

# Ladhe's Encryption Utility (LE)

Experience the next generation of data security with **Ladhe's Encryption Utility (LE)**—a cutting-edge, **quantum-safe** encryption tool designed for Mac terminals. Built with advanced features and unparalleled encryption power, LE ensures your sensitive data is protected from modern and future threats.

## Key Features:

1. **Symmetric Key Generation:** Effortlessly generate secure keys for symmetric encryption, similar to AES. (Only in Licensed version)
2. **Asymmetric Key Generation:** Create powerful encryption and decryption keys, comparable to RSA. (Only in Licensed version)
3. **Versatile Encryption Options:** Encrypt plaintext, pipelined text from files, or entire files seamlessly. (Only in Licensed version)
4. **Flexible Decryption:** Decrypt ciphertexts created using symmetric or asymmetric keys with ease. (Only in Licensed version)
5. **File/Folder Encrypt/Decrypt:** Protect your file/folder with robust encryption/decryption. For folder you can use **recursive** option. Use Trio mode to use all 3-Force/Clean/Recursive.
6. **Force/Clean Mode:** With force mode it will overwrite encrypted file if exists. Clean will move.leXXX file to original file on successful decryption.
7. **Trio Mode:** With trio mode, you can force, clean and use recursive.
8. **Password Mode:** To create password file, you have use password mode You can create password file that can be used to encrypt files/folders. To decrypt password file, you will need to use actual password with -w password.
9. **Password-Protected Encryption:** Encrypt files/folders and safeguard them with a password.
10. **Time-Lock Encryption:** Secure files/folders with encryption that follows specific time constraints:
  - Decrypt only **before a certain date**.
  - Decrypt only **after a certain date**.
  - Decrypt **within a specified date range**.
11. **Password Protection:** Encrypted files require the original password for decryption, ensuring confidentiality.
12. **Geo Location Mode:** You can add csv array of Longitude, Latitude, Distance in location file. To create encrypted geo location file, you have use location mode -v. You can create location file that can be used to encrypt files/folders with Geo Location protection. We add encrypted geo location by default.
13. **Geo-Location Protected Encryption:** Encrypt files/folders and safeguard them with a geo location. The minimum distance we check is 30 miles from geo locations you setup.

14. **New File Extensions:** Depending on type of file extension (XXX), the new encrypted files will have leXXX extension.

For e.g. If you encrypt Test.txt with LE, the encrypted file will be Test.letxt

15. **File Info Insights:** Retrieve metadata about encrypted files using the `Get Info` feature.
16. **Integrated Comments:** LE encryption automatically adds a comment attribute detailing the encryption, visible in file properties.
17. **Comment Cleanup:** Upon decryption, LE removes the extended comment for a seamless experience.
18. **Date Tampering:** In licensed version, online date is checked against system date.
19. **File Size:** In beta, we support up to 4 MB, in licensed version, we support up to 100 MB.
20. **File Extensions:** As of now we support these extensions, if you need support for new type, please let us know at [spalgorithm@gmail.com](mailto:spalgorithm@gmail.com)

`"java , txt , rtf , c , vb , cs , csv , log , asp , class ,  
m , h , php , aspx , js , html , htm , js , xhtml , storyboard , jso  
n , xml , py , sql , swift , xib"`

## Why Choose LE?

LE is currently in Beta and represents the forefront of post-quantum cryptography, making it the ideal solution for safeguarding your sensitive data in the quantum computing era. If you find it meets your needs and expectations, you can request a licensed copy to continue benefiting from its powerful features.

Enjoy the confidence of knowing your data is secure with **Ladhe's Encryption Utility (LE)**—the quantum-safe tool to keep your information safe, today and tomorrow!

The LE command on terminal:

OVERVIEW: LE encrypts or decrypts data from plaintext or file, it works with pipeline. If you want to get plaintext or ciphertext from file.

• Ladhe 2025! This is in BETA, if you find it meets your needs and expectations, you can request a licensed copy to continue benefiting from its powerful features

USAGE: le <options>

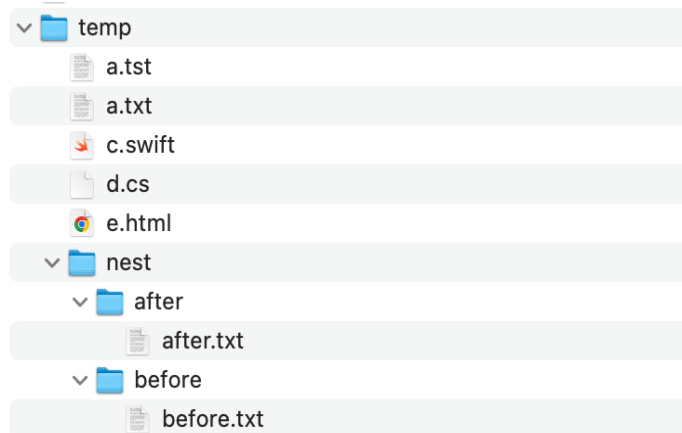
ARGUMENTS:  
<strings> -

OPTIONS:

- h, --force Override encrypted file
- z, --clean Remove encrypted/decrypted file
- n, --recursive Recursive/nested for folder
- j, --trio-flag Clean, Force and Recursive/nested for folder
- s, --setup Setup LE
- d, --password-flag Password Flag if you want to encrypt password file.  
./LE -e pass.txt -q -j
- v, --location-flag Location Flag if you want to encrypt location file.  
./LE -e pass.txt -v -j  
You can add csv array of Longitude, Latitude, Distance in location file. You can create location file that can be used to encrypt files/folders with Geo Location protection.  
We add encrypted geo location by default.
- e, --encrypt-file <encrypt-file>  
name of file/folder to encrypt (the command only writes to current directory). /LE -e file/folder --force --clean or ./LE -e file/folder -w pass.txt.  
Please try with -w password file name. Use -j for recursive/force/clean
- d, --decrypt-file <decrypt-file>  
name of file/folder to decrypt (the command only writes to current directory). /LE -d file/folder --clean or ./LE -d file/folder -w actual password or password file. For  
Password encrypted files -w password. Use -j for recursive/force/clean.
- i, --get-info-file <get-info-file>  
For Password file decryption add actual password ./LE -d pass.txt -j -w ActualPassword  
Get info on encrypted file/folder with future date.  
./LE -i file/folder -n for recursive
- b, --location-file <location-file>  
Geo Location encrypted file. The minimum distance we check is 30 miles from geo locations you setup.
- w, --pass-word <pass-word>  
Password ./LE -e file/folder -w Password
- t, --encrypt-till-date <encrypt-till-date>  
Date till you want to allow to decrypt file/folder. Works with only -e  
./LE -e file/folder -t encryptTillDate e.g. ./LE -e a.txt -t '2024/12/13 14:22' for 2.22 PM , for 2.22 AM -> '2024/12/13 2:22'
- l, --decrypt-from-date <decrypt-from-date>  
Date from to allow to decrypt file/folder. Works only with -f ./LE -e file/folder -l decryptFromDate e.g. ./LE -e a.txt -l '2024/12/13 14:22' for 2.22 PM , for 2.22 AM ->  
'2024/12/13 2:22'
- r, --decrypt-to-date <decrypt-to-date>  
To Date range to allow to decrypt file/folder. Works only with -e ./LE -f file/folder -l decryptFromDate -r decryptToDate e.g. ./LE -e a.txt -l '2024/12/13 14:22' for 2.22 PM ,  
for 2.22 AM -> '2024/12/13 2:22' -r '2024/12/13 14:22' for 2.22 PM , for 2.22 AM -> '2024/12/13 2:22'
- k, --encrypt\_type <encrypt\_type>  
Type of Encryption -- asymmetrical (a) or symmetrical (s) (Not available in Beta)
- f, --ladhe-pubkey-en <ladhe-pubkey-en>  
./LE -f Key (Not available in Beta)
- u, --ladhe-pubkey-de <ladhe-pubkey-de>  
./LE -u Key (Not available in Beta)
- a, --decrypt\_key <decrypt\_key>  
./LE -u Key -a Decrypt-Key (Not available in Beta)
- p, --plain-text <plain-text>  
PlainText ./LE -f Key -p PlainText (Not available in Beta)
- o, --output-file <output-file>

# User's Manual

This is our test folder for all the commands



1. To encrypt password file: `./LE -e pass.txt -q -j`
2. To decrypt password file: