

**Kiwinest User’s guide**

2024.06.04 last updated – Choi Changho(op11091109)



1. **Introduction**

Kiwinest is software that encrypts and stores text files or codes in real time. Real-time encryption means that data is automatically encrypted just before it is stored and decrypted immediately after it is loaded without user intervention. If the correct key file is not used, the data encrypted cannot be read decrypted. Kiwinest is developed through the Flutter framework and can run on Windows, Mac and Linux environments.

1. **How to Install**

**Windows**

1. Install NSIS
2. Create install file by ‘installer.nsi’

!include "MUI2.nsh"

Name "Flutter Desktop App"

OutFile "installer.exe"

InstallDir $PROGRAMFILES\FlutterDesktopApp

RequestExecutionLevel user

Page directory

Page instfiles

Section "MainSection" SEC01

SetOutPath $INSTDIR

File /r "build\windows\runner\Release\\*"

CreateShortcut "$DESKTOP\FlutterDesktopApp.lnk" "$INSTDIR\FlutterDesktopApp.exe"

SectionEnd

1. Compile as ‘makensis installer.nsi’

**Mac**

1. Use create.dmg
2. Script ‘npm install --global create-dmg’ in terminal
3. Script ‘create-dmg build/macos/Build/Products/Release/MyApp.app’ in terminal

**Linux**

1. Create Debian package by this:

mkdir -p package/DEBIAN

mkdir -p package/usr/local/bin

cp -r build/linux/release/bundle/\* package/usr/local/bin/

cat <<EOT >> package/DEBIAN/control

Package: flutter-desktop-app

Version: 1.0

Section: base

Priority: optional

Architecture: amd64

Depends: libgtk-3-0 (>= 3.22)

Maintainer: Your Name <your.email@example.com>

Description: Flutter Desktop App

EOT

dpkg-deb --build package

1. **How to Use**
   1. **Text / Code Encryption-Decryption**
2. Click the Encryption button to upload the file to be encrypted.
3. The table displays the file and creates an encrypted file in the same location.
4. Click the argument shown in the table to activate the decryption button and decryption is possible.
5. When decrypted, the argument in the table disappears again.
6. You can set the security of the key value using the slider on the right.
7. If a key file is lost, it can be created with the 'Create Key File' button.
8. When created, existing key files are backed up within the 'Document' folder.
   1. **Secure Folder**
9. Click the Fetch button to upload the file to the Nest folder.
10. Nest folder is a folder that exists within the 'Documents' folder and is not accessible through Explorer or Finder.
11. The table displays the file.
12. Clicking the argument shown in the table activates the Eject button, and files in the Nest folder at Eject are moved to the 'Document' folder.
    1. **Cycle Clean-Up**
13. This feature is activated only when the program is turned on.
14. Measure the time set in the Cleanup Cycle on the right side of the table and decrypt the encrypted file after that time. (The default setting time is 50 minutes.)
15. **Notice & FAQ**