168.0.38***

*23. service nagios-nrpe-server restart*

*24.*

**Step 5 - Add Ubuntu Host to Nagios Server**

Please connect to the Nagios server:

Docker exec -it NAGIOS bash

cd /opt/nagios/etc/

27.cd servers

28. *vim ubuntu\_host.cfg*

29. Add the following lines:

*# SKY Host configuration file*

*define host {*

*use linux-server*

*host\_name skyhost.pk*

*alias Ubuntu Host*

*address 192.168.0.37*

*register 1*

*}*

*define service {*

*host\_name skyhost.pk*

*service\_description PING*

*check\_command check\_ping!100.0,20%!500.0,60%*

*max\_check\_attempts 2*

*check\_interval 2*

*retry\_interval 2*

*check\_period 24x7*

*check\_freshness 1*

*contact\_groups admins*

*notification\_interval 2*

*notification\_period 24x7*

*notifications\_enabled 1*

*register 1*

*}*

*define service {*

*host\_name skyhost.pk*

*service\_description Check Users*

*check\_command check\_local\_users!20!50*

*max\_check\_attempts 2*

*check\_interval 2*

*retry\_interval 2*

*check\_period 24x7*

*check\_freshness 1*

*contact\_groups admins*

*notification\_interval 2*

*notification\_period 24x7*

*notifications\_enabled 1*

*register 1*

*}*

*define service {*

*host\_name skyhost.pk*

*service\_description Local Disk*

*check\_command check\_local\_disk!20%!10%!/*

*max\_check\_attempts 2*

*check\_interval 2*

*retry\_interval 2*

*check\_period 24x7*

*check\_freshness 1*

*contact\_groups admins*

*notification\_interval 2*

*notification\_period 24x7*

*notifications\_enabled 1*

*register 1*

*}*

*define service {*

*host\_name skyhost.pk*

*service\_description Check SSH*

*check\_command check\_ssh*

*max\_check\_attempts 2*

*check\_interval 2*

*retry\_interval 2*

*check\_period 24x7*

*check\_freshness 1*

*contact\_groups admins*

*notification\_interval 2*

*notification\_period 24x7*

*notifications\_enabled 1*

*register 1*

*}*

*define service {*

*host\_name skyhost.pk*

*service\_description Total Process*

*check\_command check\_local\_procs!250!400!RSZDT*

*max\_check\_attempts 2*

*check\_interval 2*

*retry\_interval 2*

*check\_period 24x7*

*check\_freshness 1*

*contact\_groups admins*

*notification\_interval 2*

*notification\_period 24x7*

*notifications\_enabled 1*

*register 1*

*}*

30. Now perform pre-flight check

31. which Nagios

32. /usr/local/bin/nagios -v /opt/nagios/etc/nagios.cfg

33.docker restart NAGIOS

34.refresh

35.Thats it