**CONFIGURING NAGIOS SERVER TO SEND MAIL NOTIFICATIONS**

1. In the /etc/nagios/gluster/gluster-contacts.cfg file, add contacts to send mail in the format shown below:

Modify contact\_name, alias, and email.

define contact {

contact\_name *Contact1*

alias *ContactNameAlias*

email *email-address*

service\_notification\_period 24x7

service\_notification\_options w,u,c,r,f,s

service\_notification\_commands notify-service-by-email

host\_notification\_period 24x7

host\_notification\_options d,u,r,f,s

host\_notification\_commands notify-host-by-email

}

define contact {

contact\_name *Contact2*

alias *ContactNameAlias2*

email *email-address*

service\_notification\_period 24x7

service\_notification\_options w,u,c,r,f,s

service\_notification\_commands notify-service-by-email

host\_notification\_period 24x7

host\_notification\_options d,u,r,f,s

host\_notification\_commands notify-host-by-email

}

The service\_notification\_options directive is used to define the service states for which notifications can be sent out to this contact. Valid options are a combination of one or more of the following:

* + w: Notify on WARNING service states
  + u: Notify on UNKNOWN service states
  + c: Notify on CRITICAL service states
  + r: Notify on service RECOVERY (OK states)
  + f: Notify when the service starts and stops FLAPPING
  + n (none): Do not notify the contact on any type of service notifications

The host\_notification\_options directive is used to define the host states for which notifications can be sent out to this contact. Valid options are a combination of one or more of the following:

* + d: Notify on DOWN host states
  + u: Notify on UNREACHABLE host states
  + r: Notify on host RECOVERY (UP states)
  + f: Notify when the host starts and stops FLAPPING
  + s: Send notifications when host or service scheduled downtime starts and ends
  + n (none): Do not notify the contact on any type of host notifications.

**Note**

By default, a contact and a contact group are defined for administrators in contacts.cfg and all the services and hosts will notify the administrators. Add suitable email id for administrator in contacts.cfg file.

1. To add a group to which the mail need to be sent, add the details as given below:
2. define contactgroup{
3. contactgroup\_name *Group1*
4. alias *GroupAlias*
5. members *Contact1,Contact2*

}

1. In the /etc/nagios/gluster/gluster-templates.cfg file specify the contact name and contact group name for the services for which the notification need to be sent, as shown below:

Add contact\_groups name and contacts name.

define host{

name gluster-generic-host

use linux-server

notifications\_enabled 1

notification\_period 24x7

notification\_interval 120

notification\_options d,u,r,f,s

register 0

contact\_groups *Group1*

contacts *Contact1,Contact2*

}

define service {

name gluster-service

use generic-service

notifications\_enabled 1

notification\_period 24x7

notification\_options w,u,c,r,f,s

notification\_interval 120

register 0

\_gluster\_entity Service

contact\_groups *Group1*

contacts *Contact1,Contact2*

}

You can configure notification for individual services by editing the corresponding node configuration file. For example, to configure notification for brick service, edit the corresponding node configuration file as shown below:

define service {

use brick-service

\_VOL\_NAME *VolumeName*

\_\_GENERATED\_BY\_AUTOCONFIG 1

notes Volume : *VolumeName*

host\_name *RedHatStorageNodeName*

\_BRICK\_DIR *brickpath*

service\_description Brick Utilization - *brickpath*

contact\_groups *Group1*

contacts *Contact1,Contact2*

}

1. To receive detailed information on every update when Cluster Auto-Config is run, edit /etc/nagios/objects/commands.cfg file add $NOTIFICATIONCOMMENT$\n after $SERVICEOUTPUT$\n option in notify-service-by-email and notify-host-by-emailcommand definition as shown below:
2. # 'notify-service-by-email' command definition
3. define command{
4. command\_name notify-service-by-email
5. command\_line /usr/bin/printf "%b" "\*\*\*\*\* Nagios \*\*\*\*\*\n\nNotification Type: $NOTIFICATIONTYPE$\n\nService: $SERVICEDESC$\nHost: $HOSTALIAS$\nAddress: $HOSTADDRESS$\nState: $SERVICESTATE$\n\nDate/Time: $LONGDATETIME$\n\nAdditional Info:\n\n$SERVICEOUTPUT$\n *$NOTIFICATIONCOMMENT$\n*" | /bin/mail -s "\*\* $NOTIFICATIONTYPE$ Service Alert: $HOSTALIAS$/$SERVICEDESC$ is $SERVICESTATE$ \*\*" $CONTACTEMAIL$
6. }
7. Restart the Nagios server using the following command:

# service nagios restart

The Nagios server sends notifications during status changes to the mail addresses specified in the file.

**Note**

* By default, the system ensures three occurances of the event before sending mail notifications.
* By default, Nagios Mail notification is sent using /bin/mail command. To change this, modify the definition for notify-host-by-email command and notify-service-by-email command in /etc/nagios/objects/commands.cfg file and configure the mail server accordingly.