Link: https://itadminsbraindump.wordpress.com/2020/01/22/configure-nagios-email-notifications-in-aws-ec2-linux-server/

onfigure Nagios Email Notifications in AWS EC2 Linux Server

[Dharamvir's Braindump](https://itadminsbraindump.wordpress.com/author/sangramsystems/" \o "Posts by Dharamvir's Braindump)  [Brain Dump](https://itadminsbraindump.wordpress.com/category/brain-dump/)  January 22, 2020 3 Minutes

[](https://itadminsbraindump.files.wordpress.com/2020/01/nagios-email-notifications.jpg)

We have learnt Nagios Core installation [here](https://itadminsbraindump.wordpress.com/2020/01/21/configure-nagios-in-aws-ec2-linux-server). Now we need to configure Email Notifications for the same.

By default, please note that Nagios Core alone is not capable of sending emails if you not configure PostFIX or any SMTP Mail Client in the server.

So, For emails, I created a **Gmail ID** and provided **PostFIX** that information so that Nagios can send emails from this Gmail ID.

Let’s get started,

As root, run below command to install PostFIX and MailX utility

**sudo yum install postfix mailx**

**MailX** is a small binary program that is used by Nagios to send mail to the local Postfix mail server.

Now lets configure PostFIX

**vi /etc/postfix/main.cf**

and paste the following lines in the end:

relayhost = [smtp.gmail.com]:587

mynetworks = 127.0.0.0/8

inet\_interfaces = loopback-only

smtp\_use\_tls = yes

smtp\_always\_send\_ehlo = yes

smtp\_sasl\_auth\_enable = yes

smtp\_sasl\_password\_maps = hash:/etc/postfix/sasl\_passwd

smtp\_sasl\_security\_options = noanonymous

smtp\_sasl\_tls\_security\_options = noanonymous

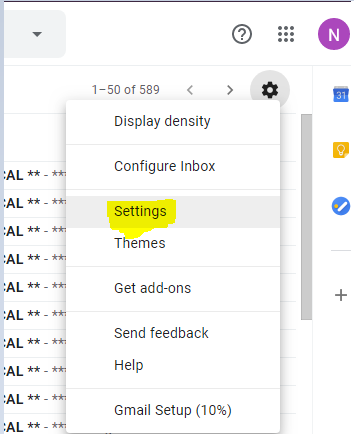
smtp\_tls\_security\_level = encrypt

smtp\_generic\_maps = hash:/etc/postfix/generic

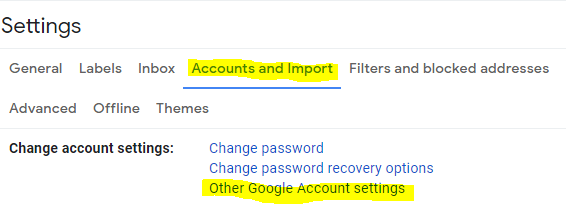
Now as we written that login information is in **smtp\_sasl\_password\_maps = hash:/etc/postfix/sasl\_passwd** path so we need to fill that sasl\_password file.

**vi /etc/postfix/sasl\_passwd**

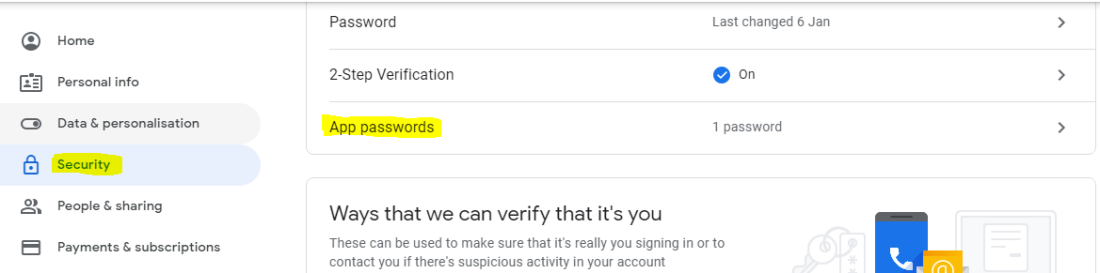
As it is not recommended to save passwords in plain text format so, for that Gmail provide “App Passwords” which is encrypted and safe to use and works same as passwords but you can use them in applications.

For this, Login to your **Gmail** and go to **Settings.**  
[](https://itadminsbraindump.files.wordpress.com/2020/01/nagios-email-notifications.png)

Then click on **Accounts and Import**, then click on **Other Google Account Settings**.

[](https://itadminsbraindump.files.wordpress.com/2020/01/nagios-core-email-notification-setup.png)

Click on **Security** and then Select **App Password**

[](https://itadminsbraindump.files.wordpress.com/2020/01/nagios-postfix-configuration.png)

In this page select the device as **Unrecognised Device** or you can set any name here and click on **Generate**. Copy the **encrypted password** from here and then on server, create a new blank file

**vi /etc/postfix/sasl\_passwd**

and paste the **Gmail ID** and **App Password** in below format:

**[smtp.gmail.com]:587** [**nagiosmail@gmail.com:isighuwxxxyyyyhjshdjjkjks**](mailto:nagiosmail@gmail.com:isighuwxxxyyyyhjshdjjkjks)

Now generate PostFIX lookup table

**postmap /etc/postfix/sasl\_passwd**

Now change permission for password file

**chown root:postfix /etc/postfix/sasl\_passwd**

**chmod 640 /etc/postfix/sasl\_passwd**

we need to configure a **generic** file in order to be able to send emails as a valid user.

**vi /etc/postfix/generic**

Save and exit from file and change permissions too.

**chown root:root /etc/postfix/generic**

**chmod 0600 /etc/postfix/generic**

**postmap /etc/postfix/generic**

Now Change alias root to your email address.

**vi /etc/aliases**

Make the changes like below:

**mailer-daemon:  postmaster**

**postmaster:     root**

**root:           Nagiosmail@gmail.com**

save and exit and run below command for changes to take place.

**newaliases**

Restart PostFIX

**systemctl restart postfix.service**

Now PostFIX is ready to send emails. Test it by sending emails to your id

**echo "This is the body of the test email" | mail -s "This is the subject line" dharamvirsingh@gmail.com**

We need to configure **MailX** and **Nagios** now.

Modify **Commands.cfg**  for Nagios,

**vi /usr/local/nagios/etc/objects/commands.cfg**

and make changes as provided:

define command {

command\_name    process-host-perfdata

command\_line    /usr/bin/printf "%b" "$LASTHOSTCHECK$\t$HOSTNAME$\t$HOSTSTATE$\t$HOSTATTEMPT$\t$HOSTSTATETYPE$\t$HOSTEXECUTIONTIME$\t$HOSTOUTPUT$\t$HOSTPERFDATA$\n" >> /usr/local/nagios/var/host-perfdata.out

}

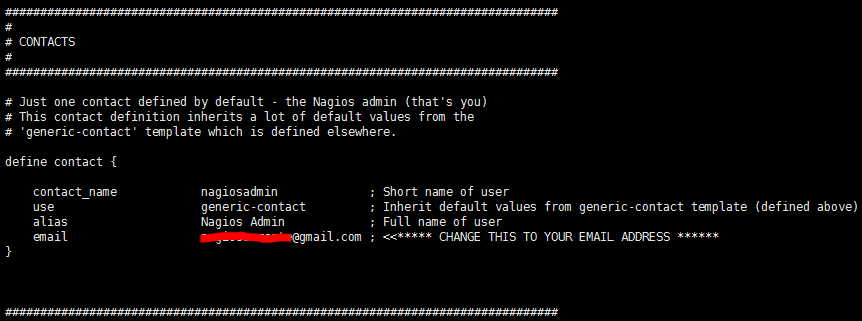
define command {

command\_name    process-service-perfdata

command\_line    /usr/bin/printf "%b" "$LASTSERVICECHECK$\t$HOSTNAME$\t$SERVICEDESC$\t$SERVICESTATE$\t$SERVICEATTEMPT$\t$SERVICESTATETYPE$\t$SERVICEEXECUTIONTIME$\t$SERVICELATENCY$\t$SERVICEOUTPUT$\t$SERVICEPERFDATA$\n" >> /usr/local/nagios/var/service-perfdata.out

}

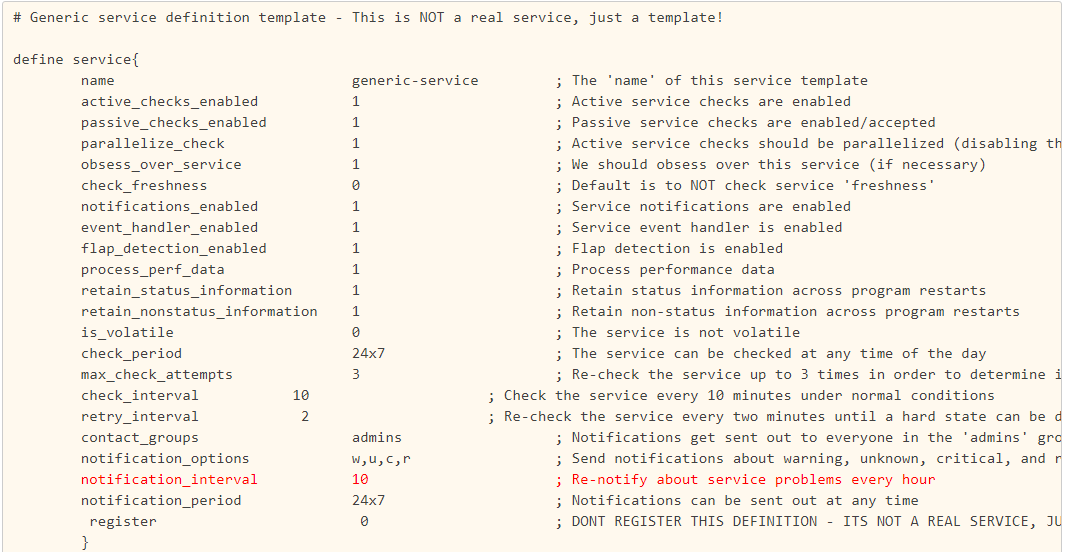
Modify **contact.cfg** – Here we need to add email address where all the notification will go.

**vi /usr/local/nagios/etc/objects/contacts.cfg[](https://itadminsbraindump.files.wordpress.com/2020/01/nagios-command-cfg-postfix-mailx.png)**

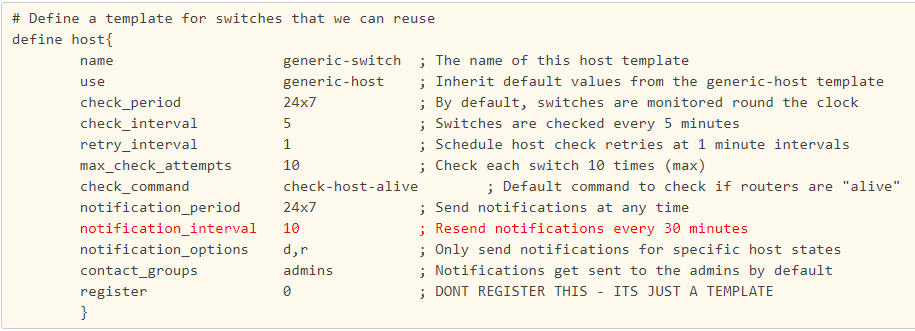
Now change **Notifications Durations** to 10 Mins

**vi /usr/local/nagios/etc/objects/templates.cfg**

For service Notifications, modify red highlighted entry

[](https://itadminsbraindump.files.wordpress.com/2020/01/nagios-core-xi-notification-setup.png)

For Host notifications, modify red highlighted entry

[](https://itadminsbraindump.files.wordpress.com/2020/01/nagios-xi-gmail-postfix-configurations.png)

In the end run below command and set password for nagiosadmin user

**sudo htpasswd -c /etc/nagios/htpasswd.users nagiosadmin**

Restart nagios service:

**sudo systemctl restart nagios.service**

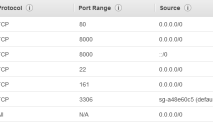
Now you can access the web page with “**nagiosadmin**” and monitor all objects.

<http://ipaddressofserver/nagios>

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