

Unlock_KDE_Wallet_automatically_on_login

KDE Wallet

[KDE Wallet Manager](#) is a tool to manage the passwords on your KDE Plasma system. By using the KWallet subsystem it not only allows you to keep your own secrets but also to access and manage the passwords of every application that integrates with KWallet.

Contents

- [1 Unlock KDE Wallet automatically on login](#)
- [2 Using the KDE Wallet to store ssh keys](#)
- [3 KDE Wallet for Firefox](#)
- [4 KDE Wallet for Chromium](#)
- [5 See also](#)

Unlock KDE Wallet automatically on login

If your KWallet password is the same as your username password, you can unlock your wallet automatically on login.

For **Plasma 4**, install the [pam_kwallet-git^{AUR}](#).

Then edit `/etc/pam.d/kde` and add the two lines under their corresponding sections:

```
auth          optional    pam_kwallet.so kdehome=.kde4
session       optional    pam_kwallet.so
```

Example `/etc/pam.d/kde`

```
-----
#%PAM-1.0
auth          include     system-login
auth          optional    pam_kwallet.so kdehome=.kde4

account       include     system-login

password     include     system-login

session      include     system-login
session      optional    pam_kwallet.so
```

KDE

For **Plasma 5**, install [kwallet-pam](#) package. Then edit your login manager pam file and add the two lines under their corresponding sections:

```
-auth          optional      pam_kwallet5.so
-session       optional      pam_kwallet5.so auto_start
```

For [LightDM](#), for example, edit lightdm and lightdm-greeter files:

Example /etc/pam.d/lightdm

```
-----
#%PAM-1.0
auth          include      system-login
-auth         optional     pam_kwallet5.so

account       include      system-login

password      include      system-login

session       include      system-login
-session      optional     pam_kwallet5.so auto_start
```

For [SDDM](#), just edit the sddm file like this to get both kwallet4 and kwallet5 to auto-unlock:

Example /etc/pam.d/sddm

```
-----
auth          include      system-login
auth          optional     pam_kwallet5.so
auth          optional     pam_kwallet.so kdehome=.kde4
account       include      system-login
password      include      system-login
session       include      system-login
session       optional     pam_kwallet5.so auto_start
session       optional     pam_kwallet.so
```

After restarting your wallet should unlock automatically if your user password is the same as your KWallet password and you use a login manager like KDM.

Note: Currently, pam_kwallet-git / kwallet-pam has at least two limitations: first, it's not compatible with [GnuPG](#) keys, so KDE Wallet must use the standard blowfish encryption. Also, the wallet name must be "kdewallet" (that's the default name). If, for some reason, you create a new wallet, you need to use this name (so you will probably need to rename the old wallet too).

Using the KDE Wallet to store ssh keys

First, make sure that you have an [SSH agent](#) running. For instructions on how to start and stop ssh-agent on login and logout respectively follow [SSH keys#Using KDM](#).

KDE

[Install](#) the [ksshaskpass](#) package.

Note: If you use KDE4 and run into problems due to ksshaskpass connecting to a [second instance of kwallet](#), try installing [ksshaskpass4^{AUR}](#) instead.

The factual accuracy of this article or section is disputed.

Reason: This conflicts with what is written further below. (Discuss in [Talk:KDE Wallet#](#))

Create an autostart file (KDE4: `~/.kde4/Autostart/ssh-add.sh`, KDE Plasma: `~/.config/autostart/ssh-add.sh`) with this content:

```
#!/bin/sh
ssh-add </dev/null
```

This article or section is a candidate for moving to [KDE#Autostarting applications](#).

KDE

Notes: General autostarting instructions belong there (Discuss in [Talk:KDE Wallet#](#))

KDE Plasma no longer processes *.sh startup scripts in the autostart directory. There are two methods to fix this.

Method #1: Move ssh-add.sh to the new autostart-scripts directory

Instead of placing the file in ~/.config/autostart/ssh-add.sh, place it in ~/.config/autostart-scripts/ssh-add.sh.

Method #2: Convert ssh-add.sh to a desktop file

You can also create a startup .desktop file ~/.config/autostart/ssh-add.desktop:

```
[Desktop Entry]
Exec=~/.config/autostart/ssh-add.sh
Icon=system-run
StartupNotify=true
Terminal=false
Type=Application
```

Tip: The above ssh-add.sh script will only add the default key ~/.ssh/id_rsa. Assuming you have different SSH keys named key1, key2, key3 in ~/.ssh/, you may add them automatically on login by changing the above script to:

```
#!/bin/sh
ssh-add $HOME/.ssh/key1 $HOME/.ssh/key2 $HOME/.ssh/key3 </dev/null
```

If you created a desktop file for ssh-add above, reboot. If you created a sh file, make it executable and run it:

Plasma 4

```
$ chmod +x ~/.kde4/Autostart/ssh-add.sh
$ ~/.kde4/Autostart/ssh-add.sh
```

Plasma 5

```
$ chmod +x ~/.config/autostart-scripts/ssh-add.sh
$ ~/.config/autostart-scripts/ssh-add.sh
```

You also have to set the SSH_ASKPASS environment variable in your /etc/profile or ~/.bash_profile:

```
export SSH_ASKPASS="/usr/bin/ksshaskpass"
```

KDE

It will ask for your password and unlock your SSH keys. Upon restart your SSH keys should be unlocked once you give your kwallet password.

To add a new key and store the password with kwallet use the following command

```
$ ssh-add /path/to/new/key </dev/null
```

and append the key to the list of keys in `~/.kde4/Autostart/ssh-add.sh` as explained above to have it unlocked upon providing the kwallet password.

KDE Wallet for Firefox

There is an addon to make Firefox store passwords with [KDE Wallet 5](#) or [KDE Wallet 4](#).

KDE Wallet for Chromium

Chromium has built in wallet integration. To enable it, run Chromium with the `--password-store=kwallet` or `--password-store=detect` argument.

See also

- [Unlocking KWallet with PAM](#)

Source: https://wiki.archlinux.org/index.php/KDE_Wallet#Unlock_KDE_Wallet_automatically_on_login

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