## **CRYPTOGRAPHY**

## **INSTALLING THUNDERBIRD**

Thunderbird is an open-source software that is used to manage emails, chats, news feeds and newsgroups.

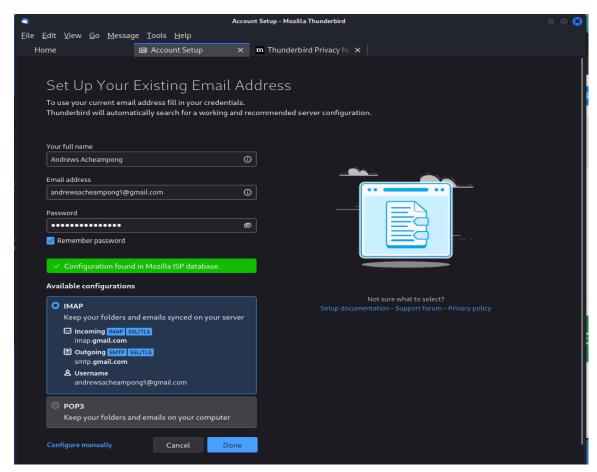
Enter sudo apt-get install thunderbird to install thunderbird

## **ENCRYPTING EMAIL USING THUNDERBIRD**

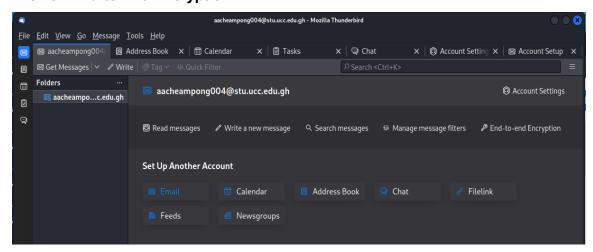
• Start the thunderbird software using the command below;



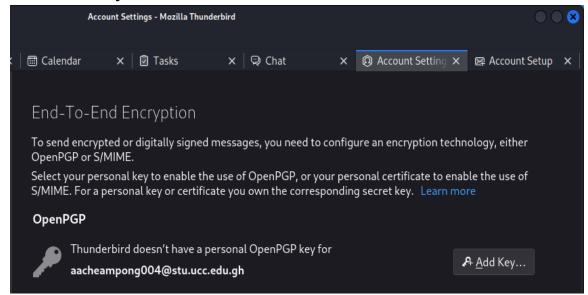
• Sign Up on Thunderbird.



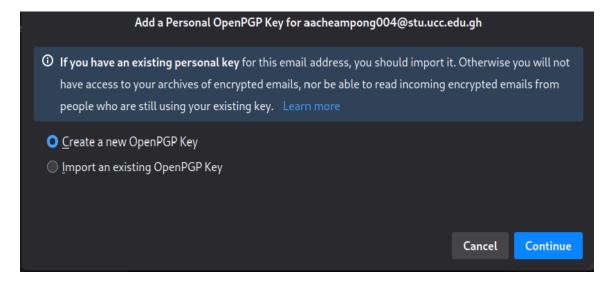
• Click on End-to-End Encryption



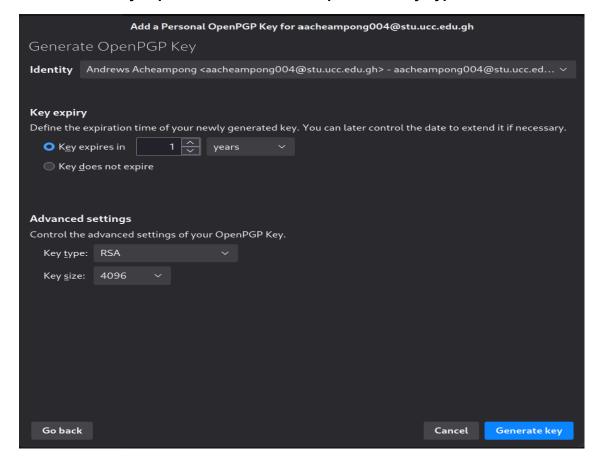
Click on Add Key



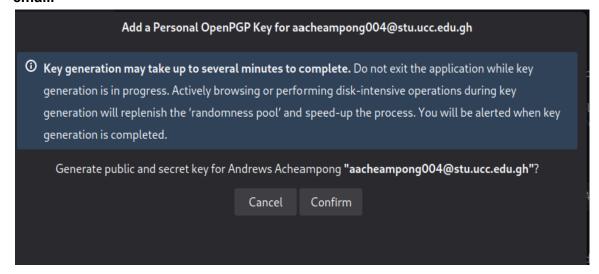
Select Create a new OpenPGP key



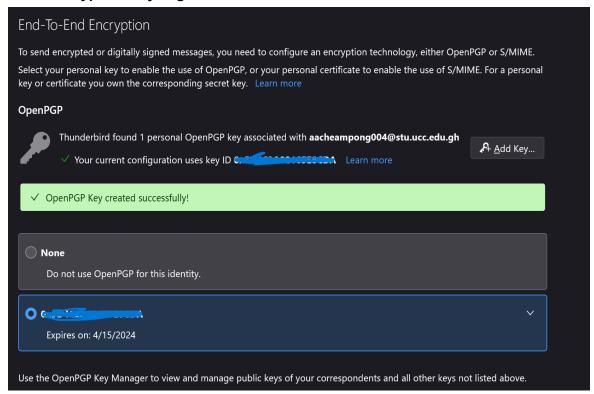
Select time for key expiration and choose the preferred Key Type



 Click on Generate Key and then confirm to create a public and secret key for the email.

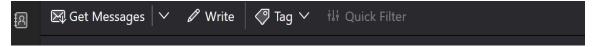


The Encryption Key is generated.

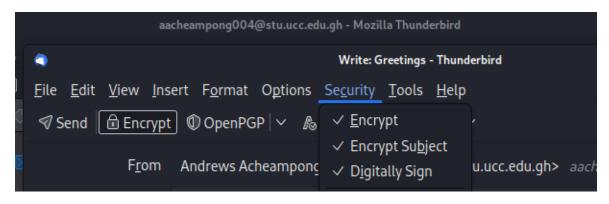


## TO SEND AN EMAIL TO A RECIPIENT

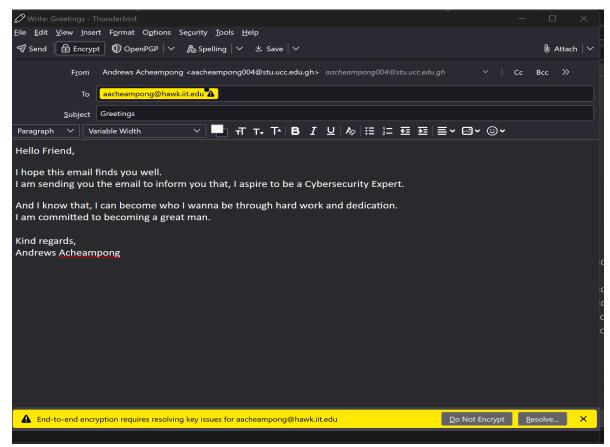
• Click on Write.



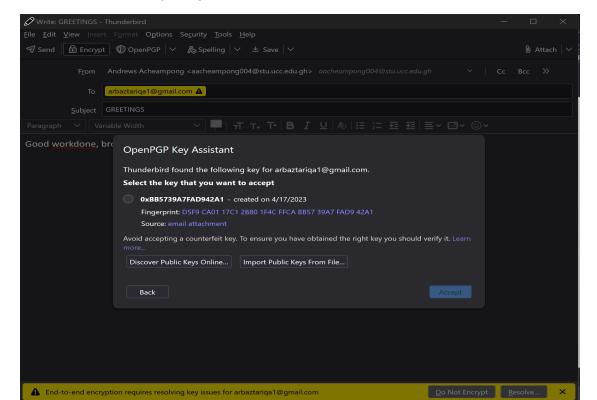
• Encrypt the message.



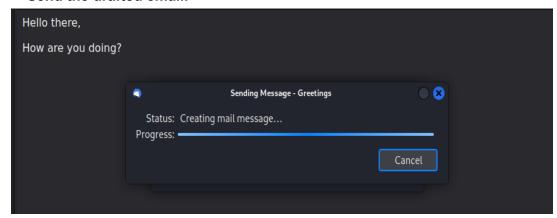
Enter the Recipient's address, Subject and Body of the email.



 Click on Resolve at the bottom of the Text area above to add the public key of the recipient, i.e. encrypting the email from unauthorized access.



• Send the drafted email.



• Proof of Recipient email receipt and encrypted message.

