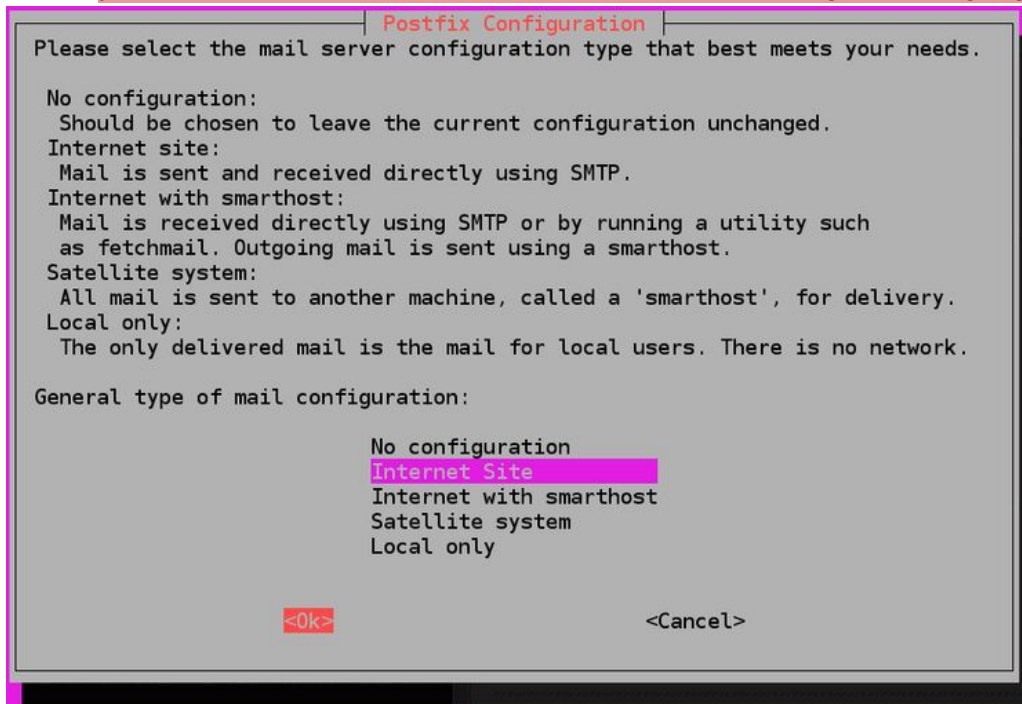


## Configuring Postfix email client for sending mails through Gmail SMTP server

1. Install the required packages by running the following command.  
`sudo apt-get install postfix mailutils libsasl2-2 ca-certificates libsasl2-modules`
2. If you are installing postfix for the first time, it will prompt with some options. Select your server as Internet Site and for FQDN use something like mail.google.com



3. Open the main configuration file for postfix using the below command.  
`vim /etc/postfix/main.cf`  
And add the following lines to this file.  
`relayhost = [smtp.gmail.com]:587`  
`smtp_sasl_auth_enable = yes`  
`smtp_sasl_password_maps = hash:/etc/postfix/sasl_passwd`  
`smtp_sasl_security_options = noanonymous`  
`smtp_tls_CAfile = /etc/postfix/cacert.pem`  
`smtp_use_tls = yes`
4. Now we need to give the Gmail account details i.e. username and password. The emails will be sent from this account.  
`vim /etc/postfix/sasl_passwd`  
Add the below line to the sasl\_passwd file.  
`[smtp.gmail.com]:587 USERNAME@gmail.com:PASSWORD`
5. Then we need to provide sudo access and set postfix to use the sasl\_passwd for authentication.  
`sudo chmod 400 /etc/postfix/sasl_passwd`  
`sudo postmap /etc/postfix/sasl_passwd`
6. Now we've to validate server certificate using the following command.  
`cat /etc/ssl/certs/Thawte_Premium_Server_CA.pem | sudo tee -a /etc/postfix/cacert.pem`

## Configuring Postfix email client for sending mails through Gmail SMTP server

Note: If you run into issues with above command, try changing certificate name to thawte\_Primary\_Root\_CA.pem in above command

7. To apply the above made changes reload and restart the postfix service to confirm changes.

```
sudo /etc/init.d/postfix reload  
or  
sudo service postfix restart
```

8. For testing the above configuration run the below command.

```
echo "Test mail from postfix" | mail -s "Test Postfix" example@gmail.com
```

9. For checking the error log for the above configuration, use the below command.

```
postqueue -p
```

If it shows **Mail queue is empty**, the above configuration is working fine. If not please go through the log entries with their respective exceptions cause and debug. Please note that Gmail's SMTP server has a limit of 500 emails per day

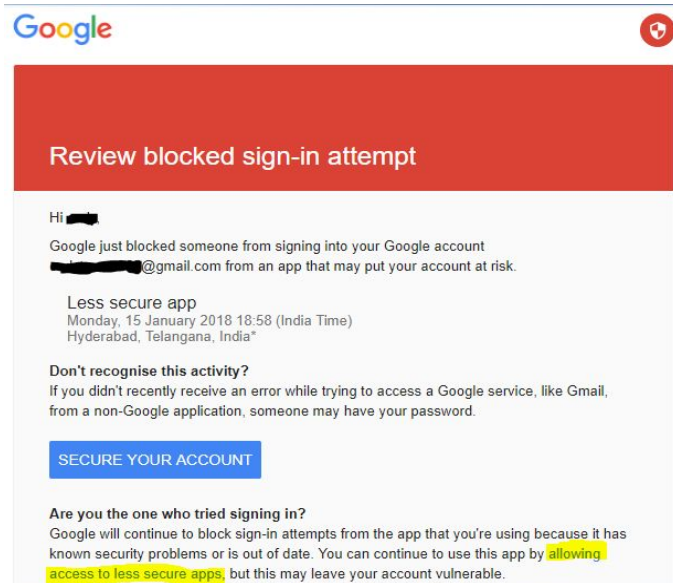
Gmail account configuration post email postfix configuration

1. If you get Error: "SASL authentication failed; server smtp.gmail.com".

Visit this page and unlock this feature.

<https://www.google.com/accounts/DisplayUnlockCaptcha>

2. Also while trying to send the first mail, the configured gmail account will ask to review the app request by an email which also need to be allowed.



3. If showing "resource temporarily unavailable" in mailq or postqueue command then: Change the value as **inet\_protocols = ipv4**

4. If postfix startup is failing then:

Change the **inet\_protocols = ipv6** then after starting again change to **inet\_protocols = ipv4**

<https://github.com/amitsahu07/>