CONFIGURING NAGIOS SERVER

TO

SEND MAIL NOTIFICATIONS

Step-01: Install Postfix to configure SMTP Server

```
[root@mail ~]#dnf -y install postfix
```

```
[root@mail ~]# vi /etc/postfix/main.cf
# line 95: uncomment and specify hostname

myhostname = mail.srv.world
# line 102: uncomment and specify domain name

mydomain = srv.world
# line 118: uncomment

myorigin = $mydomain

# line 135: change

inet_interfaces = all
# line 138: change it if use only IPv4

inet_protocols = ipv4
# line 183: add

mydestination = $myhostname, localhost.$mydomain, localhost, $mydomain
# line 283: uncomment and specify your local network

mynetworks = 127.0.0.0/8, 10.0.0.0/24
# line 438: uncomment (use Maildir)

home_mailbox = Maildir/

# line 593: add

smtpd_banner = $myhostname ESMTP

# add follows to the end


# for example, limit an email size for 10M
```

```
message_size_limit = 10485760
# for example, limit a mailbox for 1G
mailbox_size_limit = 1073741824

# SMTP-Auth setting
smtpd_sasl_type = dovecot
smtpd_sasl_path = private/auth
smtpd_sasl_auth_enable = yes
smtpd_sasl_security_options = noanonymous
smtpd_sasl_local_domain = $myhostname
smtpd_recipient_restrictions = permit_mynetworks, permit_auth_destination,
                               permit_sasl_authenticated, reject

[root@mail ~]# systemctl enable --now postfix

#firewall-cmd --add-service=smtp –permanent
#firewall-cmd --reload
success
```

Step-02: Then we will configure the Nagios Server Side

```
0. Stop Nagios Service
#service nagios stop
```

1. We edit the *contact_name*, *alias*, and *email* in the configuration file under the *define contact* section.

```
#/usr/local/nagios/etc/objects/contacts.cfg
```

```
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.

2. To add a group to which the mail need to be sent, add the details as given below:

```
define contactgroup{

        contactgroup_name                       Group1

        alias                                   GroupAlias

        members                                 Contact1,Contact2


}
```

3. 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-email`command definition as shown below:

```
# 'notify-service-by-email' command definition

define command{

        command_name     notify-service-by-email
```

```
        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 $SERVICESTATE$ **"
$CONTACTEMAIL$


        }
```

4. Restart the Nagios server using the following command:

```
# service nagios restart
```