Configuration of postfix to send mails using gmail.
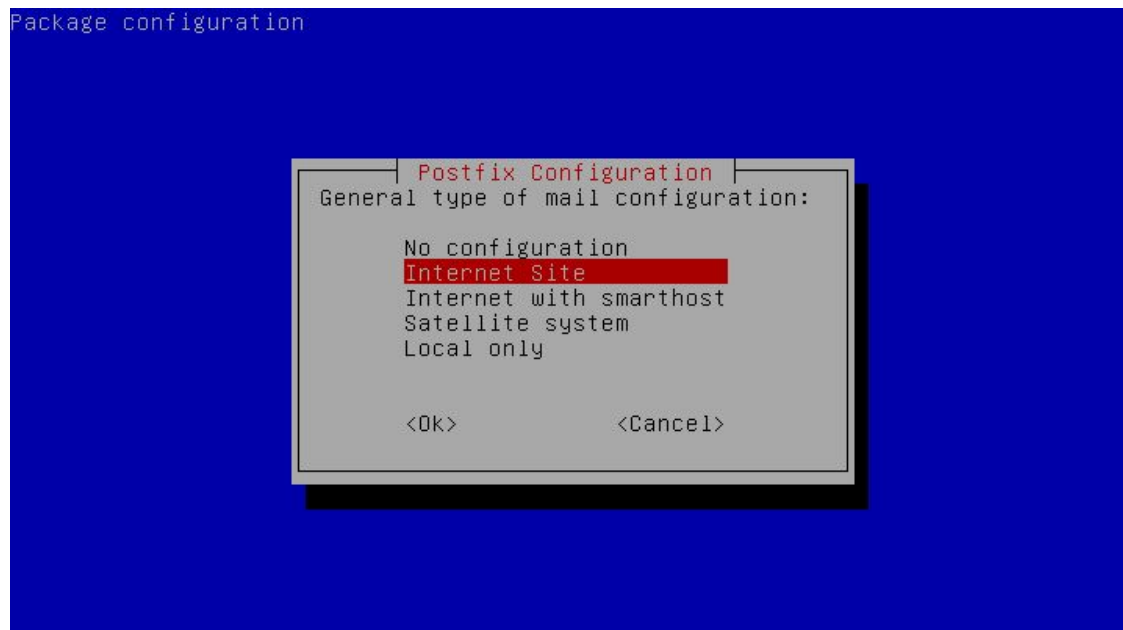
1. update and upgrade all the packages

   sudo apt-get update && sudo apt-get upgrade

2. Install Postfix and the libsasl2-modules package

   sudo apt-get install libsasl2-modules postfix

3. Select internet site in the prompt and enter the FQDN as <username>@localhost.com

4. Enable the less secure app access on the gmail account you are going to use to send mails.

5. **Configure the Postfix Relay Server**

    5.1   open file /etc/postfix/main.cf and modify relayhost

            sudo vi /etc/postfix/main.cf
            relayhost = [smtp.gmail.com]:587

    5.2   At the end of the file, add the following parameters to enable authentication

            # Enable SASL authentication
            smtp_sasl_auth_enable = yes
            # Disallow methods that allow anonymous authentication
            smtp_sasl_security_options = noanonymous
            # Location of sasl_passwd
            smtp_sasl_password_maps = hash:/etc/postfix/sasl/sasl_passwd
            # Enable STARTTLS encryption
            smtp_tls_security_level = encrypt
            # Location of CA certificates
            smtp_tls_CAfile = /etc/ssl/certs/ca-certificates.crt

    5.3   Save and close the file

6. **Add Gmail Username and Password to Postfix**

    6.1   Open or create the /etc/postfix/sasl/sasl_passwd file and add the following

            [smtp.gmail.com]:587 username@gmail.com:password

    6.2   Create the hash db file for Postfix by running the postmap command

            sudo postmap /etc/postfix/sasl/sasl_passwd

7. **Secure Your Postfix Hash Database and Email Password Files**

    sudo chown root:root /etc/postfix/sasl/sasl_passwd /etc/postfix/sasl/sasl_passwd.db
    sudo chmod 0600 /etc/postfix/sasl/sasl_passwd /etc/postfix/sasl/sasl_passwd.db

8. **Restart Postfix**
            sudo systemctl restart postfix   (For ubuntu 16.04)
            sudo service postfix restart   (For ubuntu 14.04)