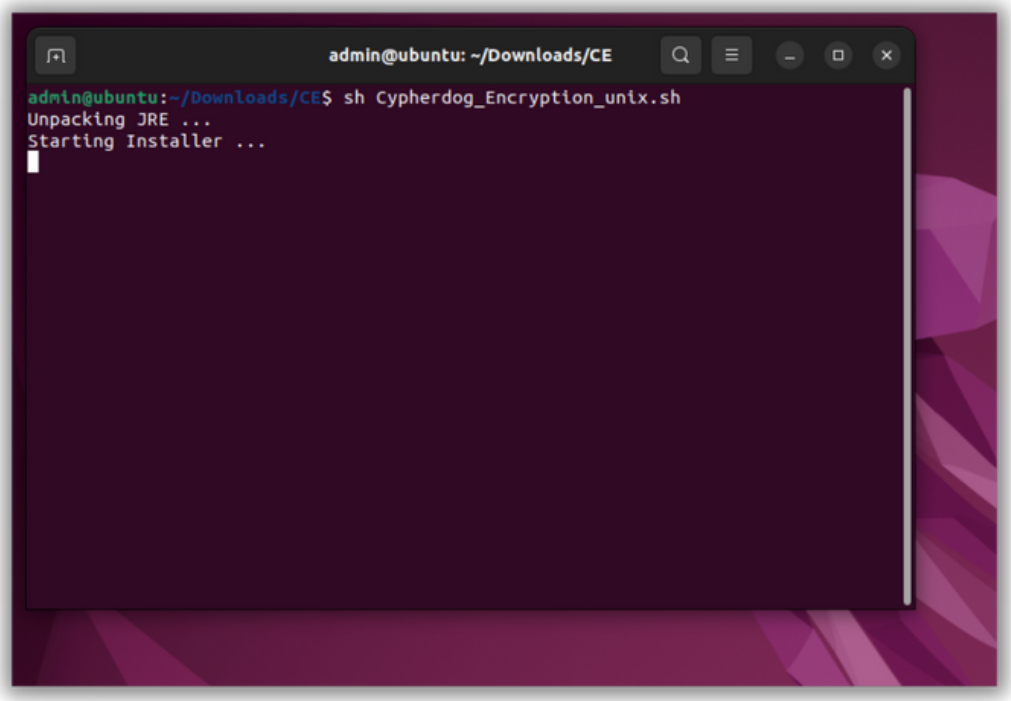
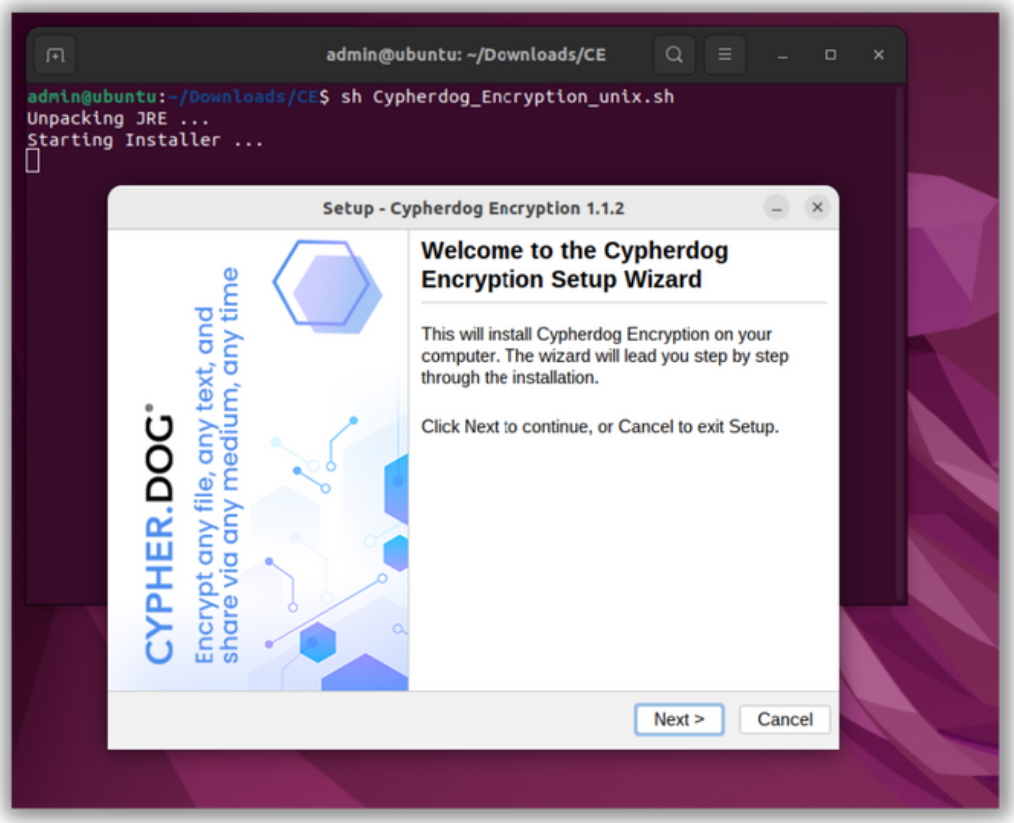
Cypherdog Encryption Single User Linux/Unix (CE SU v1.2.0)

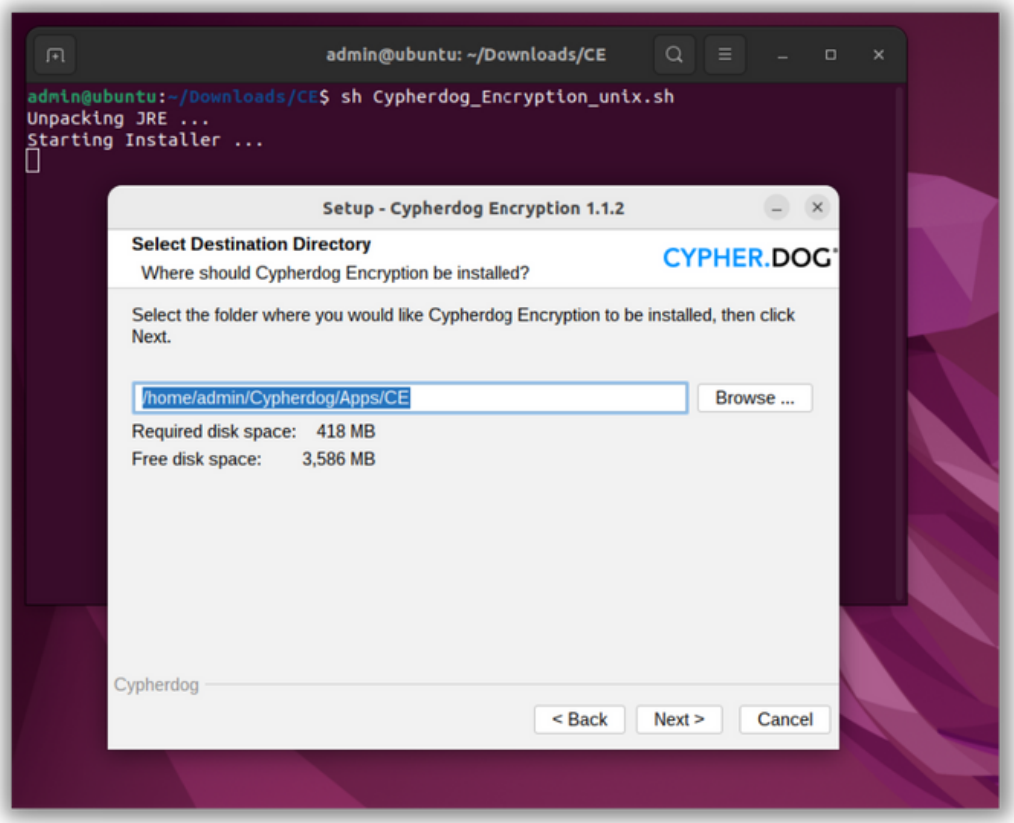
INSTALLATION GUIDE AND REGISTRATION

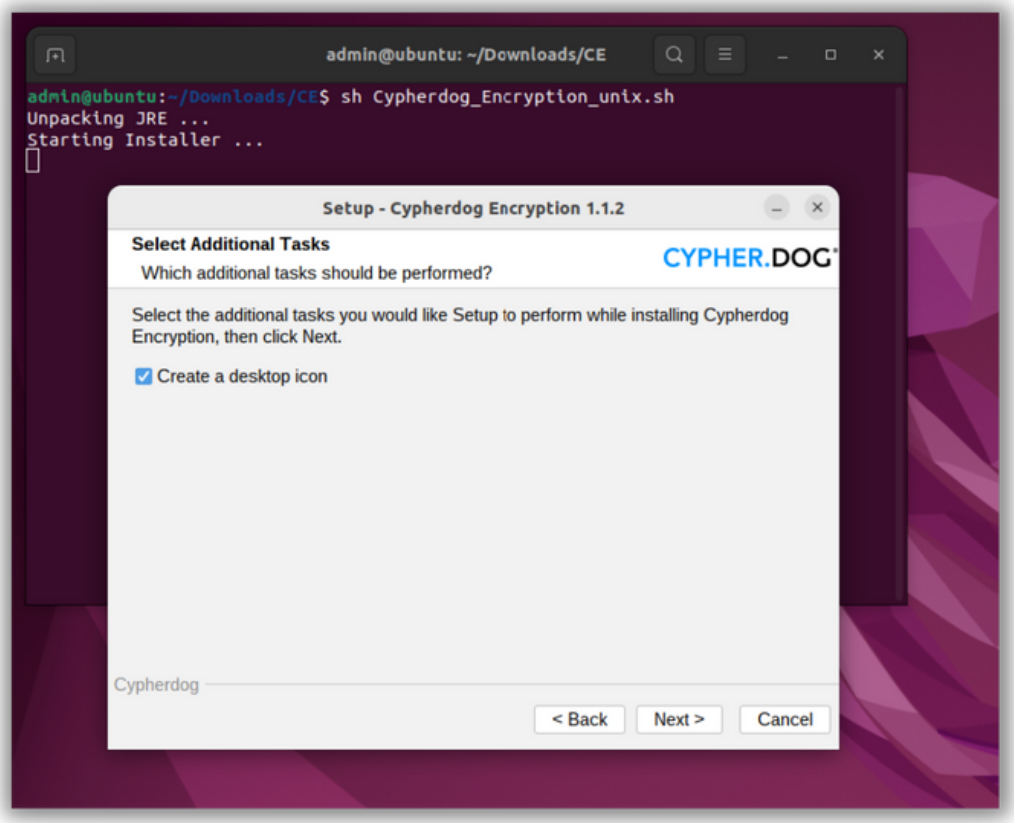
1. Go to https://www.cypher.dog/cdog-download-the-app-encryption/, choose Linux OS and click the button to download the CE SU application.

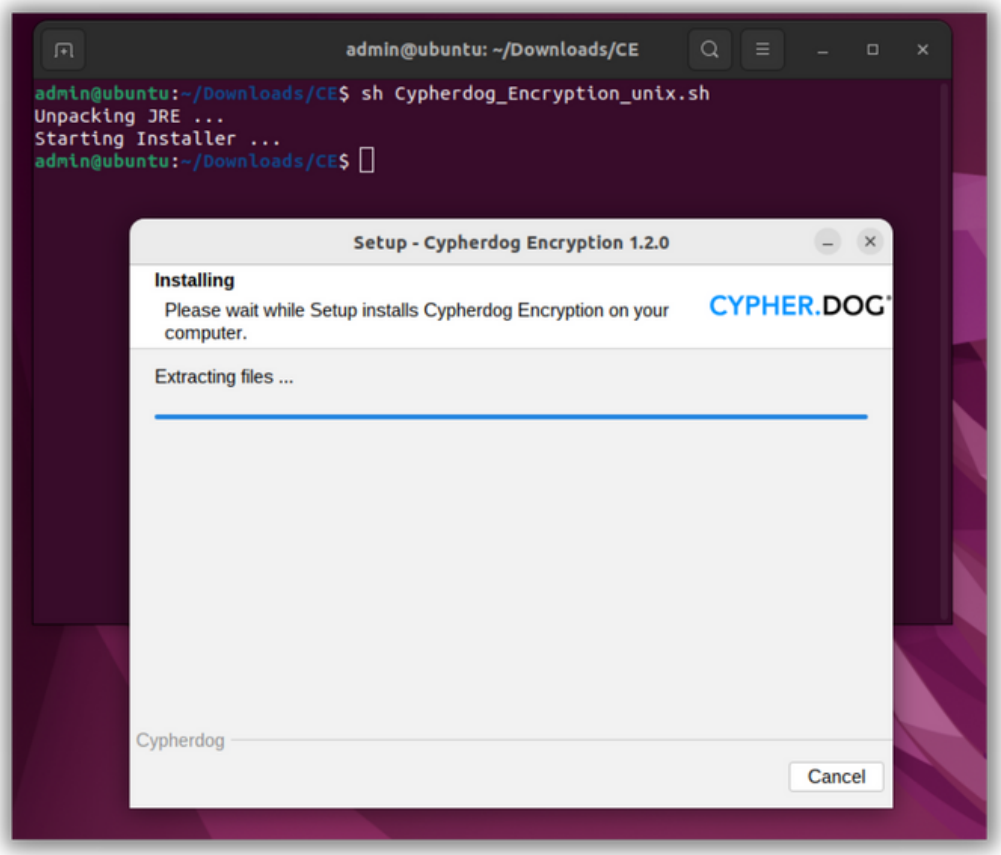
2. After downloading the installation file, run it - you must have administrator privileges - the installation process will start, follow the directions. You can right-click the downloaded file and select “Unpack here” from the menu. Run the unpacked script and click “Run” button in the window or run the unpacked script in the terminal.

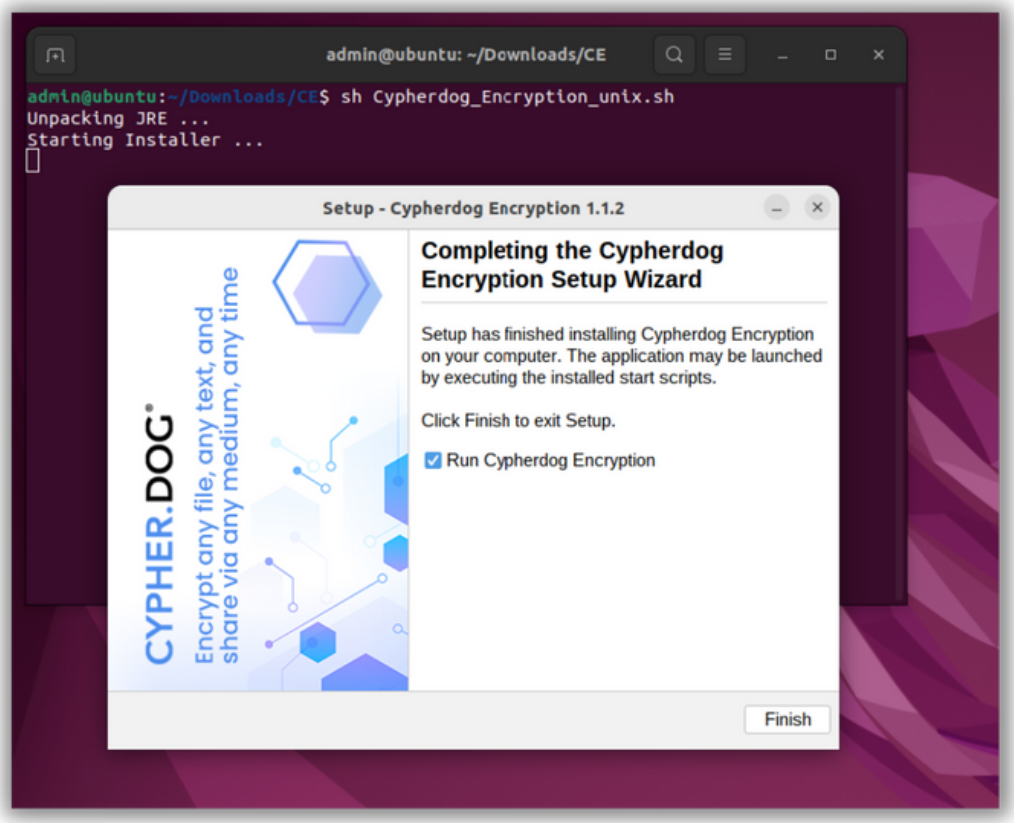



admin@ubuntu: ~/Downloads/CE
admin@ubuntu:~/Downloads/CE$ sh Cypherdog_Encryption_unix.sh
Unpacking JRE ...
Starting Installer ...
Setup - Cypherdog Encryption 1.1.2
CYPHER.DOG
Encrypt any file, any text, and share via any medium, any time
Welcome to the Cypherdog Encryption Setup Wizard
This will install Cypherdog Encryption on your computer. The wizard will lead you step by step through the installation.
Click Next to continue, or Cancel to exit Setup.
Next >
Cancel

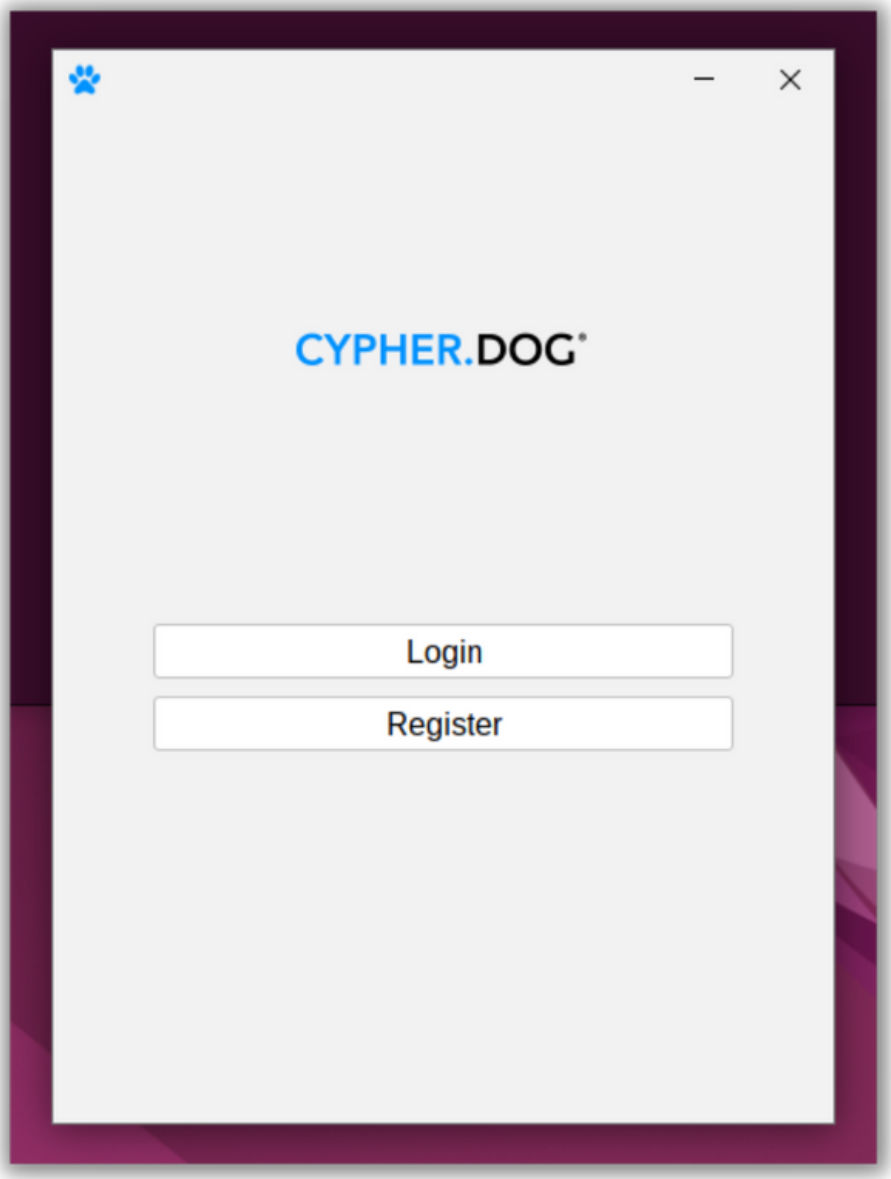

admin@ubuntu: ~/Downloads/CE
admin@ubuntu:~/Downloads/CE$ sh Cypherdog_Encryption_unix.sh
Unpacking JRE ...
Starting Installer ...
Setup - Cypherdog Encryption 1.1.2
Select Destination Directory
Where should Cypherdog Encryption be installed?
CYPHER.DOG
Select the folder where you would like Cypherdog Encryption to be installed, then click Next.
/home/admin/Cypherdog/Apps/CE
Browse ...
Required disk space: 418 MB
Free disk space: 3,586 MB
Cypherdog
< Back
Next >
Cancel


admin@ubuntu: ~/Downloads/CE
admin@ubuntu:~/Downloads/CE$ sh Cypherdog_Encryption_unix.sh
Unpacking JRE ...
Starting Installer ...
Setup - Cypherdog Encryption 1.1.2
Select Additional Tasks
Which additional tasks should be performed?
CYPHER.DOG
Select the additional tasks you would like Setup to perform while installing Cypherdog Encryption, then click Next.
Create a desktop icon
Cypherdog
< Back
Next >
Cancel


admin@ubuntu: ~/Downloads/CE
admin@ubuntu:~/Downloads/CE$ sh Cypherdog_Encryption_unix.sh
Unpacking JRE ...
Starting Installer ...
admin@ubuntu:~/Downloads/CE$
Setup - Cypherdog Encryption 1.2.0
Installing
Please wait while Setup installs Cypherdog Encryption on your computer.
CYPHER.DOG
Extracting files ...
Cypherdog
Cancel

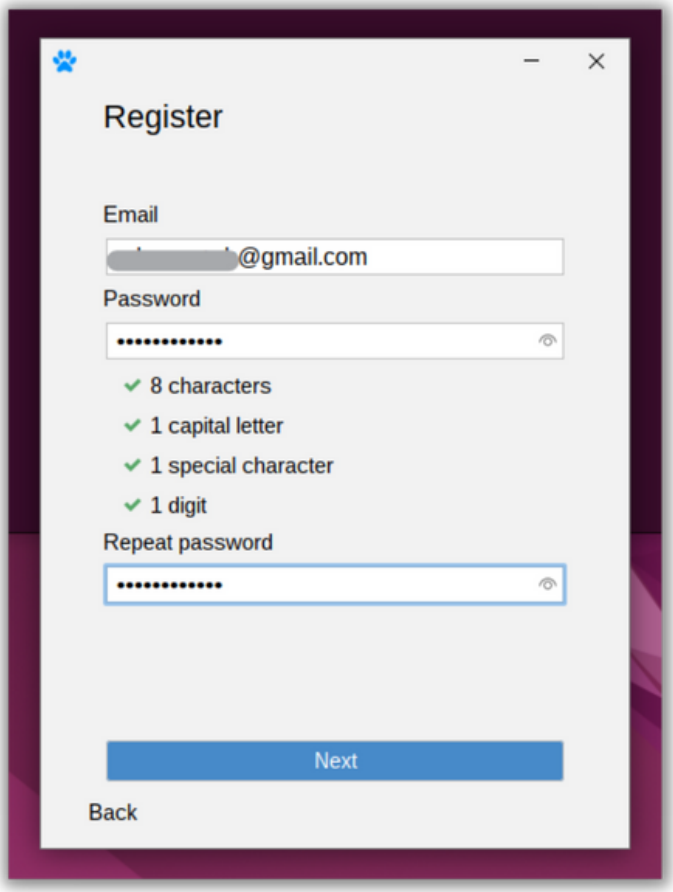

admin@ubuntu: ~/Downloads/CE
admin@ubuntu:~/Downloads/CE$ sh Cypherdog_Encryption_unix.sh
Unpacking JRE ...
Starting Installer ...
Setup - Cypherdog Encryption 1.1.2
CYPHER.DOG
Encrypt any file, any text, and share via any medium, any time
Completing the Cypherdog Encryption Setup Wizard
Setup has finished installing Cypherdog Encryption on your computer. The application may be launched by executing the installed start scripts.
Click Finish to exit Setup.
Run Cypherdog Encryption
Finish

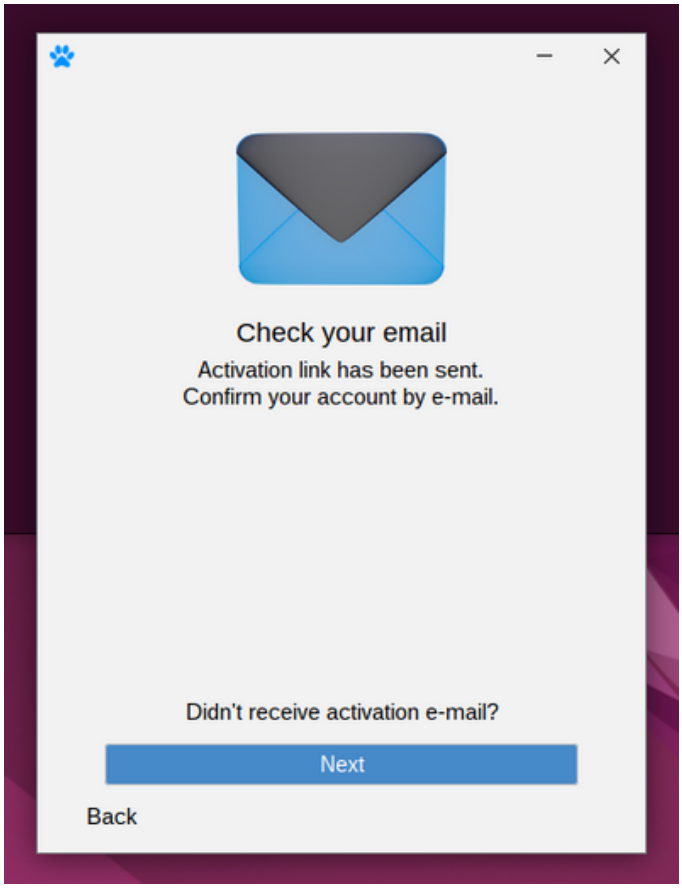
CYPHERDOG ENCRYPTION
SINGLE USER
VERSION 1.1.2
CYPHER.DOG


CYPHER.DOG
Login
Register

REGISTRATION

1. After successfully completing the installation process, a registration/login window should appear. Click “Register” button, enter your email address, and set your password (length minimum of 8 characters, including small and big letters, one special character, and one digit). After confirmation, you need to check your mailbox. To activate your account, open an email from Cypherdog and click “Activate” link. A screen should appear that confirms the activation of your account. Then, you can login to the application using your registration data.





CYPHER.DOG®

Account activation

Thank you for registering in Cypherdog.

Activate the account by confirming your email address

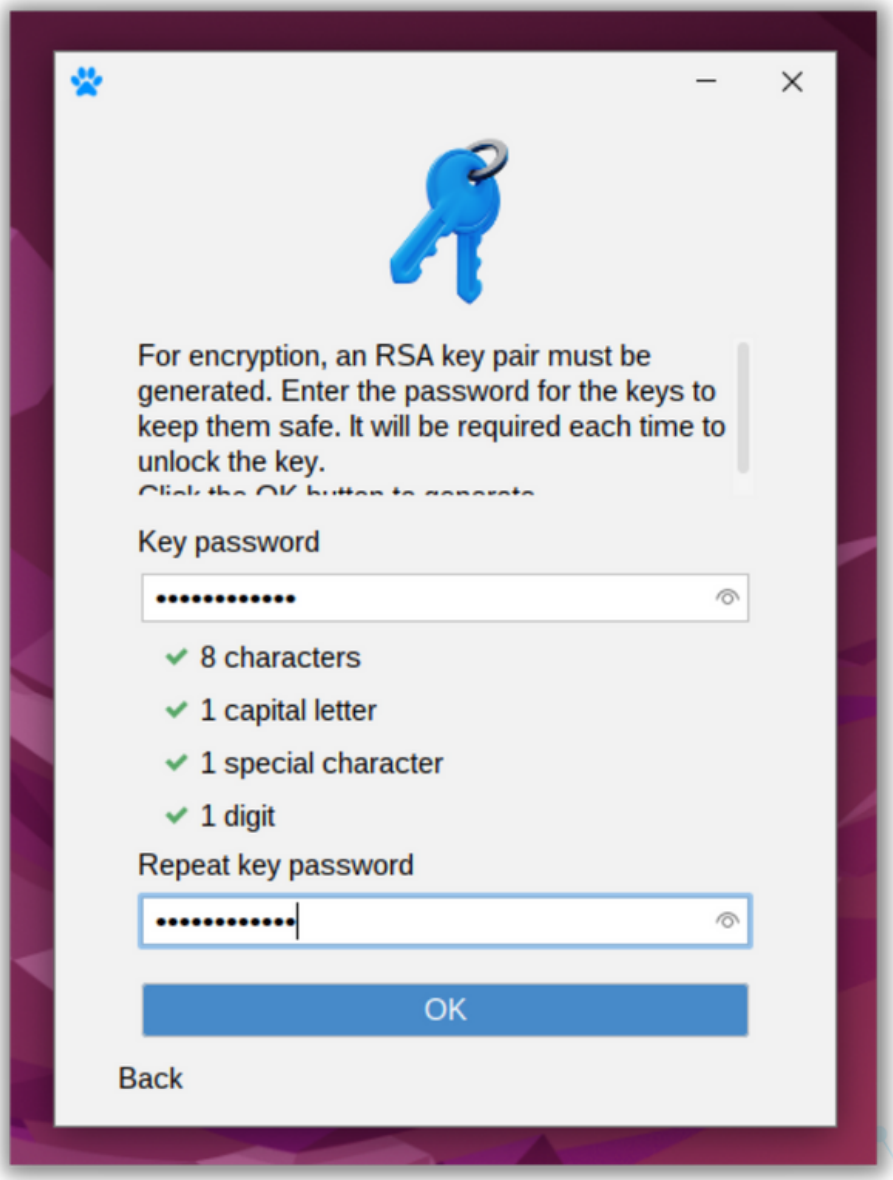
Click here to confirm your email address
or copy and paste the link into your web browser:

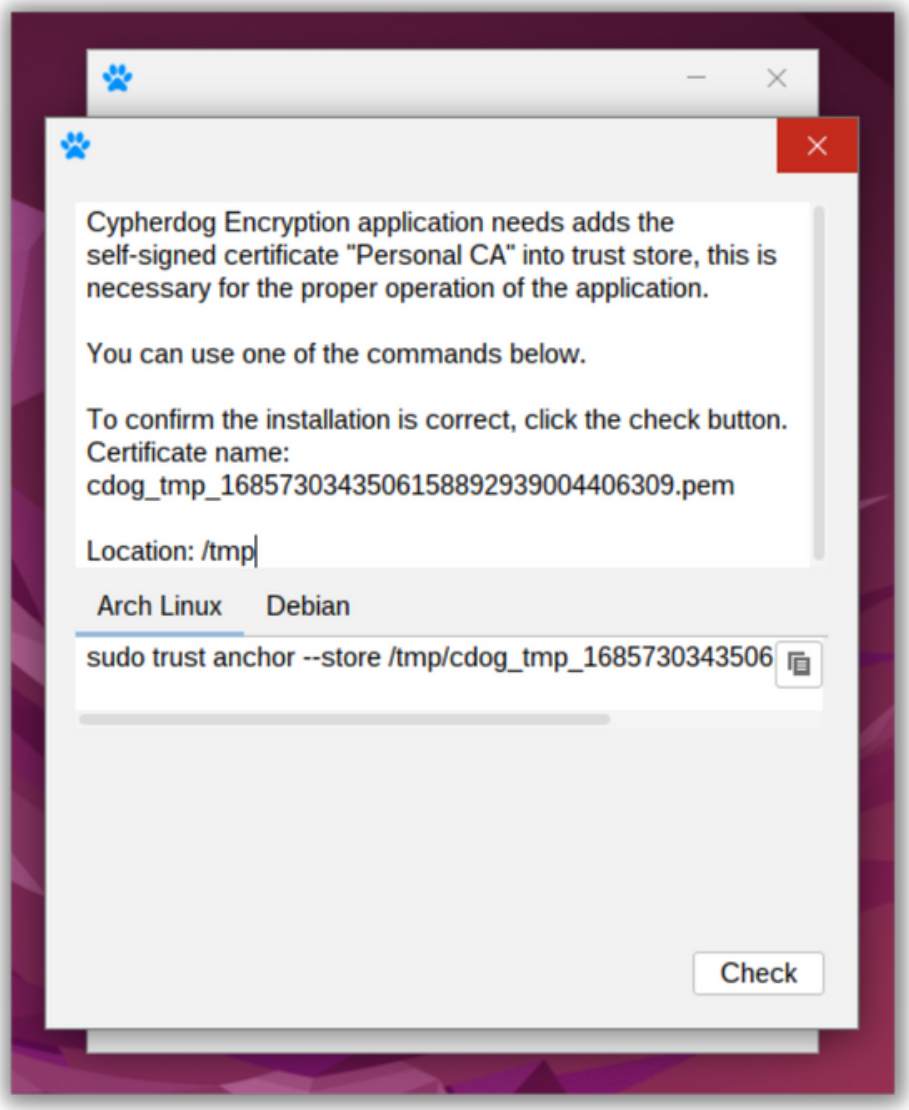
https://api.prod.cypher.dog/user/activate/
eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzUxMiJ9.
eyJzdWIiOiJjZWV0ZXN0eSt1YkBnbWFpbC5jb20iLCJleHAiOjE2Nzg4ODczNDJ9._Jg0B2YaD-TzhVLvKvDEl4tJJU_

Your account has been activated!

Cypherdog Security Inc. All Rights Reserved.

2. Click “Next” button and you will be asked to set a password to keep RSA keys safe. Set and confirm your secret password to unlock the key when required (length minimum of 8 characters, including small and big letters, one special character, and one digit). CE needs to add the self-signed certificate “Personal CA” into trust store. Choose your Linux distribution and use in a terminal command as below:
sudo apt-get install -y ca-certificates
sudo cp /root/.cypherdog/.keystore/yZCZ3FvR69Z-VZPGl1DctaUj8paZgWw3choijDekD4I.p12.crt /usr/local/share/ca-certificates
sudo update-ca-certificates

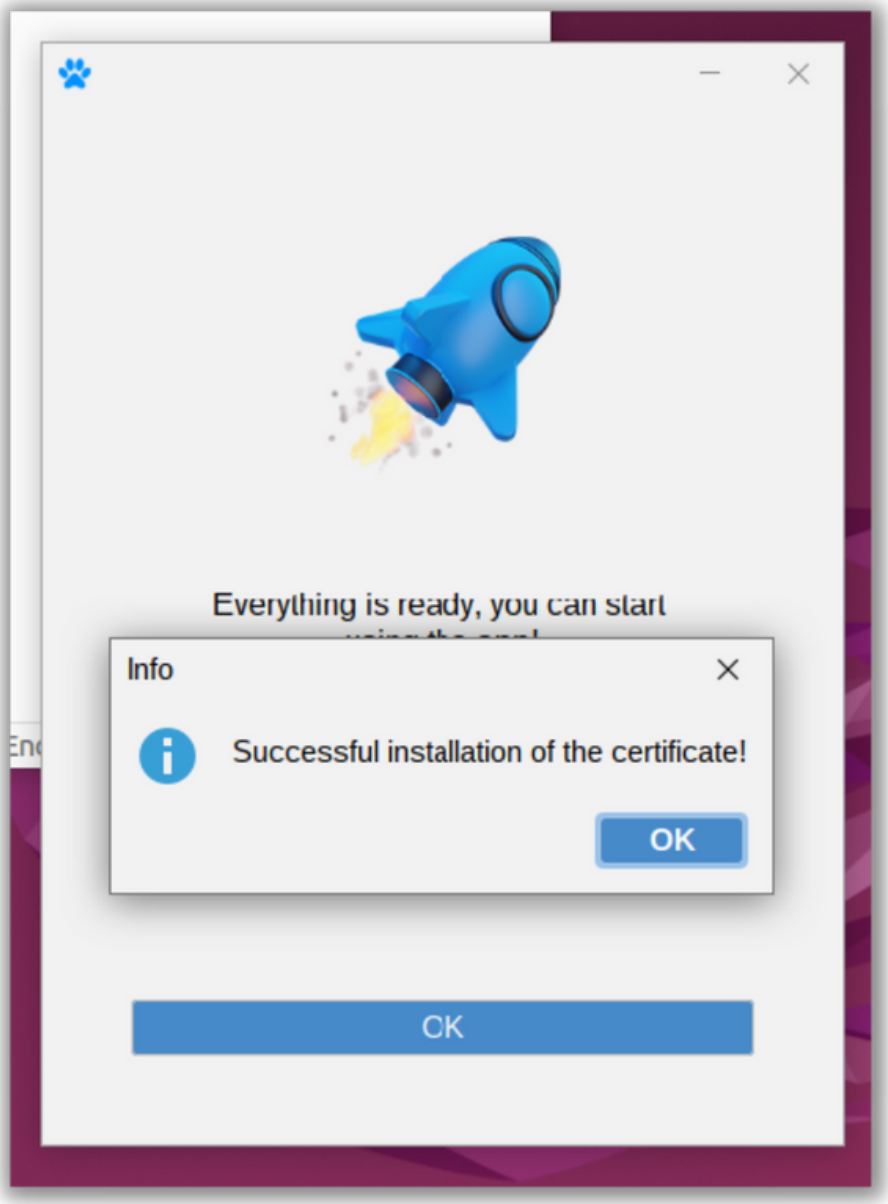





```
admin@ubuntu:~/Downloads/CE$ sudo apt-get install -y ca-certificates
sudo cp /tmp/cdog_tmp_16857303435061588929390044063 09.pem /usr/local/share/ca-ce
rtificates
sudo update-ca-certificates
[sudo] password for admin:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
ca-certificates is already the newest version (20211016ubuntu0.22.04.1).
ca-certificates set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
Updating certificates in /etc/ssl/certs...
0 added, 0 removed; done.
Running hooks in /etc/ca-certificates/update.d...
done.
admin@ubuntu:~/Downloads/CE$
```

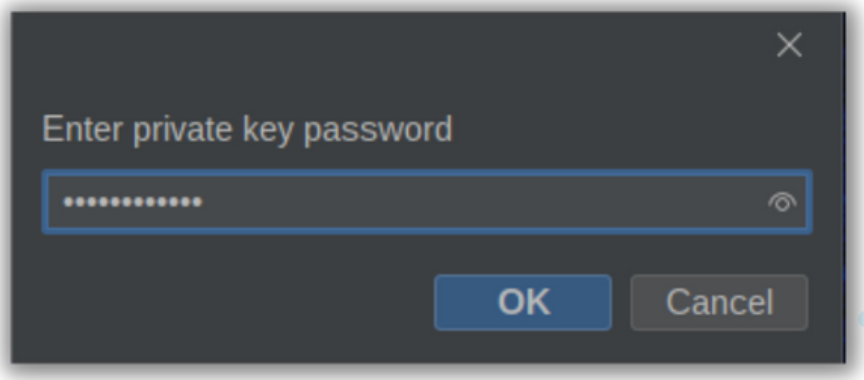
ATTENTION! The owner of the account must have confidence in being able to remember the password to a private key. You can use any Password Manager or other methods to remember it. In case you forget your password and you have previously created a backup of the key you can recover it. Otherwise, you can only recover your account, but you will lose all the data associated with your previous encrypted messages and files.

3. You can start using the app. Congrats!



FEATURES AND USER MANUAL

1. The application features and options are available in the app's service, which can be found in the system tray. The CE logo should appear. If you cannot find it, try to run the service via shortcut in Linux installed programs. Mouse right button on the app icon in the system tray will show available options.



2. The white color of the icon indicates that the private key is not in the application's memory for security reasons. In the application settings, you can decide after how long the key should be deleted from memory.

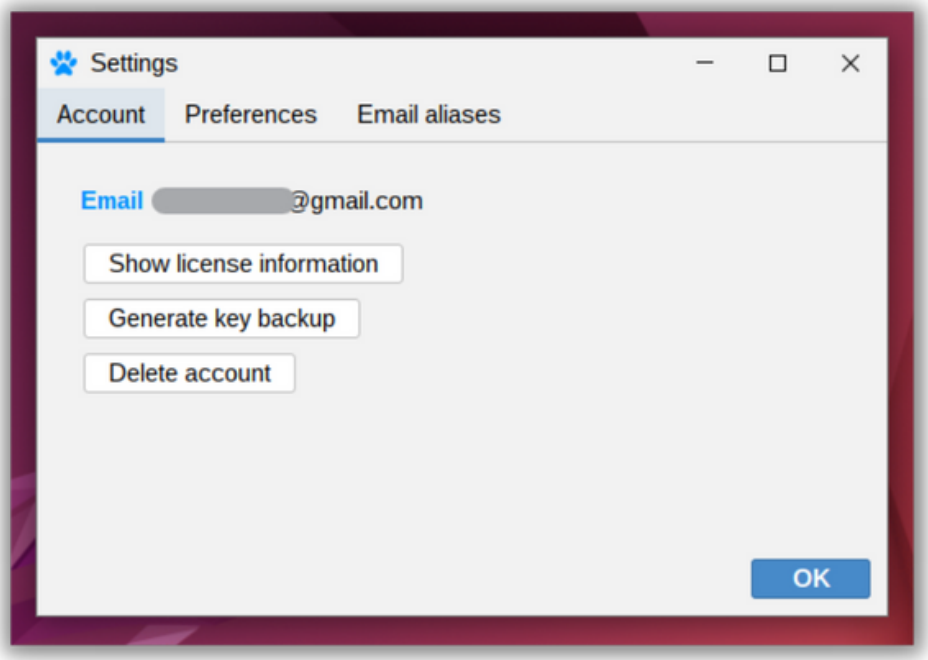
After selecting the “Unlock private key” option, you will be asked for the password you previously set for your Private Key during the registration process. Once unlocked, the color of the icon will turn blue.

The application must have unlocked keys to be able to properly communicate with encryption plugins.

You will find the following menu options via the tray app icon:

B. **Settings.** The following tabs are currently available:

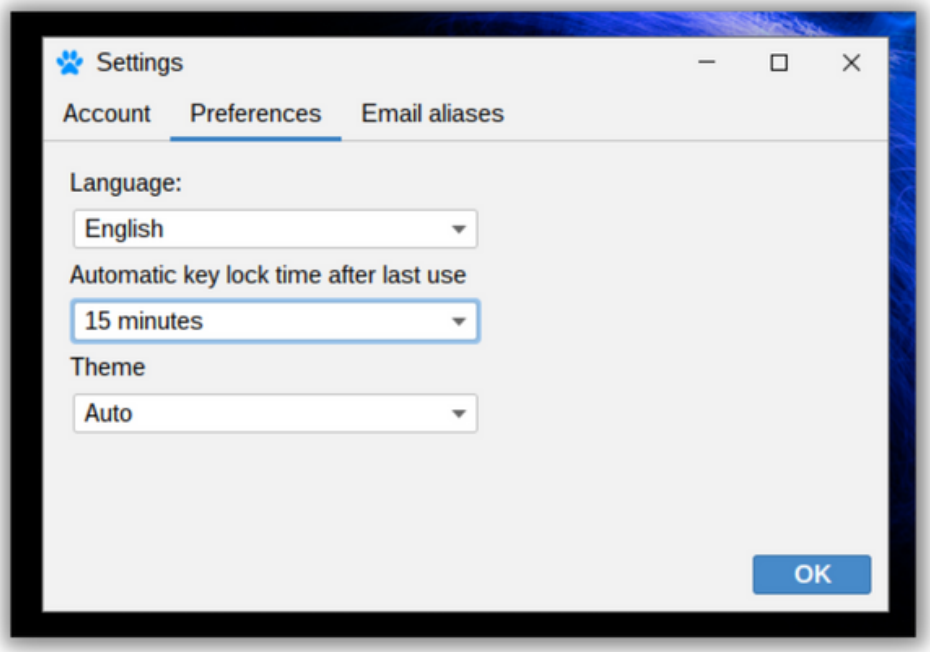
Account. You will find your license information and your registered email address.



- **Generate backup keys.** This option allows you to make a backup for your RSA Keys. Remember to keep it in a safe place. If you lose your password there is a possibility to recover your account, but you won't be able to decrypt previously encrypted emails and files.

- **Delete account.** You can delete your CE account, but you will lose all data associated with the account, and you will not be able to decrypt previous messages.

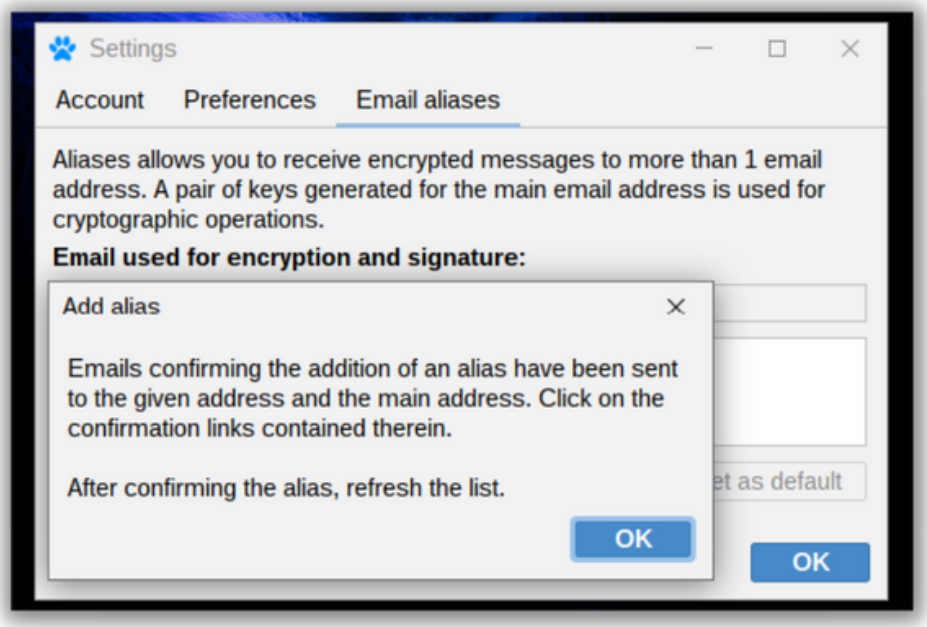
- **Preferences.** You can choose preferred menu language from available ones.



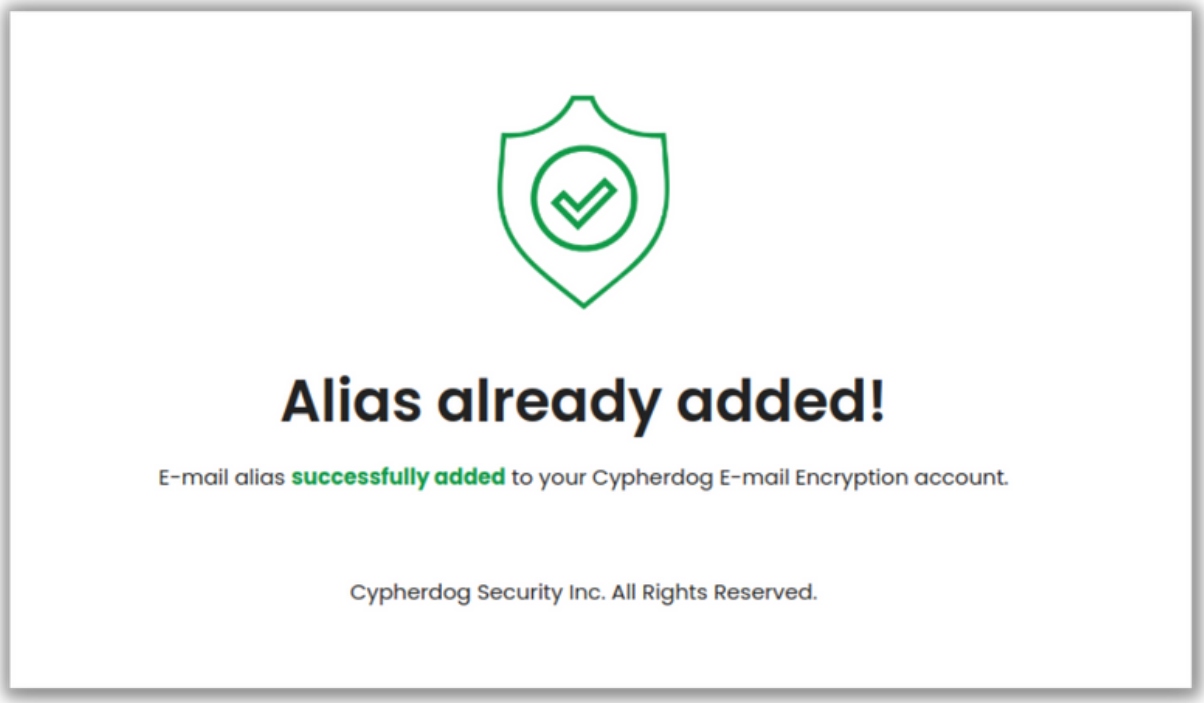
- **Automatic key lock.** You can set the time after which your Private Key will be locked and will require the password to unlock it.

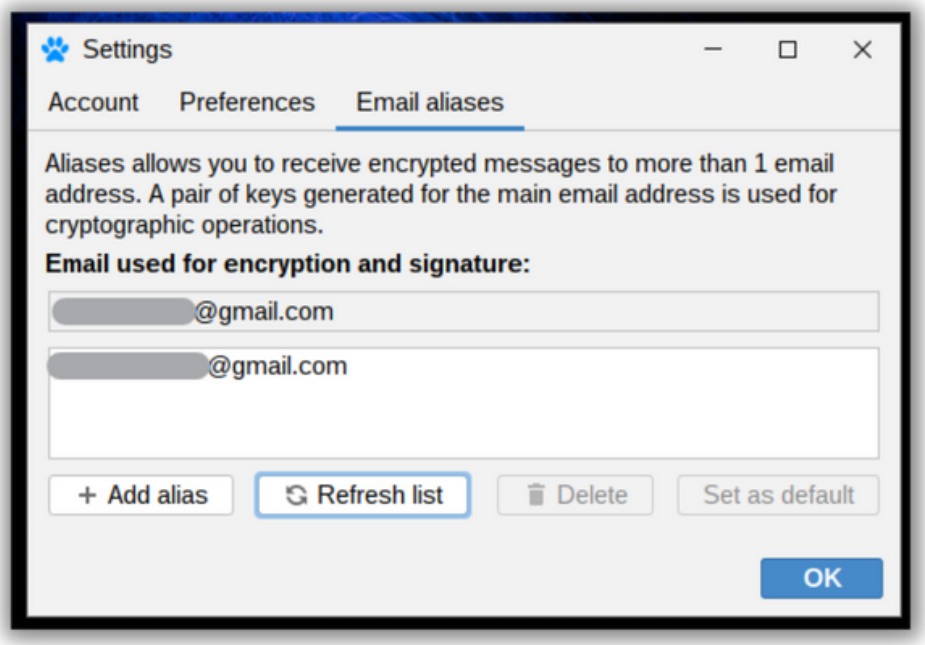
- **Theme.** You can choose preferred one.

Email aliases. Aliases allows you to receive encrypted messages to more than one email address. A pair of keys generated for the main email address is used for cryptographic operations. All you must do is click “+Add alias” button, enter an additional email and confirm both email addresses (the main one assigned to your account and the second one alias) by clicking the link in the received messages.

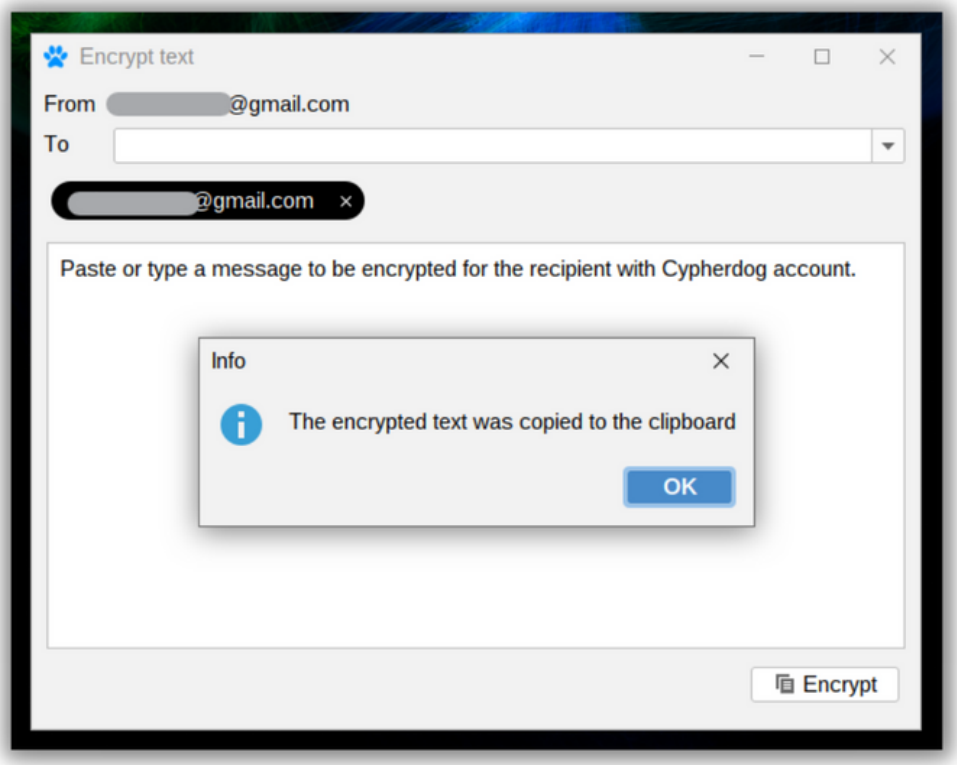

Settings
Account
Preferences
Email aliases
Aliases allows you to receive encrypted messages to more than 1 email address. A pair of keys generated for the main email address is used for cryptographic operations.
Email used for encryption and signature:
Add alias
Emails confirming the addition of an alias have been sent to the given address and the main address. Click on the confirmation links contained therein.
After confirming the alias, refresh the list.
OK
et as default
OK

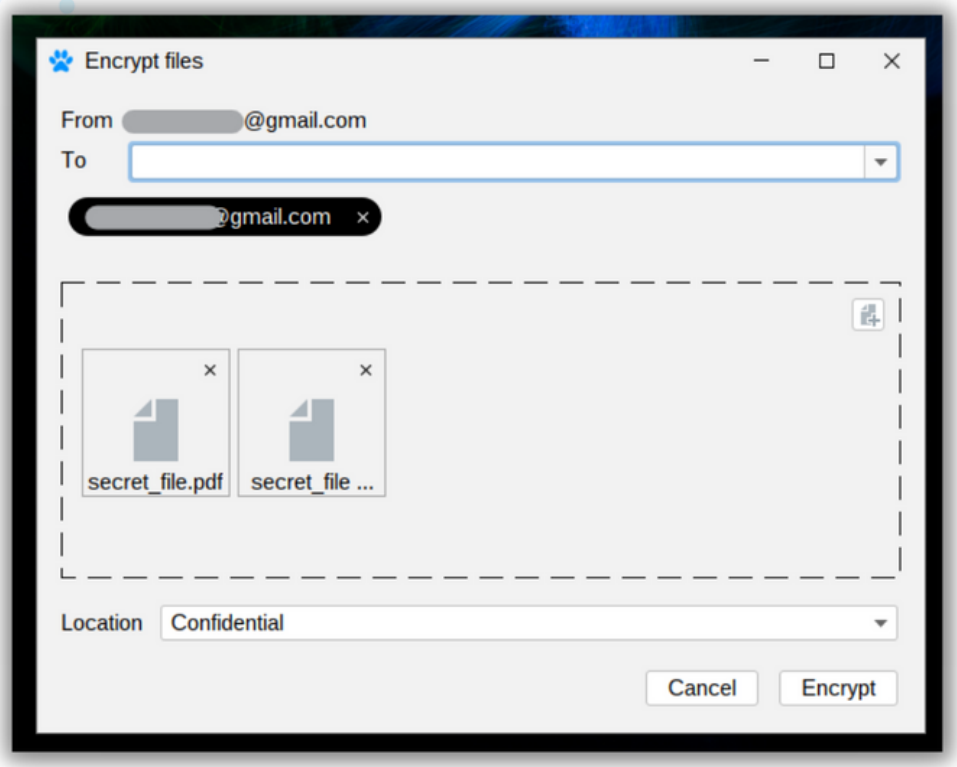
CYPHER.DOG
Cypherdog Encryption
You want to add an e-mail alias [redacted]@gmail.com in Cypherdog Encryption.
The process of adding this email alias was initiated from the account: [redacted]gmail.com
Click here to confirm your email address


Alias already added!
E-mail alias successfully added to your Cypherdog E-mail Encryption account.
Cypherdog Security Inc. All Rights Reserved.

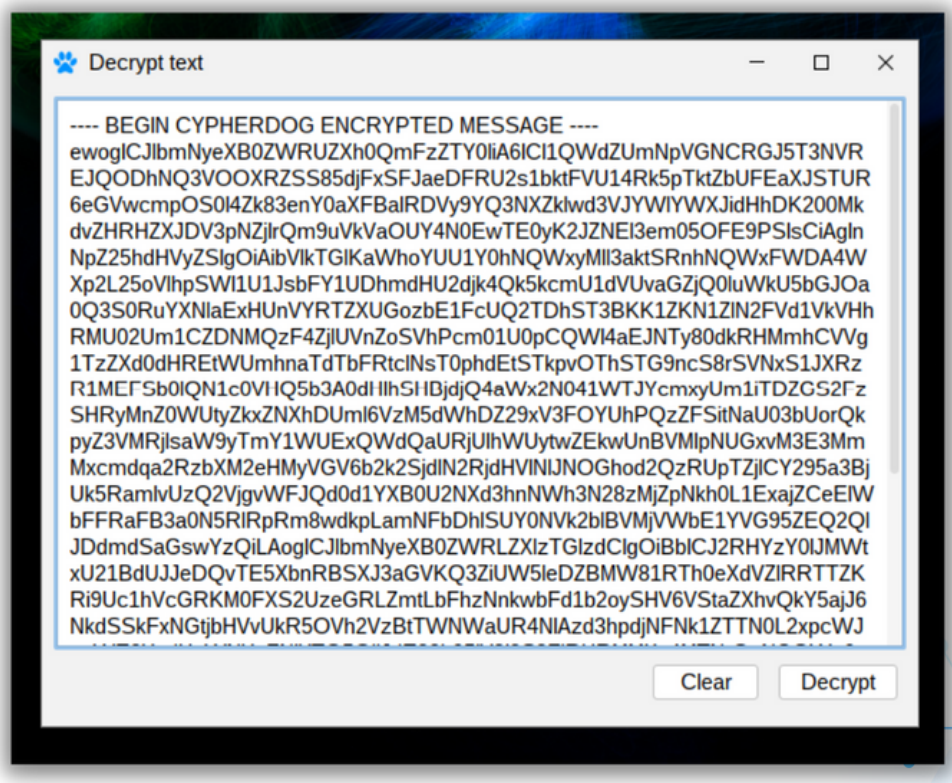

Settings
Account
Preferences
Email aliases
Aliases allows you to receive encrypted messages to more than 1 email address. A pair of keys generated for the main email address is used for cryptographic operations.
Email used for encryption and signature:
@gmail.com
@gmail.com
+ Add alias
Refresh list
Delete
Set as default
OK

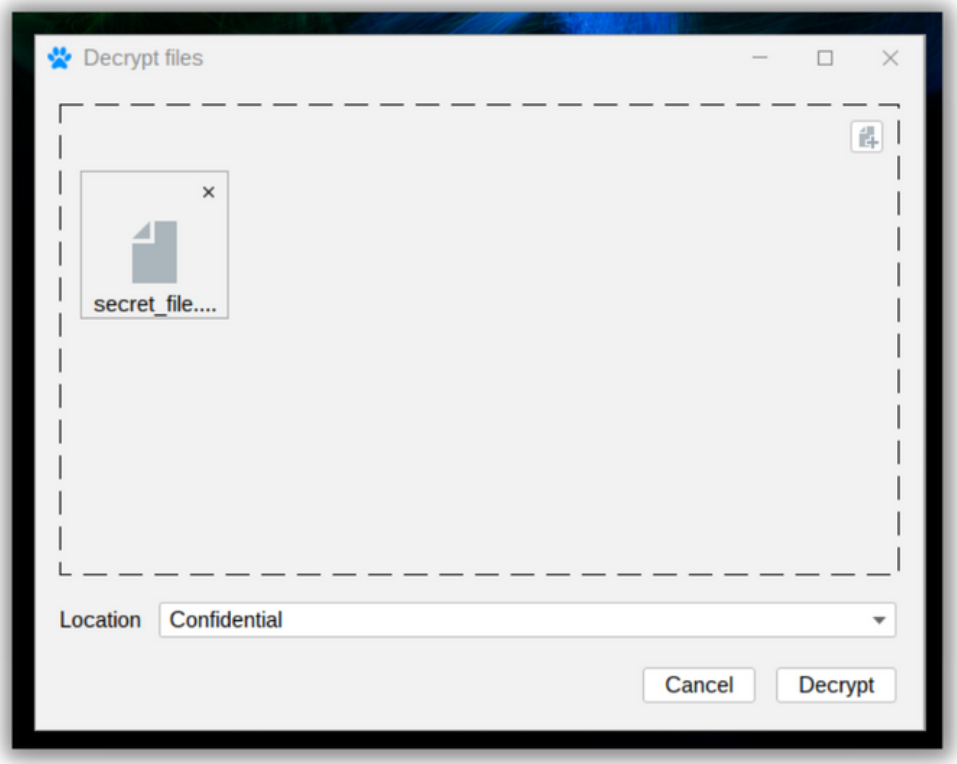
D. **Encrypt (file or text).** The main feature of the CE SU application. Just provide the text or files you need to encrypt for a specified email addresses (you can add many recipients). Please note that only the email associated with the Cypherdog account can be the recipient. Once encrypted, your message is copied to the system clipboard and can be sent via any email client / provider. Encrypted files will be saved in the folder indicated as "Location". Encrypted messages can be easily decrypted directly from Gmail or Outlook via dedicated plugins. Encrypted files have a .cdog extension that has been associated with OS during app installation. In addition to the “magic window,” you can encrypt your files directly via the right-click context menu in Linux GUI by selecting the open option.

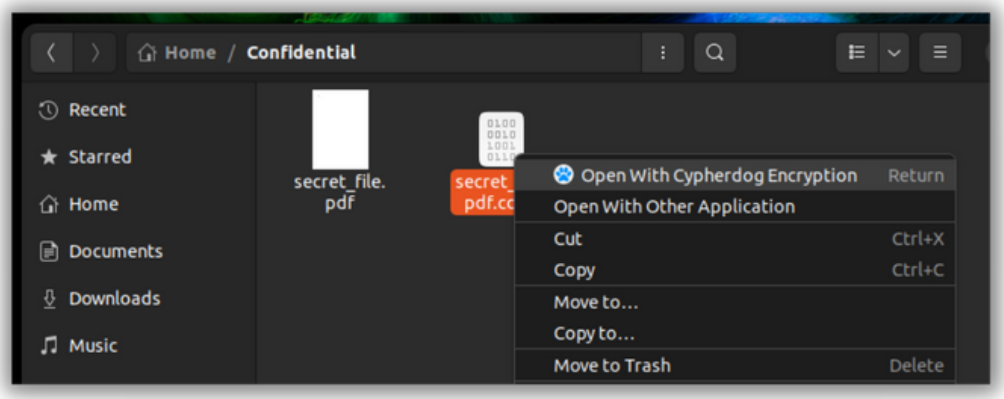




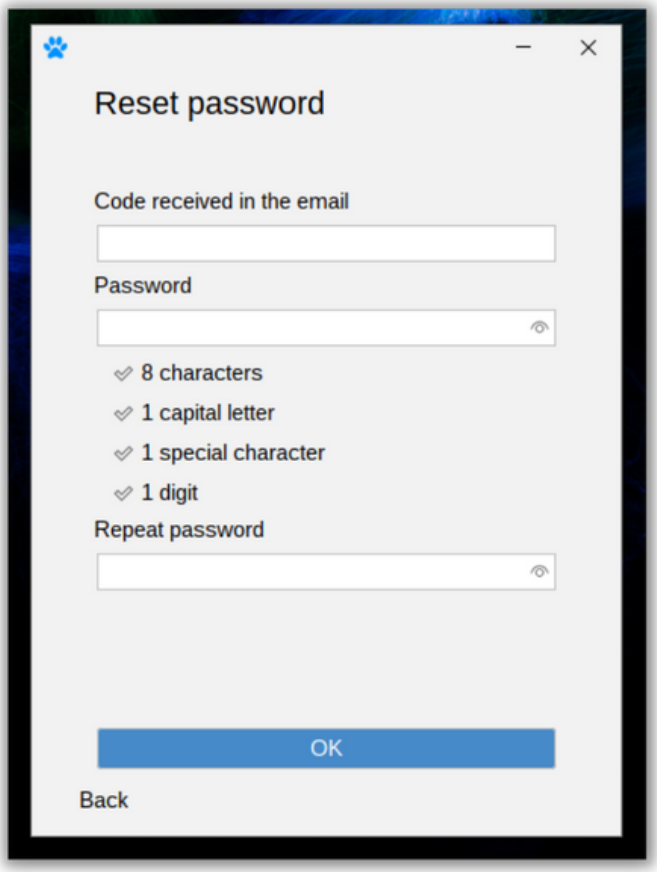
E. **Decrypt.** Just paste to the decryption window (called the “magic window”) the content of the message starting with “--- BEGIN CYPHERDOG ENCRYPTED MESSAGE” phrase. Click the “Decrypt” button and read the message. The encrypted files have the .cdog extension and are associated with OS system files. That means that you can decrypt .cdog files directly using the context menu. Just open the encrypted file (associated with Unix/Linux OS).

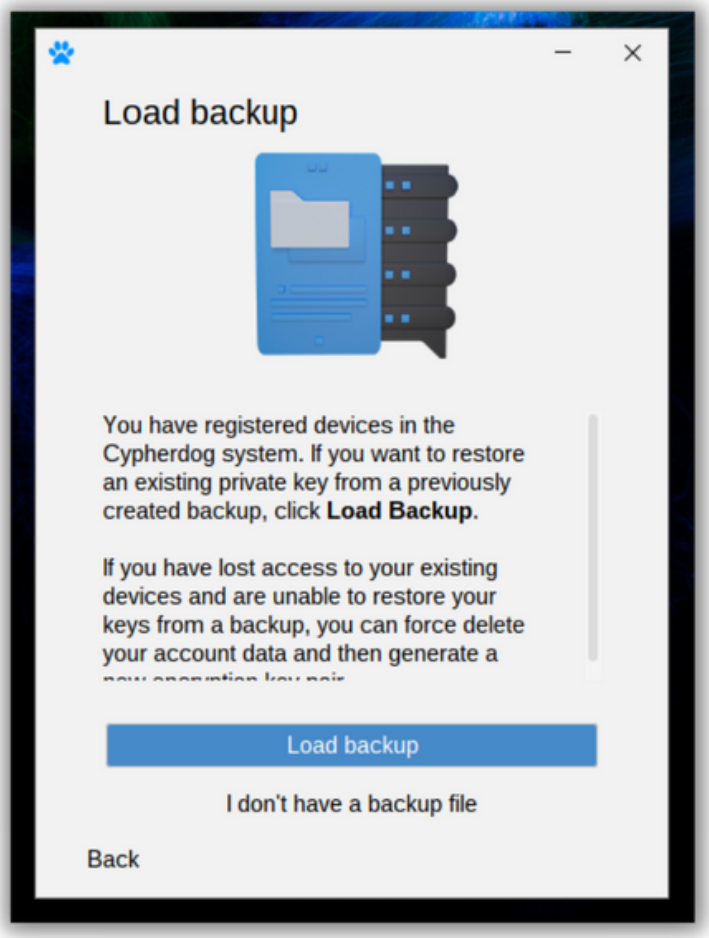


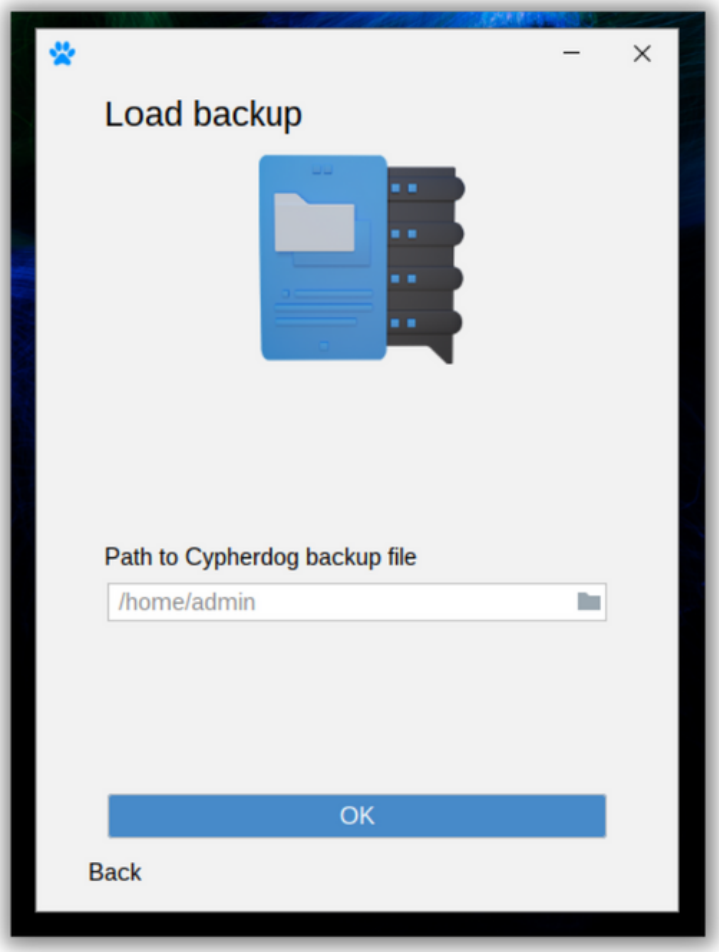


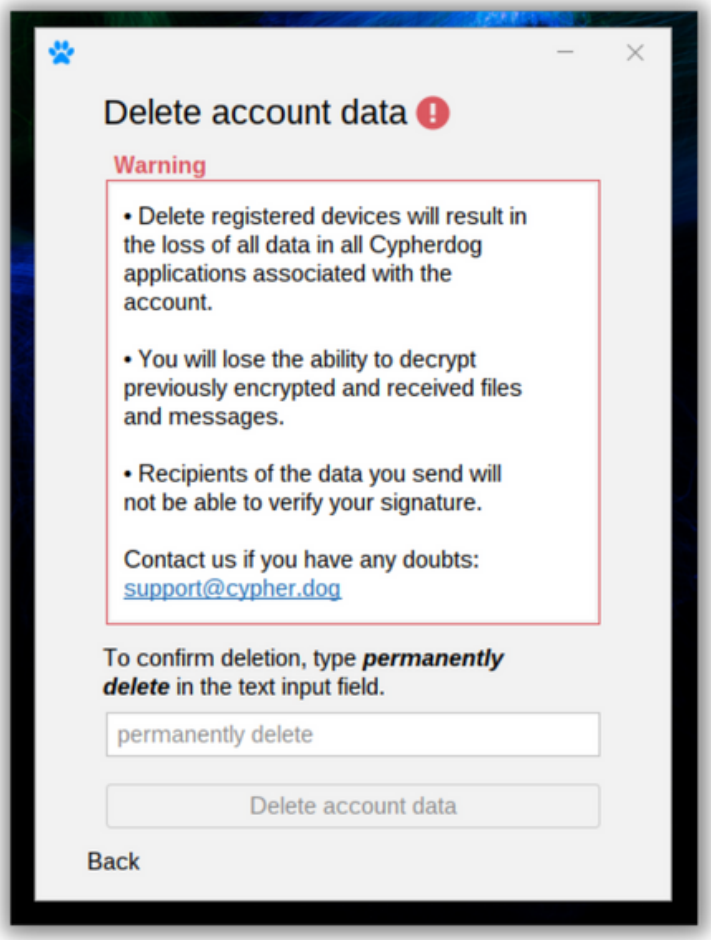


Forgotten key password. You can recover your account if you forget your key password but remember that you will lose all data in the Cypherdog apps associated with your account. You will lose the ability to decrypt previously encrypted files and messages, the recipients of the messages you send will not be able to verify your signature.


Reset password
Code received in the email
Password
8 characters
1 capital letter
1 special character
1 digit
Repeat password
OK
Back


Load backup
You have registered devices in the Cypherdog system. If you want to restore an existing private key from a previously created backup, click **Load Backup**.
If you have lost access to your existing devices and are unable to restore your keys from a backup, you can force delete your account data and then generate a
Load backup
I don't have a backup file
Back


Load backup
Path to Cypherdog backup file
/home/admin
OK
Back


Delete account data
Warning
• Delete registered devices will result in the loss of all data in all Cypherdog applications associated with the account.
• You will lose the ability to decrypt previously encrypted and received files and messages.
• Recipients of the data you send will not be able to verify your signature.
Contact us if you have any doubts:
support@cypher.dog
To confirm deletion, type permanently delete in the text input field.
permanently delete
Delete account data
Back

Cypherdog Encryption Plugins

Go to the website https://www.cypher.dog/cdog-download-the-app-encryption/

Listed plugins are currently available:

- Google Chrome Plugin for Gmail & Google Suite:

Start Google Chrome
Click the proper plugin from the Cypherdog website or enter URL:
https://chrome.google.com/webstore/detail/cypherdog-email-encryptio/dhcfjhfmgoekhacekiogfhkiiipokegp

- Microsoft Edge for Gmail & Google Suite:

Start Microsoft Edge
Click the proper plugin from the Cypherdog website or enter URL:
https://microsoftedge.microsoft.com/addons/detail/cypherdog-encryption/jfnlgjiipnghfngfmdcidngnepjhpbkn

- Microsoft Outlook 2016/2019/2021/Microsoft 365 & Webclient:
  a. Click Get Add-ins in the main ribbon in Outlook
  b. Click My Add-ins on the left in Add-Ins Window
  c. Scroll Down
  d. Click Add a custom add-in → Add from URL, paste address: https://packer.cdn.cypher.dog/outlook/plugin/manifest.xml (this address you can copy from https://www.cypher.dog/cdog-download-the-app-encryption/ after clicking Outlook icon).

- Mozilla Firefox for Gmail & Google Suite:

Start Firefox
Click the proper plugin from the Cypherdog website or enter URL address:
https://addons.mozilla.org/en-US/firefox/addon/cypherdog-encryption/
Install ad-on.

- Thunderbird:

Download and install plugin (xpi) to the Thunderbird e-mail client directly from the link: https://addons.thunderbird.net/en-US/thunderbird/addon/cypherdog-encryption/