

# *User Guide*

## **License Generator**

release v0.1

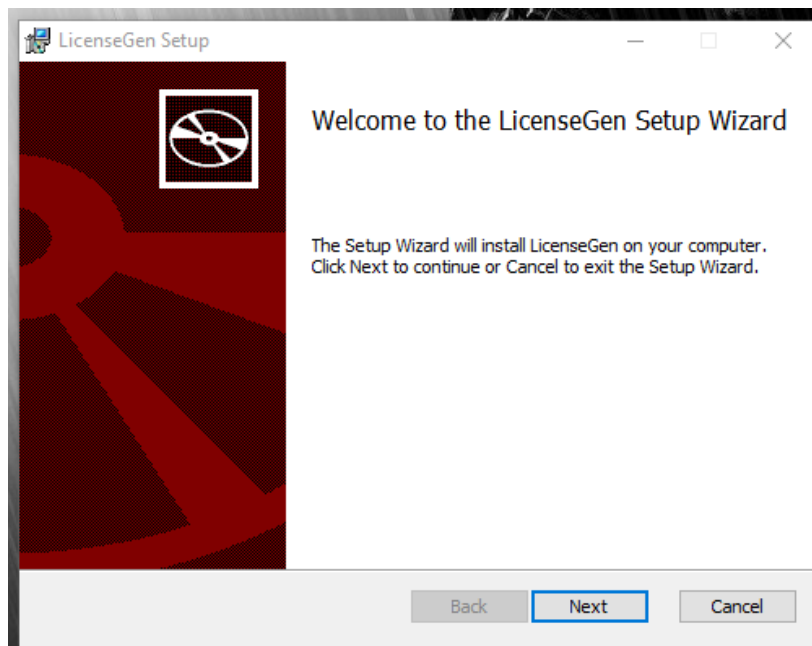
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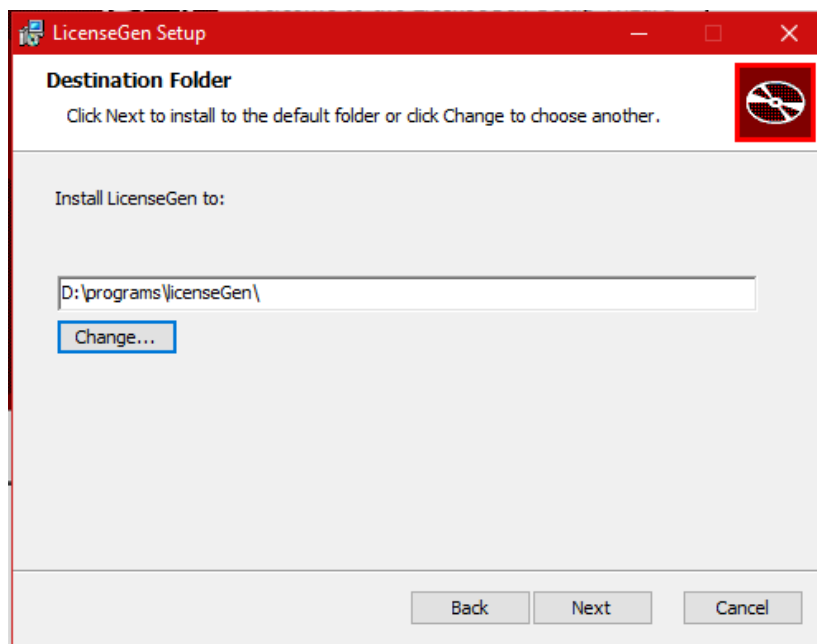
## Installation

On windows:

1. Download .exe file from [the repository](#)
2. Run the installer



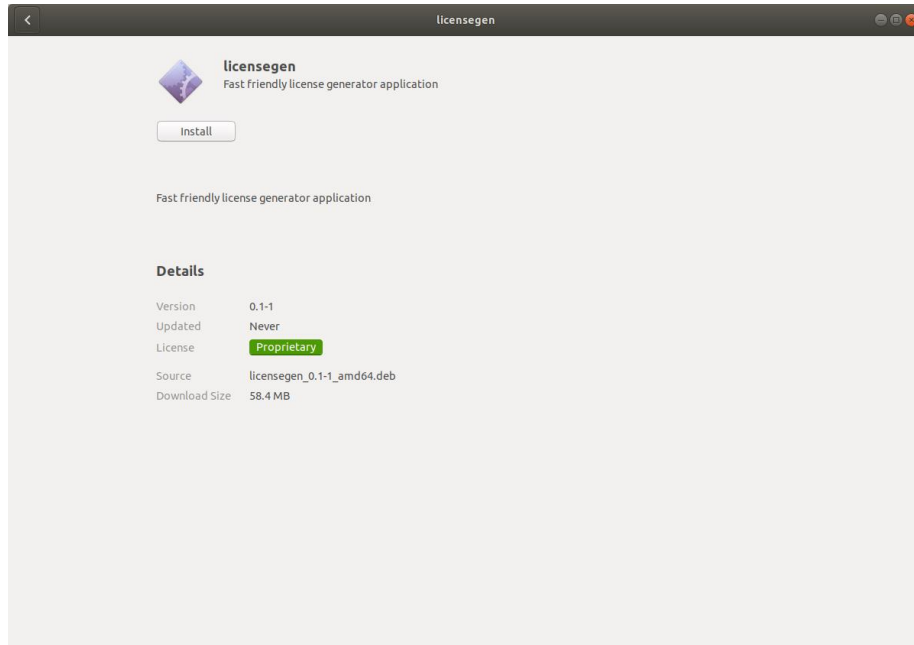
3. Select the installation folder:



4. Install

On linux (AMD64)

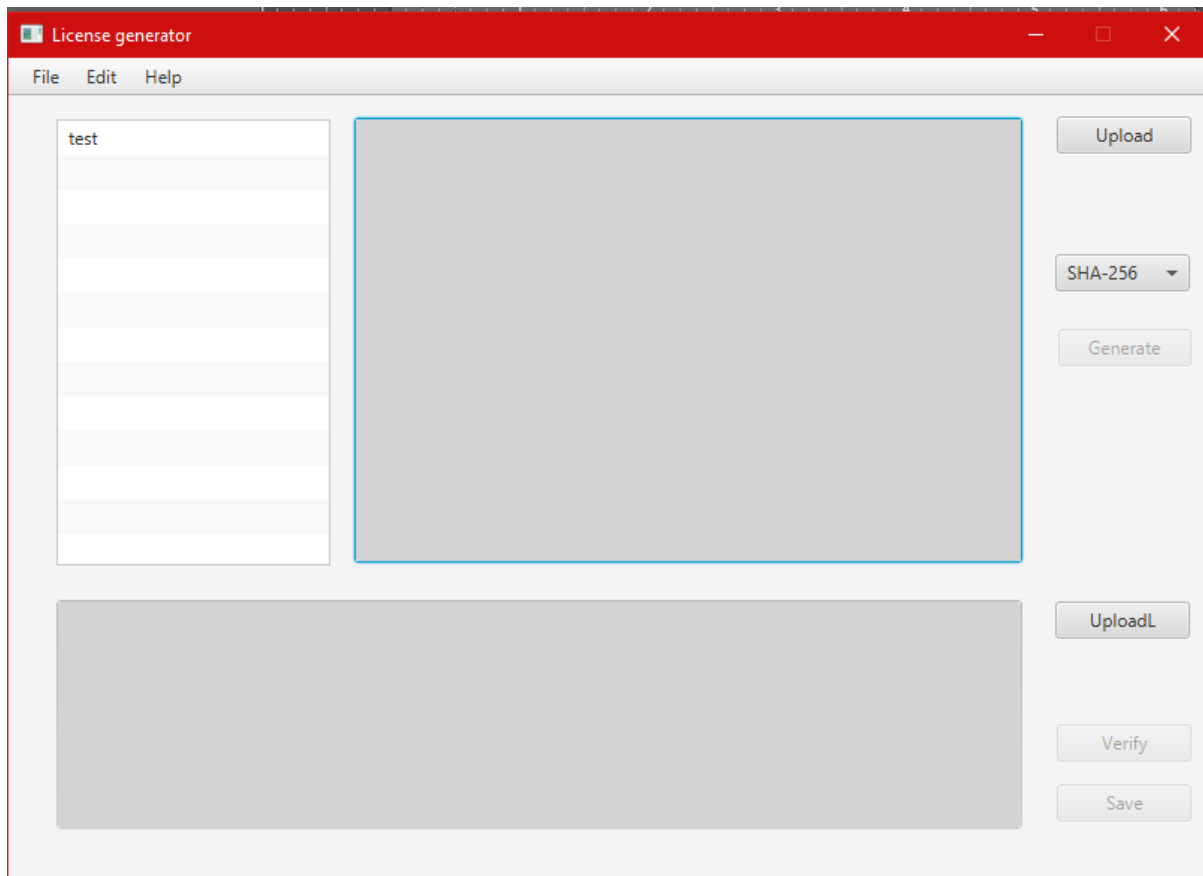
1. Download – amd64 - .deb file [from the repository](#)
2. Run the installer:



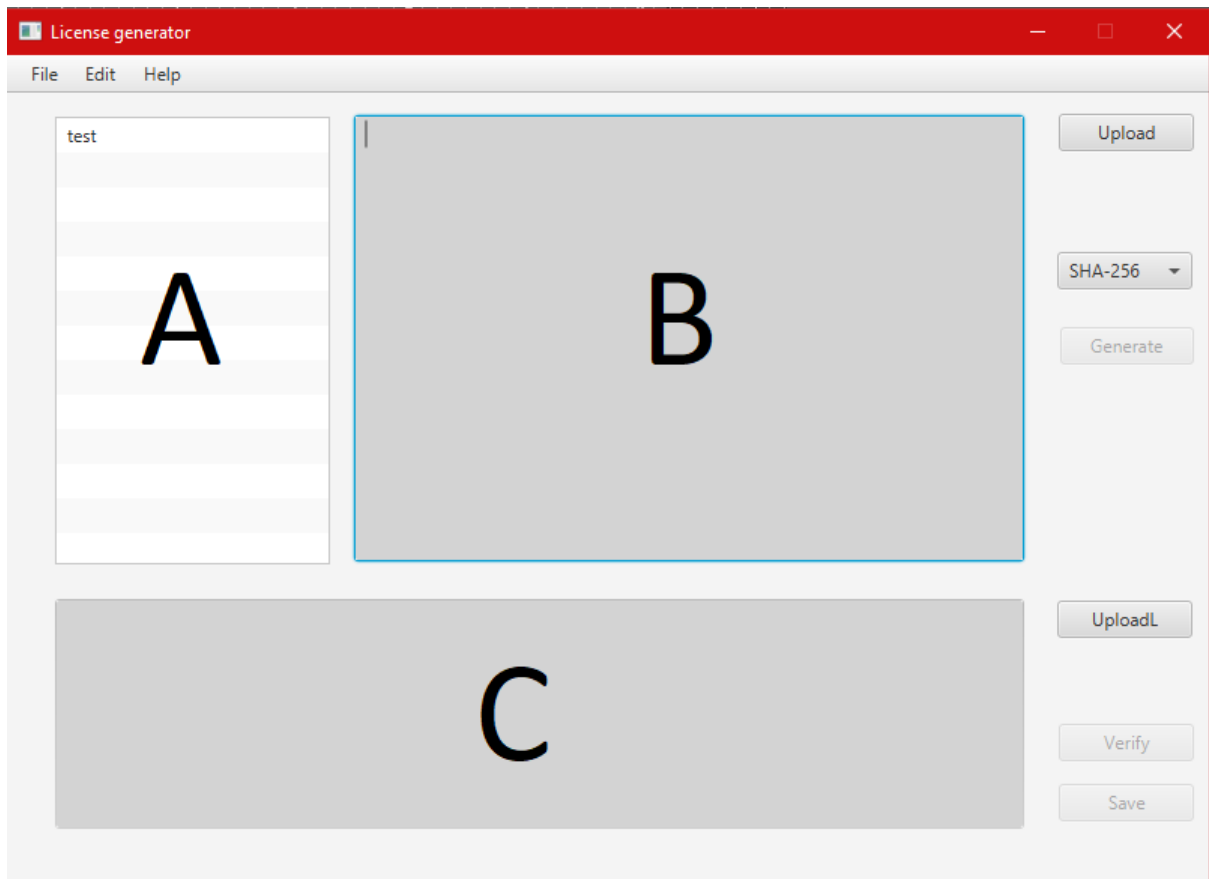
3. **Install**

How to use:

Description



*Figure 1: Main window*



The **A area** is the section where all available keys are stored. When starting the program is search for the keys in the **Key** folder in the **.licenseGenerator** folder in the **User\_Home** directory. When adding a new key, it will be displayed in the **A area** as well. The new generated keys automatically will be saved in the **Key** directory.

The **B area** is the section where the **text of the license** is written. The **text of the license** can be written in the section or can be **uploaded from a file**

**If the text written in this area isn't formatted as a license, the Generate button will not be available to push.**

The **C area** is the section where the encrypted license will be shown.

## Buttons:

**Upload** – uploads the text of a license from a file

**Generate** – generates the encrypted license. **It will be unavailable if a key is not selected or the license text isn't formatted as a license or a hash algorithm is not chosen (from choice Box)**

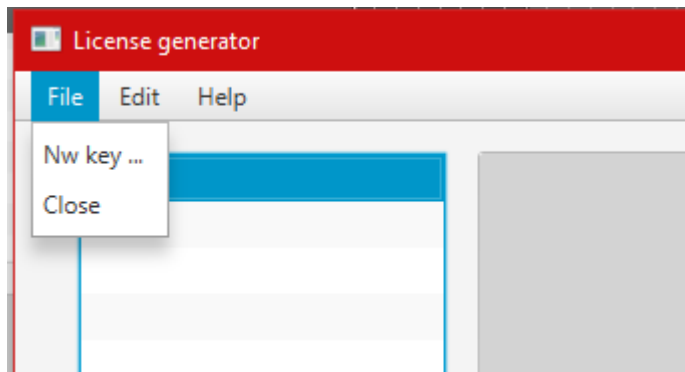
**UploadL** – uploads an encrypted license from a file (used to check if the file is an encrypted license or if It was encrypted with a specific key)

**Verify** – used to check if the license was encrypted with a specific key (a key from key list should be chosen)

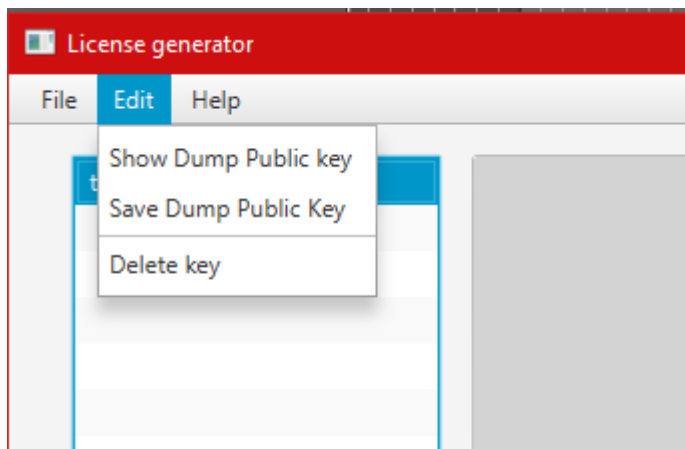
**Save** – used to save the encrypted license in different formats (BIN or BASE64 or TXT)

## Menu:

1. File
  - a. **New Key** – used to create a new key



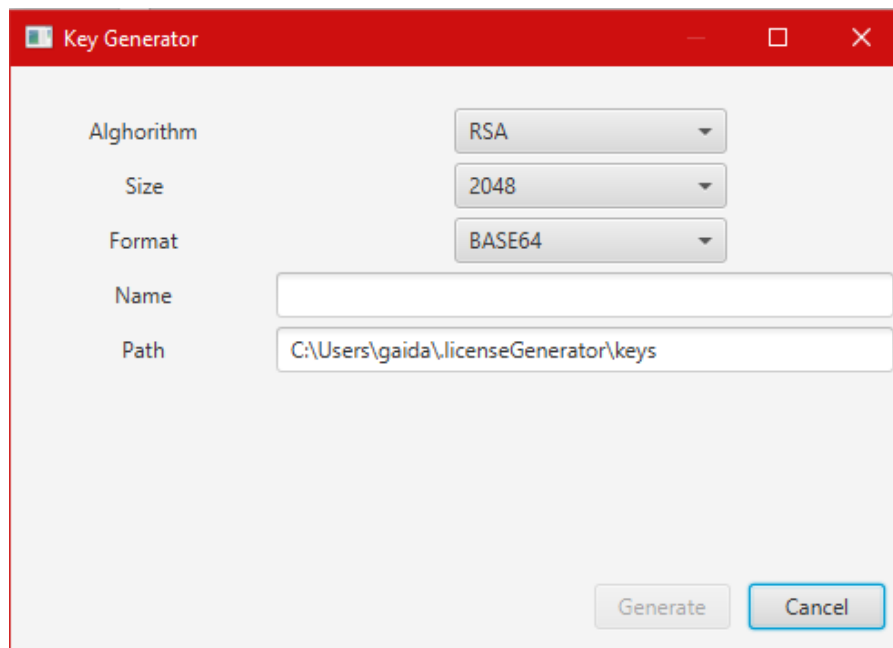
2. Edit
  - a. **Show Dump Public key** – used to show the dump public key for the selected key
  - b. **Save Dump Public key** – used to save the dump public key on the PC
  - c. **Delete key** – used to delete a key (deleted keys can't be restored )





## License Generation

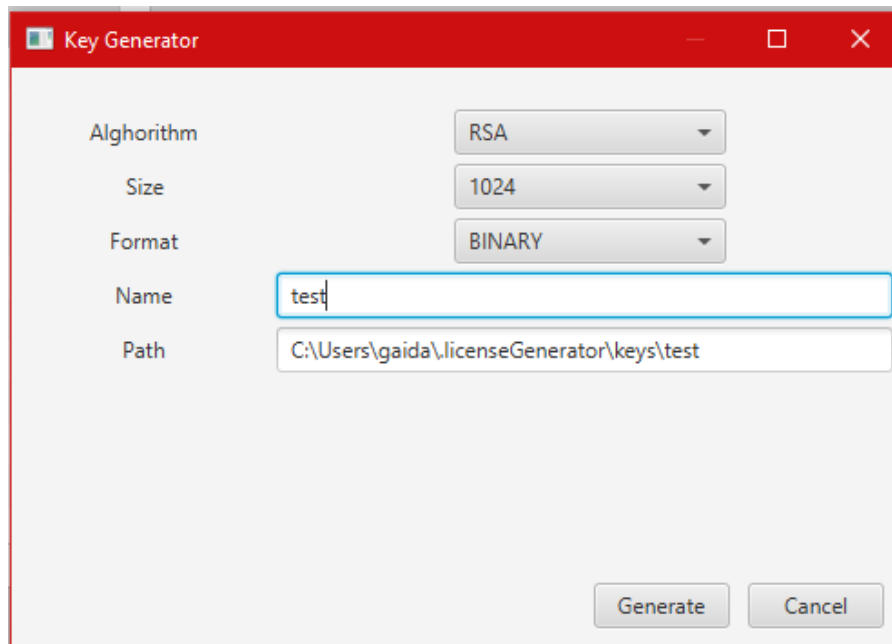
1. Create a key
  - a. File -> New Key



*Figure 2: New key panel*

- b. Select the encryption algorithm
    - c. Select the size of the key
    - d. Select the format in which the key will be stored
    - e. Name the key. **In Path will be shown the path for the new key.**

f. **Generate**



The image shows a 'Key Generator' dialog box with a red title bar. It contains several input fields and buttons. The 'Algorithm' dropdown is set to 'RSA', 'Size' to '1024', and 'Format' to 'BINARY'. The 'Name' text box contains 'test' and is highlighted with a blue border. The 'Path' text box contains 'C:\Users\gaida\licenseGenerator\keys\test'. At the bottom right, there are 'Generate' and 'Cancel' buttons.

Algorithm	RSA
Size	1024
Format	BINARY
Name	test
Path	C:\Users\gaida\licenseGenerator\keys\test

Generate Cancel

2. Generate the license

a. Write or upload a valid license

```
edition=Demo
email=support@demo.com
company=Test Company
application=MyApp
releaseVersion=0.1
expiryDate:DATE=2020-08-30
releaseDate:DATE=2019-02-20
clients:INT=10
status=ACTIVE
signatureDigest=SHA-256
```

b. Select a hash algorithm (SHA-256, SHA-512) for choice box

c. **Generate**

License generator

File Edit Help

test
------

edition=Demo  
 email=support@demo.com  
 company=Test Company  
 application=MyApp  
 releaseVersion=0.1  
 expiryDate:DATE=2020-08-30  
 releaseDate:DATE=2019-02-20  
 clients:INT=10  
 status=ACTIVE  
 signatureDigest=SHA-256

Upload

SHA-256

Generate

UploadL

Verify

Save

```

Ic5OXgAAABwAAAAACAAACwAAAAVhcHBsaWNhdGlvbk15QXBwAAAAEwAAAAUAAAAHY2xpZW50cwAAAAoAAAA
fAAAAAgAAAAcAAAAAMY29tcGFueVRlc3QgQ29tcGFueQAAABcAAAAACAAABwAAAAARIZGI0aW9uRGVtbwAAACEAA
AACAAAAAQAAABBIbWFpbHN1cHBvcnRAZGVtb5jb20AAAAaAAACwAAAApleHBpcnIEYXRIAAABdDwFFIAAAAEcA
AAAAQAAABAAAAEAbGJjZW5zZVNpZ25hdHVyZca3qAXy+clFVS0J+pd8Oy5e76mO5q+mTCKWDEOeq5J5PZexUDA8
UmHy169J3XiC42jmA/jcs1enlf63j5a0zZDePHvm5DZQSLdk3jMgmDB+T7rZj07SOKLUV0SGt+67Szwv8CdtC4dr5PIEN9
khpJZ9ahTBNbHLo1AnyATGn1WJGdYWL7DAaDTF8or5nxVGDtw5IRutikUNouY9vE0KNe/s4udlo/mKCHuqQRTcYnj7H
qdTC6Gxo7f5MmUesUmlziPAKIH6QLYFPzx1efs36/QSdhtjxtjiQdRlxKOCtVVr2KZdn4PaLyFvrQ4qN7ILGeePKP1h9iZcV
P8vZHyZLUAAAAbAAACwAAAAtyZWxIYXNIRGF0ZQAAAWkHxcAAAAAHQAAAAIAAAAOAAAAA3JlbGVhc2VWZXJz
aW9uMC4xAAAAInAAAAIAAAAPAAAR3NnZ25hdHVvZlJIRnZ2VzdFNlQSOvNTYAAAAAYAAAAAaAAAYAAAAAGr3Rhd
  
```

d. **Save** the license to a file (Available formats are .bin, .base64, .txt)

### 3. Verify the license

the license can be uploaded with **UploadL** Button

- Select a key.
- Click **Verify** – if the license is generated with the selected key, then it will cover in green, if not then in red