How to add AWS server for Nagios Monitoring:-

Note:- If we are adding a new server in the nagios of a new account then add a new hostgroup in .

1.SSH to the server that is to be added in the nagios.
2.#yum install nrpe nagios-plugins-all.x86_64
3.cd /usr/lib64/nagios/plugins-------to check the plugins
  if any plugin is missing then
  wget http://nagios ip//plugin name
  chmod +x plugin name
4.vim /etc/nagios/nrpe.cfg
  allowed host:nagios ip
  add 7-8 config lines similar to any other server
 vi /etc/nagios/nrpe.cfg
  make following changes:-
               a. allowed host=202.52.134.234

               b. Following are hardcoded lines regarding plugins paste it

command[check_users]=/usr/lib64/nagios/plugins/check_users -w 5 -c 10

command[check_load]=/usr/lib64/nagios/plugins/check_load -w 15,10,5 -c 30,25,20

command[check_hda1]=/usr/lib64/nagios/plugins/check_disk -w 20% -c 10% -p /dev/hda1

command[check_zombie_procs]=/usr/lib64/nagios/plugins/check_procs -w 5 -c 10 -s Z

command[check_total_procs]=/usr/lib64/nagios/plugins/check_procs -w 150 -c 200

command[check_raid]=/usr/lib64/nagios/plugins/check_raid
                    command[check_yum]=sudo
/usr/lib64/nagios/plugins/check_yum

command[check_disk]=/usr/lib64/nagios/plugins/check_disk -w 20% -c 10%
                    command[check_md_raid]=sudo
/usr/lib64/nagios/plugins/check_md_raid

command[check_mem]=/usr/lib64/nagios/plugins/check_mem -w 90,25 -c 95,50

command[check_cpu_perf]=/usr/lib64/nagios/plugins/check_cpu_perf

command[check_uptime]=/usr/lib64/nagios/plugins/check_uptime

5.restart nrpe.cfg
6 whitelist the ip of the nagios in the SG of the instance from the console
7.Also check memcache is running or not.

No go to the dhruv (202.52.134.18---hostin_01)
/ ssh root@202.52.134.196

1.cd /usr/local/nagios/etc/objects/
2.cp any server.cfg file new server.cfg
3.vi new server.cfg
   add the services to be monitored with the required port numbers.
   for content check browse the website and view the source of the page
and search the title and cp stating word and paste in the file !word

4.After adiinfg the services reload the nagios

 /etc/nagios/reload

lastly go to the nagios and view the pending host and reschedule the services for the desired server.

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redirect non-www URL to www in windows

https://blogs.iis.net/owscott/iis-url-rewrite-rewriting-non-www-to-www

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For Ubuntu Server

On local server:-
1.take ssh and install nrpe client by using following command

  #apt-get install nagios-nrpe-server nagios-plugins

2. Check all plugings r installed

  #cd /usr/lib/nagios/plugins

3.If check_cpu_perf and check_mem are not present then

 #wget http://202.52.134.101/check_cpu_perf

#wget http://202.52.134.101/check_mem

4.Change permission of the plugins

  #chmod +x check_cpu_perf check_mem

5.Configure the nrpe.cfg file

  vi /etc/nagios/nrpe.cfg
  make following changes:-
                  a. allowed host=202.52.134.101

                b. Following are hardcoded lines regarding plugins paste it

command[check_users]=/usr/lib/nagios/plugins/check_users -w 5 -c 10

command[check_load]=/usr/lib/nagios/plugins/check_load -w 15,10,5 -c 30,25,20

command[check_hda1]=/usr/lib/nagios/plugins/check_disk -w 20% -c 10% -p /dev/hda1

command[check_zombie_procs]=/usr/lib/nagios/plugins/check_procs -w 5 -c 10 -s Z

command[check_total_procs]=/usr/lib/nagios/plugins/check_procs -w 150 -c 200

command[check_raid]=/usr/lib/nagios/plugins/check_raid
                              command[check_yum]=sudo /usr/lib/nagios/plugins/check_yum

command[check_disk]=/usr/lib/nagios/plugins/check_disk -w 20% -c 10%
command[check_md_raid]=sudo
/usr/lib/nagios/plugins/check_md_raid

command[check_mem]=/usr/lib/nagios/plugins/check_mem -w 90,25 -c 95,50

command[check_cpu_perf]=/usr/lib/nagios/plugins/check_cpu_perf

command[check_uptime]=/usr/lib/nagios/plugins/check_uptime

6.Restart nrpe.cfg

  #/etc/init.d/nagios-nrpe-server

Goto Nagios Server-
      take ssh and,
1.Create .cfg file for the local server

2.Add the services which are required to be monitored (Copy contents from any .cfg file of any server present and make required chabges in it)

3.Reload the nagios
   #/etc/init.d/nagios reload

Goto nagios-

  Reschedule the services in the nagios

perl verify_pnp_config --mode npcdmod --config=/etc/nagios/nagios.cfg --pnpcfg=/usr/local/pnp4nagios/etc

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Troubleshooting the nagios

1. If after adding server to nagios when we reschedule all services first time ,if some of the service displays following error

DISK CRITICAL - /sys/kernel/debug/tracing is not accessible: Permission denied ....(this error came for disk of metropolisindia)

then,

a.ssh to the server.
b.vi /etc/nagios/nrpe.cfg
c.goto the 7-8 lines added for the plugins and then find the service which is displaying error it will look like

    command[check_disk]=/usr/lib/nagios/plugins/check_disk -w 20% -c 10%

  Correct it with below just add sudo at the start

    command[check_disk]=sudo /usr/lib/nagios/plugins/check_disk -w 20% -c 10%

d.Finally make the entry for the service in /etc/sudoers

    nagios ALL=(ALL) NOPASSWD:/usr/lib/nagios/plugins/check_disk
Or
nrpe ALL=(ALL) NOPASSWD:/usr/lib64/nagios/plugins/check_disk

2. If in content check it shows

  HTTP WARNING: HTTP/1.1 403 Forbidden

then goto cd /etc/httpd/conf.d/mod_security.conf
add below lines
  SecRule REMOTE_ADDR "^202\.52\.134\.101$"
phase:1,allow,ctl:ruleEngine=Off,id:999945

3.Important command to check nagios parameter on dhruv

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

4.Sometime while checking nrpe status of centos7 it may show error of
binding on port 5666 at that time xinentd service is also running on port
5666 so check

#ps -auxf | grep xientd
#kill the process
#systemctl status nrpe

It will solve the issue

clone-subscription-software
clone-subscription-software-30-06-2018

   13.232.102.255/nagios

```
rpm -Uvh
http://dl.fedoraproject.org/pub/epel/6/i386/epel-release-6-8.noarch.rpm
rpm -Uvh http://rpms.famillecollet.com/enterprise/remi-release-6.rpm
yum install nagios nagios-plugins-all nagios-plugins-nrpe nrpe
chkconfig httpd on && chkconfig nagios on
/etc/init.d/httpd restart
/etc/init.d/nagios restart
/etc/init.d/nagios start
/etc/init.d/nagios status
htpasswd -c /etc/nagios/passwd admin

#cd /usr/lib64/nagios/plugins/
wget http://202.52.134.101/check_nrpe
chmod +x check_nrpe

#Test nrpe with any host containing nrpe client
    /usr/lib64/nagios/plugins/check_nrpe -H 52.66.150.93

#Nagios config command check
    /usr/sbin/nagios -v /etc/nagios/nagios.cfg

#vi commands.cfg and add below lines at last
    # nrpe command definition without ssl
    define command{
    command_name check_nrpe
    command_line    $USER1$/check_nrpe -H $HOSTADDRESS$ -c
$ARG1$ -t 60
```

```
        }

    # 'check_http_content' command definition
    define command{
    command_name check_http_content
    command_line    $USER1$/check_http -H $ARG1$ -u $ARG2$
        }

    #  check_site_content
    define command {
    command_name check_site_content
    command_line /usr/lib64/nagios/plugins/check_http -H
$HOSTADDRESS$ -u "$ARG1$"-f follow "$ARG2$"
        }

  #add hostgroups.cfg
    define hostgroup{
    hostgroup_name  aws
    alias          aws servers
    }
    define hostgroup{
    hostgroup_name  intivion
    alias          Intivion Technologies
    }

  # at /etc/nagios/object/

    mkdir aws
    mkdir intivion

    #Add required cfg filres now

  #Errors and solution
```

IF Error: Template 'noping-server' specified in host definition could not be not found (config file '/etc/nagios/objects/condenast/www.architecturaldigest.in.cfg', starting on line 1)
  Error processing object config files!

 then goto /etc/nagios/objects/templates.cfg
 add below line
 define host{

```
        name                    noping-server  ; The name of this host template
        use                     generic-host        ; Inherit default values from the
generic-host template
        check_period            24x7            ; By default, Windows servers are
monitored round the clock
        check_interval          5               ; Actively check the server every 5
minutes
        max_check_attempts   10               ; Check each server 10 times
(max)
        check_command        check_tcp!80      ; Default command to check
if servers are "alive"
        notification_interval   30               ; Resend notifications every 30
minutes
        notification_options    d,u,r          ; Only send notifications for
specific host states
        contact_groups          admins        ; Notifications get sent to the
admins by default
        register                0               ; DONT REGISTER THIS - ITS JUST A
TEMPLATE
```

#If Error: Contact group 'condenast' specified in service 'CONTENT_CHECK_http://www.vogue.in/beauty' for host 'www.vogue.in' is not defined anywhere!
########## Condenast ###########
define contact{
        use   generic-contact
        contact_name   condenast
        alias   condenast
        host_notifications_enabled   1
        service_notifications_enabled   1
        service_notification_period   24x7
        host_notification_period   24x7
        service_notification_options u,c,r
        host_notification_options   d,u,r
        service_notification_commands   notify-service-by-email
        host_notification_commands   notify-host-by-email
        email   ajinkya@cloud.in

        }

define contactgroup{
        contactgroup_name condenast
        alias   condenast
        members condenast
}

 #IF Error: Service check command 'check_sslexp' specified in service 'CHECK_SSL' for host 'idv.gicouncil.in' not defined anywhere!
   Checked 848 services.
        # 'check_sslexp' command definition
        define command{
        command_name check_sslexp
        command_line $USER1$/check_http -H $ARG1$ -C $ARG2$

```
        }



    #If Error: Service check command 'check_snmp_disk' specified in service
'C: Drive Disk' for host 'www.tatatubes.com' not defined anywhere!
        define command{
        command_name check_snmp_disk
        command_line $USER1$/check_snmp_disk.pl -H $HOSTADDRESS$
-C public -m $ARG1$ -w $ARG2$ -c $ARG3$ $ARG4$
        }


        Error: Service check command 'check_snmp_load' specified in
service 'Load' for host 'www.tatatubes.com' not defined anywhere!
        define command{
        command_name check_snmp_load
        command_line $USER1$/check_snmp_load.pl -H
$HOSTADDRESS$ -C public -T stand -w 60 -c 70
        }


        Error: Service check command 'check_win_mem' specified in service
'Memory' for host 'www.tatatubes.com' not defined anywhere!
        define command{
        command_name check_win_mem
        command_line $USER1$/check_mem_snmp -H $HOSTADDRESS$
-C public -w $ARG1$ -c $ARG2$
        }


        Error: Service check command 'check_win_update' specified in
service 'Updates' for host 'www.tatatubes.com' not defined anywhere!
        define command{
        command_name check_win_update
```

```
        command_line $USER1$/check_windows_update.pl -H
$HOSTADDRESS$ -p public
        }


        #IF Error: Service check command 'check_snmp_process' specified
in service 'Process' for host 'ewp.hostin.in' not defined anywhere!
        define command{
        command_name check_snmp_process
        command_line $USER1$/check_snmp_process.pl -H
$HOSTADDRESS$ -C public -n $ARG1$ -w $ARG2$ -c $ARG3$ $ARG4$
        }


        Error: Service check command 'check_rbl' specified in service 'RBL'
for host 'ewp.hostin.in' not defined anywhere!
        # 'check_rbl' command definition
        define command{
        command_name check_rbl
        command_line    $USER1$/check_rbl $HOSTADDRESS$


        #IF Error: Template 'generic-service-300' specified in service
definition could not be not found (config file
'/etc/nagios/objects/aws/ewp.hostin.in.cfg', starting on line 54) enter below
line in templates.cfg



        define service{
        name                    generic-service-300    ; The 'name' of this
service template
        active_checks_enabled      1                 ; Active service checks
are enabled
        passive_checks_enabled     1                 ; Passive service
checks are enabled/accepted
```

```
        parallelize_check              1                          ; Active service checks
should be parallelized (disabling this can lead to major performance
problems)
        obsess_over_service            1                          ; We should obsess
over this service (if necessary)
        check_freshness                0                          ; Default is to NOT
check service 'freshness'
        notifications_enabled          1                          ; Service notifications
are enabled
        event_handler_enabled          1                          ; Service event handler
is enabled
        flap_detection_enabled         1                          ; Flap detection is
enabled
        failure_prediction_enabled     1                          ; Failure prediction is
enabled
        process_perf_data              1                          ; Process performance
data
        retain_status_information      1                          ; Retain status
information across program restarts
        retain_nonstatus_information          1                          ; Retain
non-status information across program restarts
        is_volatile             0                          ; The service is not volatile
        check_period                   24x7                       ; The service can be
checked at any time of the day
        max_check_attempts             3                          ; Re-check the service
up to 3 times in order to determine its final (hard) state
        normal_check_interval          300                        ; Check the service
every 10 minutes under normal conditions
        retry_check_interval           1                          ; Re-check the service
every two minutes until a hard state can be determined
        contact_groups                 admins                     ; Notifications get sent
out to everyone in the 'admins' group
```

```
       notification_options          w,u,c,r              ; Send notifications
about warning, unknown, critical, and recovery events
       notification_interval         360                  ; Re-notify about
service problems every hour
       notification_period           24x7                 ; Notifications can be
sent out at any time
       register                      0                    ; DONT REGISTER THIS
DEFINITION - ITS NOT A REAL SERVICE, JUST A TEMPLATE!
       }


       }


       Error: Service check command 'check_win_uptime' specified in
service 'Uptime' for host 'ewp.hostin.in' not defined anywhere!
       # 'check_snmp' command definition
       define command{
       command_name check_win_uptime
       command_line    $USER1$/check_snmp -H $HOSTADDRESS$ -C
public -P 2c -o sysUpTime.0
       }
```