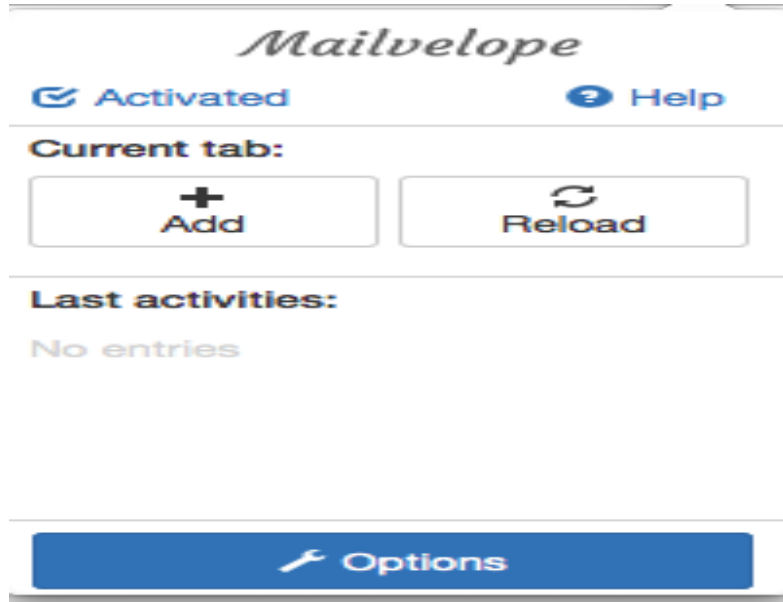


**ALISHA GURUNG**  
**BHUTAN TELECOM LIMITED**

## On Chrome and Firefox

Go to Settings → Extensions → Search for  
Mailvelope and add

- After installation, a lock icon is displayed in the main Google Chrome toolbar (to the right of the address bar). Click it to open the Mailvelope main menu.

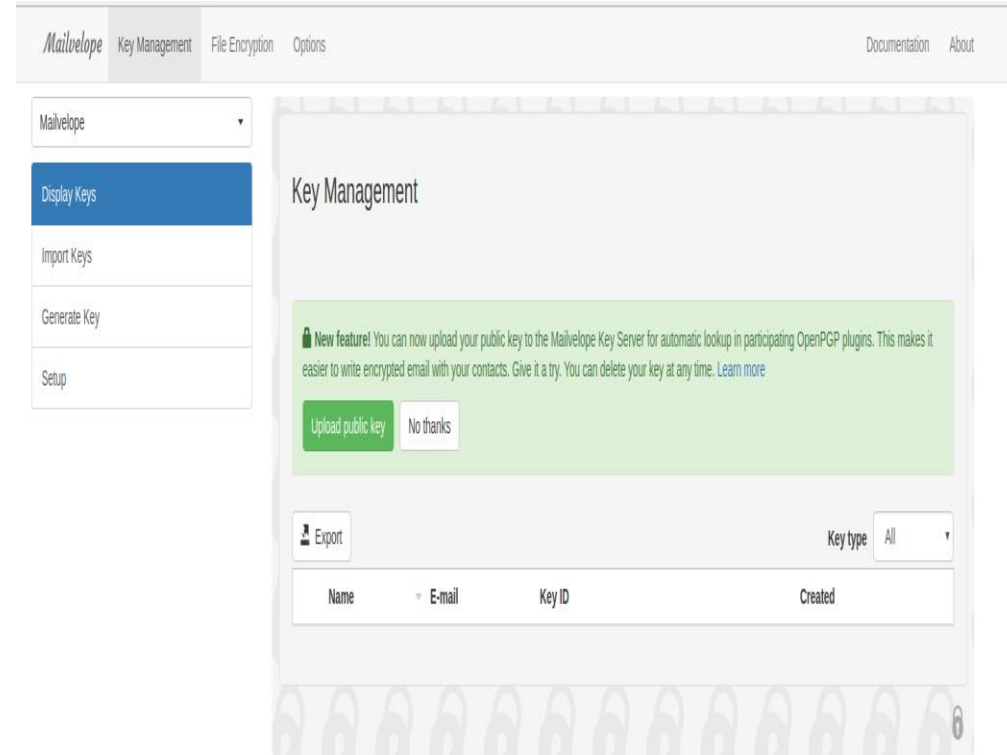


- Maiveloze uses public key cryptography.
- Public Key: encrypts message, available to everyone.
- Private Key: decrypts message, needs to be stored securely

- Must have public key of the recipient in order to send an encrypted mail.
- Exchange public key between the sender and receiver.
- Different ways:
  - Via email
  - Uploading it to the key server

- Key handling
- Generating keys
- Importing keys
- Exporting keys
- Encrypting and decrypting message
- Can be used for file encryption

.Click on Mailvelope's lock icon in the toolbar to open the main menu. Click Options to navigate to Key Management, where all the keys are stored:



- Generate new one
- or
- Import an existing one
- Click Generate Key.
- Fill out the boxes and assign a key password. Make sure

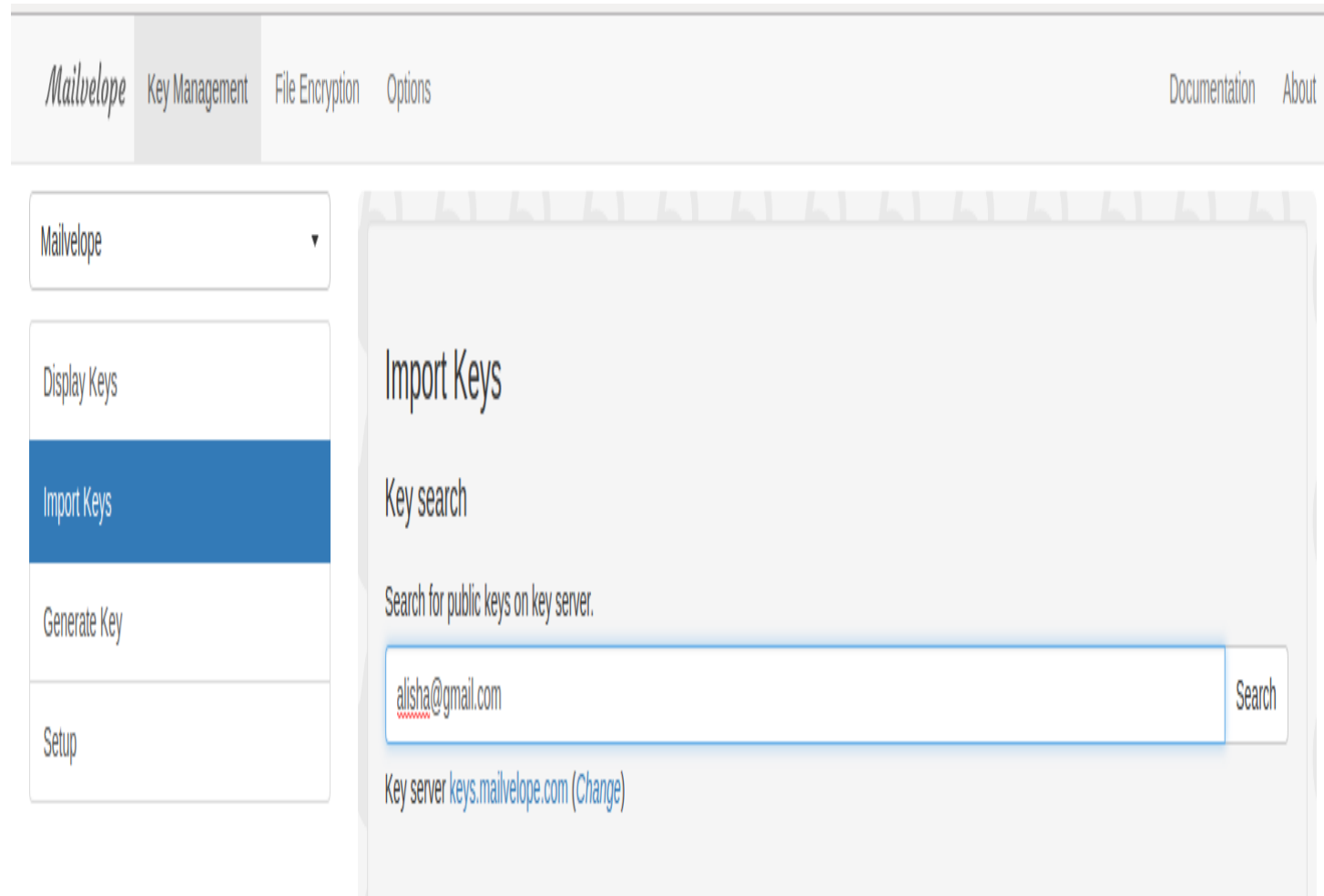
The screenshot displays the Mailvelope web interface. At the top, there is a navigation bar with 'Mailvelope' on the left, 'Key Management' in the center (highlighted), and 'File Encryption' and 'Options' on the right. Further right are links for 'Documentation' and 'About'. Below the navigation bar is a sidebar with a dropdown menu set to 'Mailvelope'. The sidebar contains five buttons: 'Display Keys', 'Import Keys', 'Generate Key' (which is highlighted in blue), and 'Setup'. The main content area is titled 'Generate Key' and contains several input fields: 'Name' (a text box), 'Full name of the key owner' (a text box), 'E-mail' (a text box), and 'Enter Password' (a text box with a red error message 'Password is empty' below it). There is also a 'Re-enter Password' text box. A checkbox labeled 'Upload public key to Mailvelope Key Server (can be deleted at any time). [Learn more](#)' is checked. At the bottom of the form are two buttons: 'Generate' (in blue) and 'Clear'.




- Existing keys can be imported from other applications
- Key Management → Import Key
  - **Import key from file**
- With this feature, you can select a key file on your storage device which will be imported into Mailvelope.
  - **Import key as text**
- Paste any keys into the text box in text format as shown above in the Message Formats section. Clicking on Import will extract all keys from the text and transfer them into the local keyring.

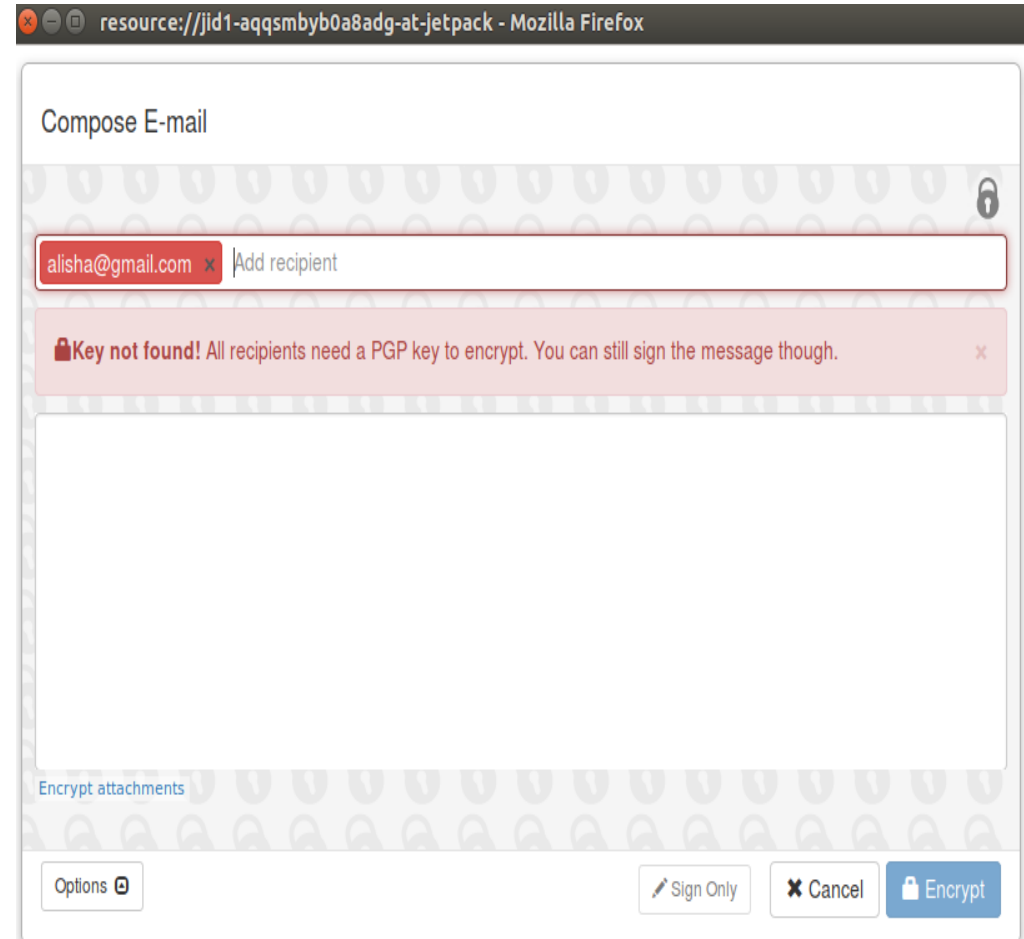
The screenshot displays the Mailvelope web interface. The top navigation bar includes 'Mailvelope', 'Key Management' (which is active), 'File Encryption', and 'Options'. On the right, there are links for 'Documentation' and 'About'. A left sidebar contains a menu with 'Mailvelope', 'Display Keys', 'Import Keys' (highlighted in blue), 'Generate Key', and 'Setup'. The main content area is titled 'Import Keys' and features a 'Key search' section with a search bar containing 'alisha@gmail.com' and a 'Search' button. Below this, it shows 'Key server keys.mailvelope.com (Change)'. The 'Import key from file' section has a button 'Select a key text file to import'. The 'Import key as text' section includes a large text area for pasting keys and a note: 'Please insert one or multiple keys in text format here.' At the bottom of this section are 'Import' and 'Clear' buttons. The footer of the interface shows '© 2012-2017 Mailvelope GmbH' and 'v1.7.2'.

- Search for PGP keys on public key servers by entering email address or name of key owner.
- Depends on which key server the owner has uploaded his/her key to.
- Search results shown in different tab with key ID
- After clicking on the displayed keyID, the key text will be shown and Mailvelope will be able to detect the key.
- With another click on the key symbol the key is imported into Mailvelope.

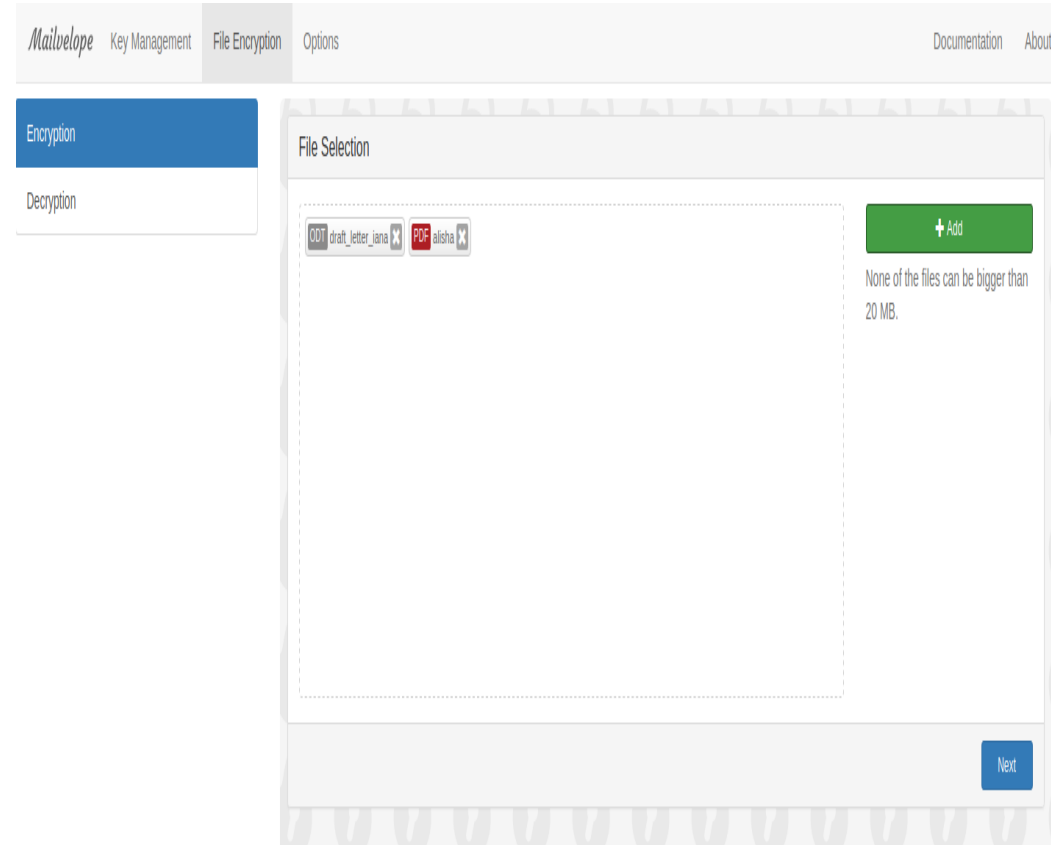


- Used to publish public key or securely keep the key pair.
  - **Exporting all keys**
- For this purpose, click the Export button on the "Display Keys" option page. The keys are saved in asc format. This format can be read by all common PGP implementations.
  - **Exporting individual keys**
- Hover over the relevant key pair and click the information icon (i). Switch to the Export tab and select the key(s). Then click Download.

- Email messages are created and encrypted in an external editor.
- The Compose button  is displayed in all email composing areas of the webmail provider and will launch Mailvelope's external editor.
- Either encrypt and send or only sign.



- Options → File encryption from the top menu bar.
- Click on Next and choose the recipients you want to encrypt the files for.
- Click on Next and choose the recipients you want to encrypt the files for.
- Select the encrypted .asc files to save them to your downloads folder or choose Save all.



- Similar to encryption menu.
- Decryption → use the + Add button to select on the storage device the .asc files to be decrypted files. The decrypted files will be displayed once you entered your private key password.

