

# **Emacs-Shroud Reference Manual**

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A User's Guide for Emacs-Shroud Password Manager

**The Emacs-Shroud Developers**

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Edition 1.1  
December 2019

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# Emacs-Shroud

Shroud is a password manager written in Guile which uses GnuPG in the backend. See Shroud's website at this link. (<https://dthompson.us/projects/shroud.html>) This package is an Emacs interface to Shroud using the Buffers User Interface (<https://github.com/alezost/bui.el>) library.

Shroud stores secrets as a plain text encrypted using GnuPG. Particularly, in Lisp's S-expressions, in a form of associaton lists. This provides the dual benefit that, the file is trivial to parse by machine, yet at the same time, is perfectly readable/editable by a human.

You can view, copy and edit secrets from Emacs.

This manual describes how to use Emacs-Shroud and some of the ways to customise it; it corresponds to the Emacs-Shroud version 1.1.

For information on the extension language for Emacs-Shroud, see **guile**.

For information on Emacs text-editor, see **emacs**.

This is the Emacs-Shroud User Manual for the Emacs-Shroud password manager, 1.1.  
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Get the latest source code using git from Nongnu.org

```
git clone https://git.savannah.nongnu.org/cgit/emacs-shroud.git
```

The list of releases are available at <https://download.savannah.nongnu.org/releases/emacs-shroud/>

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## 2 Installation

### 2.1 Install with Guix

If you use the Gnu Guix package manager, then you can easily install Emacs-Shroud with

```
guix package -i emacs-shroud
```

If you want the latest package, clone the source repository

```
git clone https://git.savannah.nongnu.org/cgit/emacs-shroud.git
cd emacs-shroud
guix package -f ./guix.scm
```

### 2.2 from Git

To run from the sources, clone or in any other way download the sources.

```
git clone https://git.savannah.nongnu.org/cgit/emacs-shroud.git
```

Setup Emacs configuration to load the sources, by adding this to your Emacs configs.

```
(push (directory-file-name "/path/to/emacs-shroud/") load-path)
(require 'shroud)
```

### 2.3 From Melpa Package Repository

The easiest way to install is to use Melpa at <https://melpa.org/#/>, and just type this inside Emacs.

```
M-x package-install RET shroud RET
```

## 3 Configuration

Shroud, the CLI application which is not included in this package, but can be installed separately has some defaults where it looks for the configuration files and secrets-file. It's configuration can be changed in the '\$HOME/.shroud' file. The default secrets file is stored in '\$HOME/.config/shroud/db.gpg'.

You can edit '\$HOME/.shroud' to modify Shroud's behaviour.

Emacs-shroud can be configured to use the same defaults as Shroud CLI implementation.

```
(require 'shroud)
(setq shroud-el--database-file "~/config/shroud/db.gpg")
(setq shroud-el--config-file "~/shroud")
(setq shroud-el--gpg-key "user@example.com")
```

If no usable GnuPG key is set neither one is found in the configuration file, Shroud may prompt you to choose a key each time you edit the secrets file.

To initialize Shroud, add this to your configuration file.

```
(shroud--init)
```

If no executable is found for Shroud CLI then the program will setup automatically to use Elisp implementation only. You can choose to use the Elisp implementation exclusively with this in your Emacs configuration.

```
(setq shroud-executable nil)
(shroud--init)
```

Or you can use the Emacs's Customise feature:

```
M-x customize-group shroud
```

### 3.1 Sample Shroud Config

By default it's stored in '~/.shroud'

The config expects an alist that at the very least contains a symbol 'user-id' associated to a valid GnuPG key.

```
'((user-id . "user@example.com"))
```

### 3.2 Sample Shroud Secrets File

By default it's stored in '~/.config/shroud/db.gpg'

Though you can add as many fields as you'd like to the 'contents' section, please be wary to use 'password' and 'username' fields, spelled exactly so. You can always add extra fields for example 'notes', or 'comments' but the included Interfaces only support a few given fields 'url', 'username', and 'password'.

```
; -*- epa-file-encrypt-to: ("user@example.com") -*-
(((id . "user01")
  (contents ("password" . "hackme") ("username" . "please"))))
((id . "user02")
  (contents ("password" . "1337") ("username" . "133t") ("url" . "abc.xyz"))))
```

## 4 Usage

There are two user-facing interfaces included with this package, A Buffers User Interface accessible with

`M-x shroud-bui`

If you'd like to bind it to a keyboard shortcut, add this to the Emacs configuration file.

```
(global-set-key (kbd "C-c p") 'shroud-bui)
```

Keybinds for the Buffers Interface:

<b>Key</b>	<b>Action</b>
"c"	Copy password
"d"	Delete entry
"e"	Edit entry at point
"a"	Add new entry
"w"	Copy url
"I"	Copy username
"g"	Refresh buffer

There is also a less intrusive and a minimal Minibuffer interface:

`M-x shroud`



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Version 3, 29 June 2007

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