

```
Command Prompt
Microsoft Windows [Version 10.0.17134.191]
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C:\Users\preuss>ver

Microsoft Windows [Version 10.0.17134.191]
Alte
HASHC:\Users\preuss>
```

This is the version of Windows the presentation is using.

Inbox

File Edit View Go Message Events and Tasks Tools Help

Get Messages Write Chat

tim.preuss03@gmail.com

Inbox (5)

- [Gmail]
- Drafts
- Sent Mail
- All Mail
- Spam
- Trash
- Important
- Starred

Local Folders

- Trash
- Outbox

Address Book Ctrl+Shift+B

Saved Files

Add-ons

Activity Manager

Chat status

Join Chat...

Message Filters

Run Filters on Folder

Run Filters on Message

Run Junk Mail Control

Delete Mail Marked as

Import...

Developer Tools >

Clear Recent History... Ctrl+Shift+Del

Account Settings

Options

Search <Ctrl+K>

Search <Ctrl+Shift+K>

Date
1:45 PM
1:45 PM
1:45 PM
1:45 PM
1:48 PM

Thunderbird now contains calendaring functionality by integrating the Lightning extension. Learn more Disable Keep

Unread: 5 Total: 5 Today Pane

Under the Tools menu, the presentation selects "Add-ons".

Inbox Add-ons Manager

File Edit View Go Message Events and Tasks Tools Help

← →

Get Add-ons

Extensions

Appearance

Plugins

Search all add-ons

Options Disable Remove

your E... More

Thunderbird now contains calendaring functionality by integrating the Lightning extension. Learn more Disable Keep

Today Pane

The presentation selects "Extensions" in the Add-ons Manager.

Inbox Add-ons Manager

File Edit View Go Message Events and Tasks Tools Help

enigmail

Search: My A

Best match

Enigmail June 13, 2018 Install

Mail Merge June 13, 2018

Mail Redirect

EditEmailSubject (Edit email)

Expression Search / GMailUI

Mailbox Alert February 14, 2018

Mail Summaries May 19, 2018

th_email_grabber January 9, 2018

Today Pane

The presentation enters "enigmail" in the search box.

The presentation selects "Install" on the Enigmail line.

Inbox Add-ons Manager

File Edit View Go Message Events and Tasks Enigmail Tools Help

enigmail

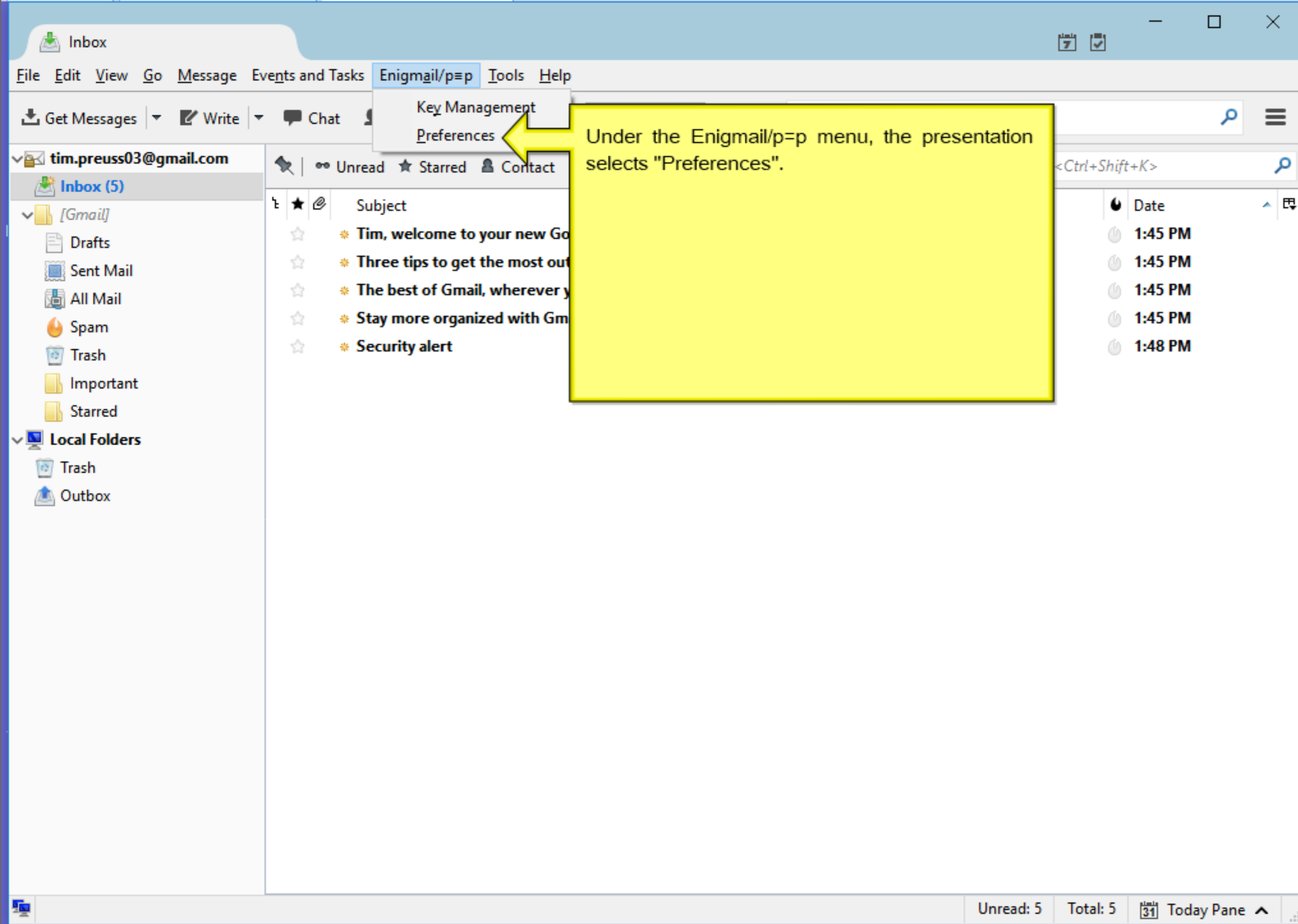
Name Last Updated Best match

Search: My Add-ons Available Add-ons

- Enigmail** July 31, 2018
OpenPGP message encryption and authenticati... [More](#) Options Disable Remove
- Mail Merge** June 13, 2018
Mass Mail and Personal Mail [More](#) Install
- Mail Redirect**
Allow to redirect (a.k... Install
- EditEmailSubject (E**
This module allows yo... Install
- Expression Search /**
Powerful message sea... Install
- Mailbox Alert**
Mailbox Alert allows you to specify, for each seperate mail folder, a m... [More](#) Install
- Mail Summaries** May 19, 2018
Adds a summary of mail accounts and folders to replace the account c... [More](#) Install
- th_email_grabber** January 9, 2018

Today Pane

Enigmail is ready.



Under the Enigmail/p=p menu, the presentation selects "Preferences".

Enigmail Junior Mode

- Automatically decide if Junior Mode should be used
- Force using S/MIME and Enigmail
- Force using p≡p (Pretty Easy Privacy)

OpenPGP Compatibility

- Lookup keys on server automatically

View Log

Close

Under the Compatibility tab, the presentation selects "Force using S/MIME and Enigmail".

The presentation selects "Close".

Calendar icons

Search bar: Filter these messages <Ctrl+Shift+K>

	Date
Community Team	1:45 PM
	1:45 PM
	1:45 PM
	1:45 PM
	1:48 PM

Unread: 5 Total: 5 Today Pane

The screenshot shows an email client window with the 'Enigmail' menu open. The menu items are: Setup Wizard, Decrypt to folder, Key Management, Edit Per-Recipient Rules, Preferences, Help, and About Enigmail. A yellow callout box with a black border contains the text: "Under the Enigmail tab, the presentation selects 'Preferences'." A yellow arrow points from the text to the 'Preferences' menu item. The background shows the email interface with a list of messages in the inbox, including a 'Security alert' and several messages from 'tim.preuss03@gmail.com' with a date of 1:45 PM. The status bar at the bottom indicates 'Unread: 5' and 'Total: 5'.

Basic Sending Transfer Settings

Basic Settings

Files and Directories

GnuPG was found in C:\Program Files (x86)\GnuPG\bin\gpg.exe
 Override with Browse...

Passphrase Timeout

Remember passphrase for minutes of inactivity (before needing to re-enter it)
 Never ask for any passphrase

Display Expert Settings and Menus

The presentation selects "Display Expert Settings and Menus".

OK Cancel

Search <Ctrl+K>

Filter these messages <Ctrl+Shift+K>

Correspondents	Date
Google Community Team	1:45 PM
Gmail Team	1:45 PM
Gmail Team	1:45 PM
Gmail Team	1:45 PM
Google	1:48 PM

Unread: 5 Total: 5 Today Pane ^

Basic Settings

Files and Directories
GnuPG was found in C:\Program Files (x86)\GnuPG\bin\gpg.exe
 Override with Browse...

Passphrase Timeout
Remember passphrase for minutes of inactivity (before needing to re-enter it)
 Never ask for any passphrase

Hide Expert Settings and Menus

Reset

OK Cancel

These are the settings chosen by the presentation for the Basic tab.

General Preferences for Sending

- Use default encryption settings
- Manually configure encryption settings

Help

Encrypt/sign replies to encrypted/signed messages

Automatically send encrypted

- Never
- If possible

To send encrypted, accept

- Only trusted keys
- All usable keys

Confirm before sending

- Never
- Always
- If encrypted
- If unencrypted
- If rules changed the default encryption setting

See also account specific Enigmail settings (see Account Settings -> OpenPGP Security)

OK

Cancel

These are the settings the presentation set under the Sending tab.

Search <Ctrl+K>

Filter these messages <Ctrl+Shift+K>

How should we choose the keys?

- By Per-Recipient Rules
- By Email Addresses according to the key manager
- Manually if Keys are Missing
- Always (also) Manually

Edit Rules ...

OK Cancel

Search <Ctrl+K>

Filter these messages <Ctrl+Shift+K>

Correspondents	Date
Google Community Team	1:45 PM
Gmail Team	1:45 PM
Gmail Team	1:45 PM
Gmail Team	1:45 PM
Google	1:48 PM

Unread: 5 Total: 5 Today Pane

These are the settings the presentation set for the Key Selection tab.

More Options

Encrypt subject by default (PGP/MIME encrypted message only)

Subject text to protect encrypted messages

Re-wrap signed HTML text before sending

Add Enigmail comment in OpenPGP signature

'--' is a signature separator

Use '<' and '>' to specify email addresses

Only download attachments when opened (IMAP only)

Additional parameters for GnuPG

Reset Warnings

OK

Cancel

Search <Ctrl+K>

Filter these messages <Ctrl+Shift+K>

Correspondents	Date
Google Community Team	1:45 PM
Gmail Team	1:45 PM
Gmail Team	1:45 PM
Gmail Team	1:45 PM
Gmail Team	1:48 PM

These are the presentation's settings for the Advance tab.

Basic Sending Key Selection Advanced **Keyserver** Transfer Settings

Specify your keyserver(s):

sweden.minnesota.edu, hkps://hkps.pool.sks-keyservers.net, hkps://keys.mailvelope.com, hkps://

Example: pool.sks-keyservers.net, pgp.mit.edu

Always use first keyserver

Automatically download keys for signature verification from the following keyserver:

sweden.minnesota.edu

OK Cancel

Search <Ctrl+K>

Filter these messages <Ctrl+Shift+K>

Correspondents	Date
Google Community Team	1:45 PM
Gmail Team	1:45 PM
Gmail Team	1:45 PM
Gmail Team	1:45 PM
Gmail Team	1:48 PM

These are the settings for the Keyserver tab. The "sweden.minnesota.edu" address is not always required.

Enigmail supports two ways to transfer your keys and your settings to another device.

The 'Autocrypt Key Transfer' requires that the email client on the other device is Autocrypt-compliant. While this is the easier solution, only a few apps currently support this standard.

The other way is to 'Backup & restore' your settings. This will create a ZIP file with all required information and keys, that you can copy to your new device. Enigmail can directly import these settings; for other email clients, the ZIP file can be unpacked and handled manually.

Transfer your key to another Autocrypt-enabled device.

Start Autocrypt Setup

Export (backup) and Restore your Enigmail settings including your OpenPGP key

Export Settings and Keys

Restore Settings and Keys

OK Cancel

The presentation selects "OK" to update the settings.

Search <Ctrl+K>

Filter these messages <Ctrl+Shift+K>

Correspondents	Date
Google Community Team	1:45 PM
Gmail Team	1:45 PM
Gmail Team	1:45 PM
Gmail Team	1:45 PM
Gmail Team	1:48 PM

Unread: 5 Total: 5 Today Pane ^

Inbox

File Edit View Go Message Events and Tasks Enigmail Tools Help

Get Messages Write Chat

tim.preuss03@gmail.com

Inbox (5)

- [Gmail]
- Drafts
- Sent Mail
- All Mail
- Spam
- Trash
- Important
- Starred
- Local Folders
 - Trash
 - Outbox

Unread

Search <Ctrl+K>

Filter these messages <Ctrl+Shift+K>

Correspondents	Date
Google Community Team	1:45 PM
Gmail Team	1:45 PM
	1:45 PM
	1:45 PM
	1:48 PM

Decrypt/Verify

Automatically Decrypt/Verify Messages

Clear Saved Passphrase

Reload Message

Sender's Key

Decrypt to folder

Key Management

Manage SmartCard ...

Edit Per-Recipient Rules

Preferences

Help

Debugging Options

Setup Wizard

About Enigmail

Unread: 5 Total: 5 Today Pane

The presentation selects "Key Management" under the Enigmail tab.

Search for:

Display All Keys by Default

Name	Key ID
> tpreuss03 <tim.preuss03@gmail.com>	F980B6B698ECCD11




This key was automatically generated with some undesirable attributes. The presentation right clicks on the key and selects "delete".

Search for:

Display All Keys by Default

Name	Key ID
> tpreuss03 <tim.preuss03@gmail.com>	F980B6B698ECCD11

Enigmail Confirm

 **WARNING:** You are about to delete a secret key!
If you delete your secret key, you will no longer be able to decrypt any messages encrypted for that key, nor will you be able to revoke it.

Do you really want to delete BOTH, the secret key and the public key
'tpreuss03 <tim.preuss03@gmail.com>'?

The presentation selects "Delete"

Search for:

New Key Pair



Under the Generate tab, the presentation selects "New Key Pair".

Name

Account / User ID tpreuss <tim.preuss03@gmail.com> - tim.preuss03@gmail.com

Use generated key for the selected identity

No passphrase

Passphrase Passphrase (repeat)

Key expiry **Advanced...**

Key expires in months Key does not expire

Generate key Cancel

Key Generation
NOTE: Key generation may take up to several minutes to complete. Do not
key generation is in progress. Actively browsing or performing disk-intensive o
generation will replenish the 'randomness pool' and speed-up the process. You
generation is completed.

The presentation modifies the "Key expires" account to requirements.

Account / User ID tpreuss <tim.preuss03@gmail.com> - tim.preuss03@gmail.com

Use generated key for the selected identity

No passphrase

Passphrase [dots] Passphrase (repeat) [dots]

Key expiry Advanced...

Key type RSA

Key size 4096

Generate key Cancel

Key Generation

NOTE: Key generation may take up to several minutes to complete. Key generation is in progress. Actively browsing or performing disk-intensive operations during key generation will replenish the 'randomness pool' and speed-up the process. You will be alerted when key generation is completed.

Under the Advance tab, the presentation modifies the "Key type" and "Key size". The presentation provides a passphrase. Losing this passphrase means creating another key.

The presentation selects "Generate key".

Account / User ID tpreuss <tim.preuss03@gmail.com> - tim.preuss03@gmail.com


Use generated key for the selected identity

No passphrase

Passphrase [dots] Passphrase (repeat) [dots]

Key expiry Advanced...

Key type

Key size  Generate public and secret key for 'tpreuss <tim.preuss03@gmail.com>'?

Generate Key

The presentation selects "Generate key".

Generate key Cancel

Key Generation

NOTE: Key generation may take up to several minutes to complete. Do not exit the a key generation is in progress. Actively browsing or performing disk-intensive operations generation will replenish the 'randomness pool' and speed-up the process. You will be a generation is completed.

Account / User ID tpreuss <tim.preuss03@gmail.com> - tim.preuss03@gmail.com

Use generated key for the selected identity

Command Prompt

```
C:\Users\preuss>dir c:\ /s
```

This command will create disk activity during the key generation phase.

NO application while key generation is alerted when key

Account / User ID tpreuss <tim.preuss03@gmail.com> - tim.preuss03@gmail.com

Use generated key for the selected identity

No passphrase

Passphrase [dots] Passphrase (repeat) [dots]

Enigmail Confirm

Key generation completed! Identity <tim.preuss03@gmail.com> will be used for signing.

We highly recommend to create a revocation certificate for your key. This certificate can be used to invalidate your key, e.g. in case your secret key gets lost or compromised. Do you want to create such a revocation certificate now?

Generate Certificate Cancel

The presentation selects "Generate Certificate".

Key Generation

NOT key g application while s during key alerted when key



Create & Save Revocation Certificate

This PC > Documents >

Search Documents

Organize New folder

Name	Date modified	Type
cptr2245	1/31/2018 4:33 PM	File folder
csci1110	4/17/2018 11:04 AM	File folder
Custom Office Templates	3/22/2018 12:44 PM	File folder
libreoffice-mailmerge	2/1/2018 5:18 PM	File folder
My Shapes	3/8/2018 11:37 AM	File folder
old_downloads	7/31/2018 2:13 PM	File folder
regback	4/17/2018 11:15 AM	File folder
something	4/5/2018 11:32 AM	File folder
thing02	4/5/2018 11:43 AM	File folder
visio	4/5/2018 11:03 AM	File folder

File name: tim.preuss03@gmail.com (0x13AE05A54C06E49A912D607649728EB540F67DDD) rev.asc

Save as type: ASCII Armored Files (*.asc)

Save Cancel

The presentation selects "Save"

This is an important document you must keep sole control.

Account / User ID: tpreuss <tim.preuss03@gmail.com> - tim.preuss03@gmail.com

Use generated key for the selected identity

No passphrase

Passphrase: [redacted] Passphrase (repeat): [redacted]

Key expiry: Advanced...

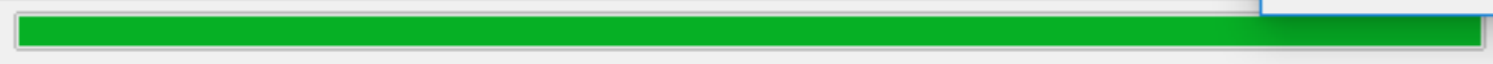
Key type: RSA

Key size: 4096

Generate key Cancel

Key Generation

NOTE: Key generation may take up to several minutes to complete. Do not exit the app while key generation is in progress. Actively browsing or performing disk-intensive operations during key generation will replenish the 'randomness pool' and speed-up the process. You will be alerted when key generation is completed.



pinentry-qt

Please enter the passphrase to unlock the OpenPGP secret key:
"tpreuss <tim.preuss03@gmail.com>"
4096-bit RSA key, ID 49728EB540F67DDD,
created 2018-07-31.

Passphrase: [input field]

OK Cancel

The presentation provides the key passphrase and selects "OK".

Unread: 5 Total: 5 Today Pane

Account / User ID tpreuss <tim.preuss03@gmail.com> - tim.preuss03@gmail.com


Use generated key for the selected identity

No passphrase

Passphrase [dots] Passphrase (repeat) [dots]

Key expiry Advanced...

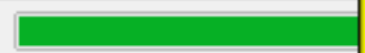
Enigmail Alert

 The revocation certificate has been successfully created. You can use it to invalidate your public key, e.g. in case you would lose your secret key.

Close

The presentation reads the screen and selects "Close".

Key Generation
NOTE: Key generation m
key generation is in progr
generation will replenish
generation is completed.



Search for:

Display All Keys by Default

Name	Key ID
> tpreuss <tim.preuss03@gmail.com>	49728EB540567000

The new key is ready for use.

- Copy Public Keys to Clipboard
- Export Keys to File
- Send Public Keys by Email
- Upload Public Keys to Keyserver
- Refresh Public Keys From Keyserver
- Upload to your provider's Web Key Directory
- Sign Key
- Set Owner Trust
- Add to Per-Recipient Rule
- Disable Key
- Revoke Key
- Delete Key
- Manage User IDs
- Change Expiration Date
- Change Passphrase
- Generate & Save Revocation Certificate
- Add Photo
- Key Properties