



# KeePass Password Safe

**Conserva le password in un  
luogo sicuro con KeePass**



# Perché abbiamo bisogno di una password “sicura”?

Oggi è necessario effettuare una registrazione praticamente per ogni tipo di servizio/utenza che vogliamo utilizzare (posta elettronica, social network, servizi finanziari, accessi remoti, ...) e siamo costretti a generare continuamente nuove password per accedere in piena sicurezza...

perché tutti usiamo password diverse per servizi diversi... **VERO?!?**



# Criteri di sicurezza della password

Una password si può definire generalmente *sicura* se rispetta questi requisiti:

- Lunghezza minima di 8 caratteri
- Utilizzo promiscuo di caratteri maiuscoli, minuscoli e numeri

L'uso di caratteri speciali (punteggiatura, valuta, lettere accentate...) *aumenta* la complessità della password e la rende *difficile* da ricordare



# KeePass Password Safe

**KeePass** è un software OpenSource, **certificato OSI** (Open Source Initiative, <http://opensource.org>), in grado di gestire le password in tutta sicurezza: le memorizza in un database criptato il cui accesso è bloccato da una master password e/o un file chiave, quindi basta ricordare quest'ultima (*master password*) e/o selezionare il file chiave per sbloccare l'accesso al database, criptato usando gli algoritmi di cifratura migliori e più sicuri attualmente conosciuti (AES e Twofish).

<https://www.keepass.info>



# Perché KeePass?

(alcuni vantaggi)

- E' **OpenSource**
- E' **multiplatforma** (Windows, GNU/Linux, Mac OS X, iOS, Android) e **multilingua**
- E' **disponibile anche in versione *portable***
- **Consente l'autodigitazione (personalizzabile)**
- **Esegue la cancellazione degli appunti**

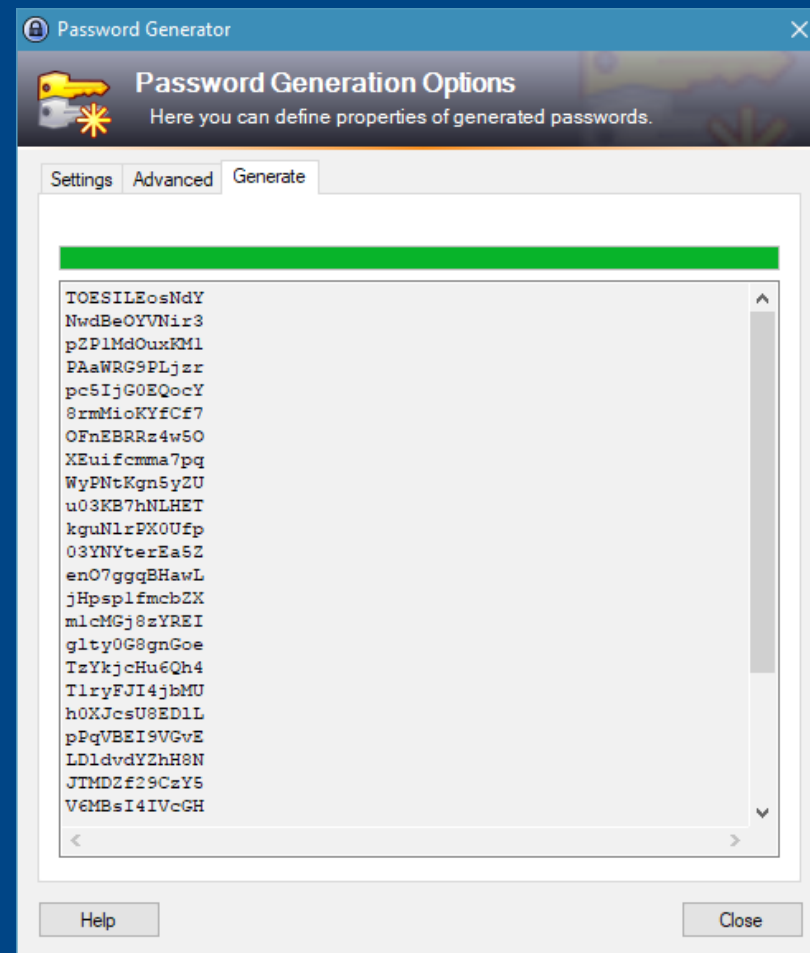
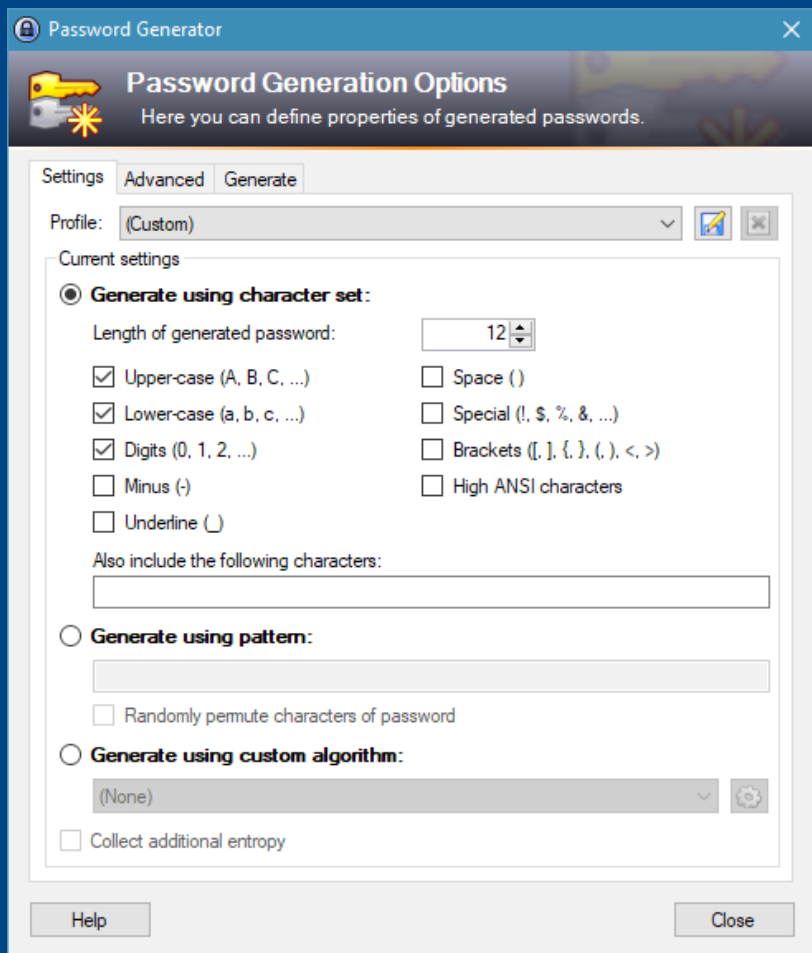


# KeePass come generatore di password sicure

KeePass oltre che a memorizzare le password inserite è in grado anche di generarle rispettando i requisiti di sicurezza che possono essere selezionati per ottenere una combinazione casuale di caratteri da usare come password.



# KeePass come generatore di password sicure





# KeePass, KeePassX, KeePassXC



## KeePass Password Safe



This is the official website of KeePass, the free, open source, light-weight and easy-to-use password manager.

**Home**

- Home & News
- Forums
- Feature List
- Screenshots

**Getting KeePass**

- Downloads
- Translations
- Plugins / Ext.

**Information / WWW**

- Help
- FAQ
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**Support KeePass**

- Donate

**Latest News**

- KeePass 2.37 released**  
2017-10-12 13:16. [Read More >](#)
- KeePass 1.34 released**  
2017-10-05 14:02. [Read More >](#)
- KeePass 2.36 released**  
2017-06-09 13:11. [Read More >](#)
- KeePass 1.33 released**  
2017-06-02 14:09. [Read More >](#)

[\[News Archive\]](#)

**What is KeePass?**  
Today you need to remember many passwords. You need a password for the Windows network logon, your e-mail account, your website's FTP password, online passwords (like website member account), etc. etc. etc. The list is endless. Also, you should use different passwords for each account. Because if you use only one password everywhere and someone gets this password you have a problem... A serious problem. The thief would have access to your e-mail account, website, etc. Unimaginable.

KeePass is a free open source password manager, which helps you to manage your passwords in a secure way. You can put all your passwords in one database, which is locked with one master key or a key file. So you only have to remember one single master password or select the key file to unlock the whole database. The databases are encrypted using the best and most secure encryption algorithms currently known (AES and Twofish). For more information, see the [features page](#).

**Is it really free?**  
Yes, KeePass is really free, and more than that: it is open source (OSI certified). You can have a look at its full source and check whether the encryption algorithms are implemented correctly.

*As a cryptography and computer security expert, I have never understood the current fuss about the open source software movement. In the cryptography world, we consider open source necessary for good security; we have for decades. Public security is always more secure than proprietary security. It's true for cryptographic algorithms, security protocols, and security source code. For us, open source isn't just a business model; it's smart engineering practice.*  
[Bruce Schneier, Crypto-Gram 1999-09-15](#)

[AdChoices](#)
[Update KeePass](#)
[Password Admin](#)
[Password For](#)

**Pleasant**  
Password Server  
with KeePass

**Protect key business assets**  
with award winning multi-user KeePass security

Start Your Free Trial Now!



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KEEPASS

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KeePass is OSI Certified Open Source Software  
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# KeePass, KeePassX, KeePassXC

## Quale versione?

<b>Project</b>	<b>KeePass 1.x</b>	<b>KeePass 2.x</b>
License	Open Source software (GPL)	Open Source software (GPL)
Cost	Free	Free
Active Development	✓	✓
<b>Installation / Portability</b>	<b>KeePass 1.x</b>	<b>KeePass 2.x</b>
Supported Operating Systems	Windows Vista, 7, 8, 10, Wine	Windows Vista, 7, 8, 10, <a href="#">Mono</a> (Linux, Mac OS X, BSD, ...)
Runs Without Installation	✓	✓
Runs From USB Stick	✓	✓
Full Unicode Support	✗	✓
Enhanced High DPI Support	✗	✓
<b>Database Features</b>	<b>KeePass 1.x</b>	<b>KeePass 2.x</b>
<a href="#">Encryption Algorithms</a>	AES/Rijndael, Twofish	AES/Rijndael, ChaCha20 (and with plugins: <a href="#">Twofish</a> , <a href="#">Serpent</a> , <a href="#">GOST</a> , ...)
<a href="#">Prot. Against Dict. Attacks</a>	✓ (AES-KDF)	✓ (AES-KDF, Argon2)
Compression	None	GZip (or none)
Inner Format	Binary	XML

<https://keepass.info/compare.html>



# KeePass, KeePassX, KeePassXC

**Contributed/Unofficial KeePass Ports**

- 7Pass (for Windows Phone 7 / 8.1)
- WinPass (for Windows Phone 7 / 8.1)
- WinKee (for Windows Phone 8.1)
- KeePassDroid (for Android)
- KeePass2Android (for Android)
- KeePassMob (for Android)
- KeepShare (for Android)
- MiniKeePass (for iPhone / iPad)
- iKeePass (for iPhone / iPad)
- Passwordix (for iPhone / iPad)
- SyncPass (for iPhone / iPad)
- MyKeePass (for iPhone / iPad)
- PassDrop (for iPhone / iPad)
- KyPass (for iPhone / iPad)
- X KyPass Companion (for Mac OS X)
- MacPass (for Mac OS X)
- CKP (for Chrome, especially Chromebook)
- KeePassPPC & KeePassSD (for PocketPC & Smart Devices)
- KPD (for BlackBerry 10 and PlayBook)
- KeePassB (for BlackBerry 10)
- KeePassBB (for BlackBerry)
- KeePassMobile (for J2ME / mobile phones)
- KeePassJ2ME (for J2ME / mobile phones)
- KeeWeb (for browsers / JavaScript, also offline)
- BrowsePass (for browsers / JavaScript, also offline)
- KeePass4Web (for web servers, serving to front-ends)
- Export to Keyring (for Palm OS)
- KPCLI (command line interface; see also KPScript)
  
- KeePassX (for Linux / Mac OS X)
- KeePassXC (for Linux / Mac OS X)

Note that KeePass 2.x runs under Linux / Mac OS X, too; see [Running KeePass under Mono](#).

**For developers:**

- KeePassJava2 (library for Java)

**Icons:**  
 No trailing icon = compatible with both KeePass 1.x and 2.x; = compatible with KeePass 1.x only; = compatible with KeePass 2.x only.

## KeePassDroid

Brian Pellin Strumenti ★★★★★ 34.053

PEGI 3

L'app è compatibile con tutti i tuoi dispositivi.

[Aggiungi a lista desideri](#) [Installa](#)

KeePassDroid è un'implementazione del gestore password KeePass Password Safe per Android.

## MiniKeePass

By Flush Software, LLC

This app is only available on the App Store for iOS devices.

**Description**

MiniKeePass provides secure password storage on your iOS device that's compatible with KeePass.

– View, Edit, and Create KeePass 1.x and 2.x files

[Flush Software, LLC Web Site](#) [MiniKeePass Support](#) ...More

**What's New in Version 1.7.2**

Bug fixes

This app is designed for both iPhone and iPad  
**Free**  
 Category: Utilities  
 Updated: Oct 04, 2017

**Screenshots**  
 iPhone | iPad

<https://keepass.info/download.html>



# KeePassX o KeePassXC?

## KeePassX

Cross Platform Password Manager

Latest version: 2.0.3


[Forum](#) | [Links](#) | [Testimonials](#)

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### The Official KeePassX Homepage

Just in case you do not know what KeePassX is, here is a short description...

KeePassX is an application for people with extremely high demands on secure personal data management. It has a light interface, is cross platform and published under the terms of the [GNU General Public License](#).



KeePassX saves many different information e.g. user names, passwords, urls, attachments and comments in one single database. For a better management user-defined titles and icons can be specified for each single entry. Furthermore the entries are sorted in groups, which are customizable as well. The integrated search function allows to search in a single group or the complete database. KeePassX offers a little utility for secure password generation. The password generator is very customizable, fast and easy to use. Especially someone who generates passwords frequently will appreciate this feature.

The complete database is always encrypted either with AES (alias Rijndael) or Twofish encryption algorithm using a 256 bit key. Therefore the saved information can be considered as quite safe. KeePassX uses a database format that is compatible with KeePass Password Safe. This makes the use of that application even more favourable.

Originally KeePassX was called KeePass/L for Linux since it was a port of Windows password manager [KeePass Password Safe](#). After KeePass/L became a cross platform application the name was not appropriate anymore and therefore, on 22 March 2006 it has been changed.

#### Latest News

- [KeePassX 2.0.3 released](#)
- [KeePassX 2.0.2 released](#)
- [KeePassX 2.0.1 released](#)
- [KeePassX 0.4.4 Security Update released](#)
- [KeePassX 2.0 has arrived](#)

[Main Page](#) | [Contact](#)

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<https://www.keepassx.org>



# KeePassX o KeePassXC?

The screenshot shows the homepage of the KeePassXC project. At the top, there is a navigation bar with links for 'The Project', 'Screenshots', 'Download', 'Blog', 'Docs / FAQ', and 'The Team'. The main content area has a green background and features a large key icon in a circle. The text reads: 'KeePassXC', 'KeePass Cross-Platform Community Edition', 'The thing computers can do best is storing information. You shouldn't waste your time trying to remember and type your passwords. KeePassXC can store your passwords safely and auto-type them into your everyday websites and applications.' Below this are three buttons: 'Download for Windows', 'Learn More', and 'Donate on Flattr'. The bottom section is white and contains three columns of text, each with an icon and a title: a star for 'Encrypted', a laptop for 'Cross-Platform', and a heart for 'Open Source'. Each column provides a brief description of the feature.

**KeePassXC**  
KeePass Cross-Platform Community Edition

The thing computers can do best is storing information. You shouldn't waste your time trying to remember and type your passwords. KeePassXC can store your passwords safely and auto-type them into your everyday websites and applications.

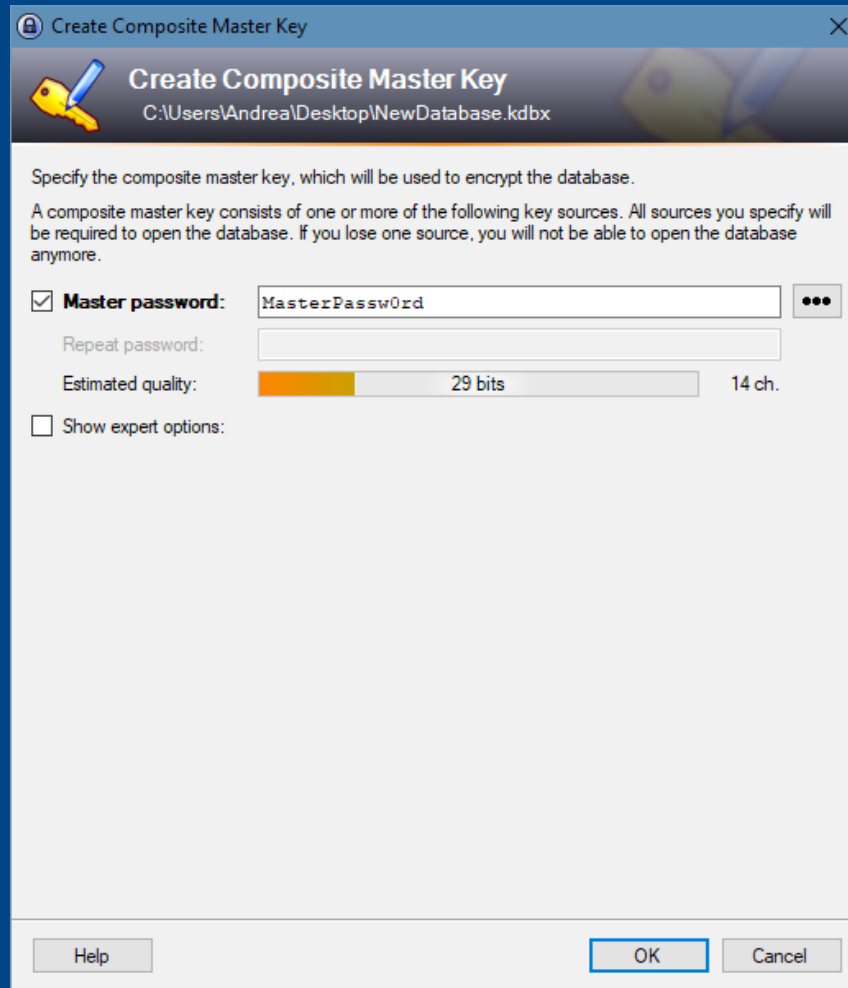
[Download for Windows](#) [Learn More](#) [Donate on Flattr](#)

- \* Encrypted**  
The complete database is always encrypted with the industry-standard AES (alias Rijndael) encryption algorithm using a 256 bit key. KeePassXC uses a database format that is compatible with KeePass Password Safe. Your wallet works offline and requires no Internet connection.
- 📁 Cross-Platform**  
KeePassXC is a community fork of KeePassX, the cross-platform port of KeePass for Windows. Every feature works cross-platform and was thoroughly tested on multiple systems to provide users with the same look and feel on every supported operating system. This includes the beloved Auto-Type feature.
- ❤️ Open Source**  
The full source code is published under the terms of the GNU General Public License. We see open source as a vital prerequisite for any security-critical software product. For that reason, KeePassXC is and always will be free as in freedom (and in beer). Contributions by everyone are welcome!

<https://keepassxc.org>



# KeePass: nuovo DB, impostazione Master password





# KeePass: nuovo DB

Create New Database - Step 3

## Database Settings

Here you can configure various database settings.

General Security Compression Recycle Bin Advanced

Database name:

Database description:

Default user name for new entries:

Custom database color:

Help OK Cancel

Create New Database - Step 3

## Database Settings

Here you can configure various database settings.

General Security Compression Recycle Bin Advanced

On this page you can configure file-level security settings.

Encryption

Database file encryption algorithm:

Key transformation

The composite master key is transformed using a key derivation function. This adds a work factor and makes dictionary and guessing attacks harder.

Key derivation function:

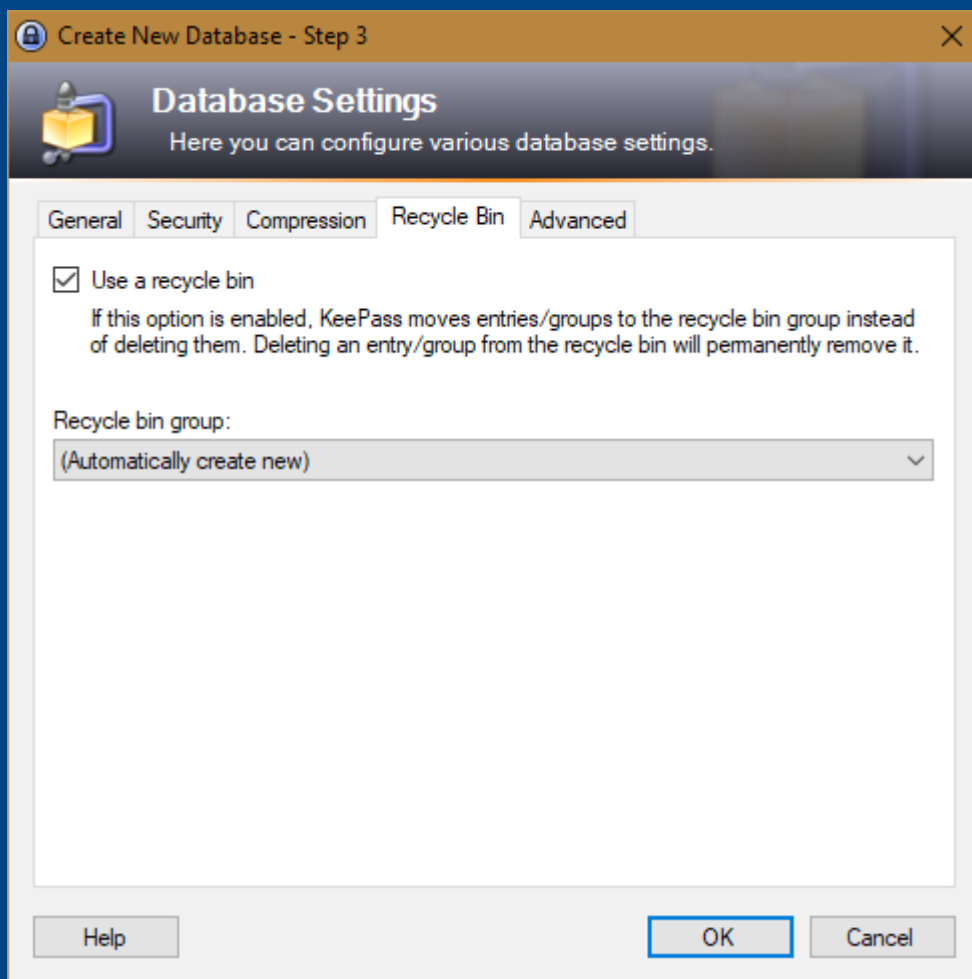
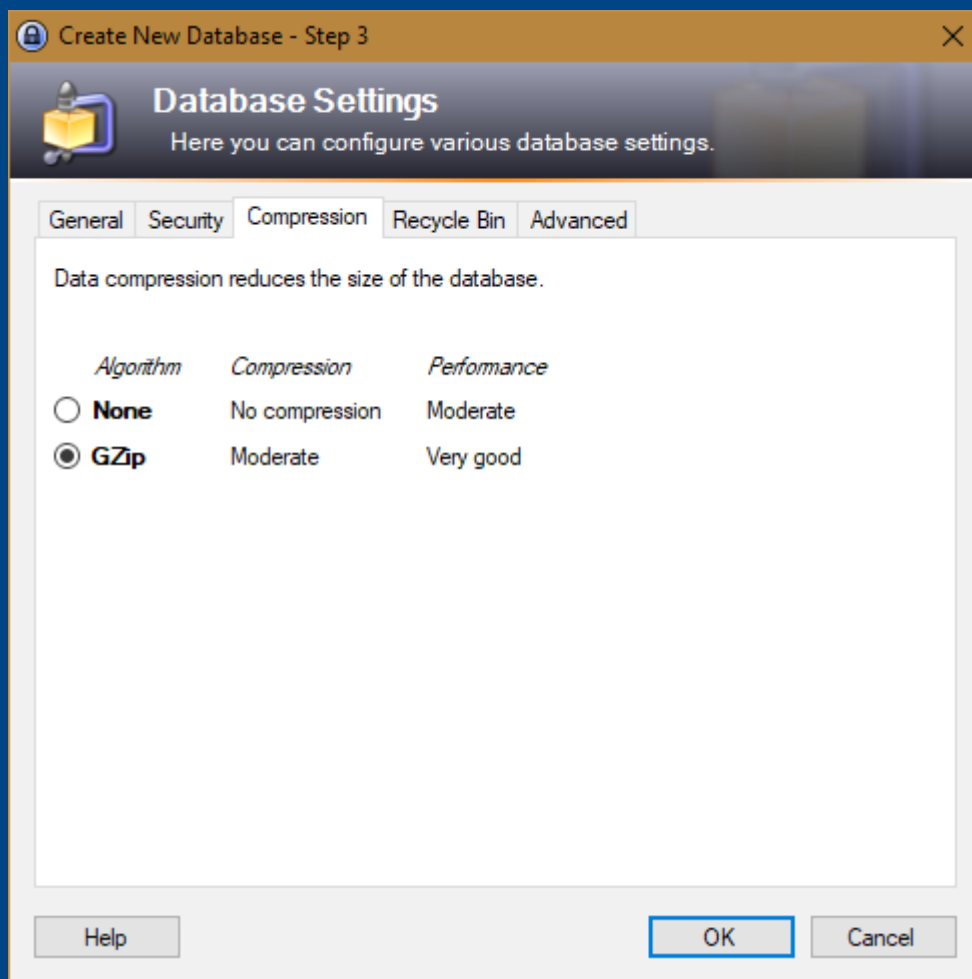
Iterations:

The more iterations, the harder are dictionary and guessing attacks, but also database loading/saving takes more time.

Help OK Cancel

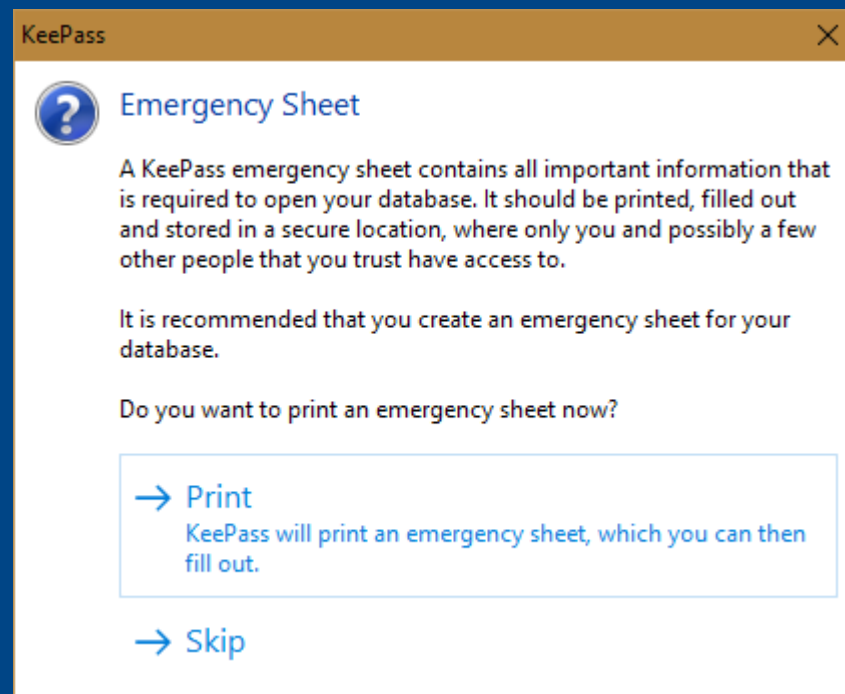
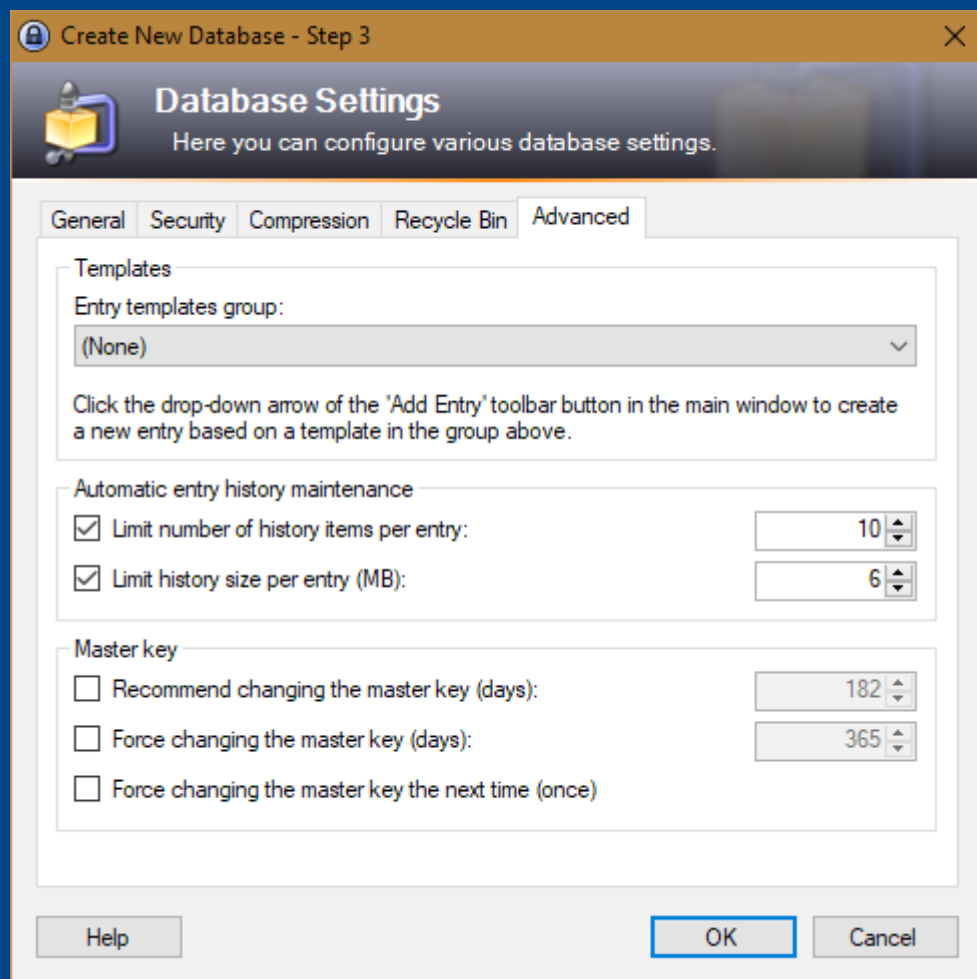


# KeePass: nuovo DB





# KeePass: nuovo DB







# KeePass in azione

The screenshot displays the KeePass application window titled "NewDatabase.kdbx\* - KeePass". The interface includes a menu bar (File, Edit, View, Tools, Help), a toolbar, and a sidebar with a tree view showing the database structure: "NewDatabase" (expanded) containing "General", "Windows", "Network", "Internet", "eMail", and "Homebanking".

The main area shows a table of entries:

Title	User Name	Password	URL	Notes
Sample Entry	User Name	*****	https://keepass.info/	Notes
Sample Entry #2	Michael321	*****	https://keepass.info/help/kb/testform.ht...	

An "Edit Entry" dialog box is open, showing the details for "Sample Entry". The dialog has tabs for "Entry", "Advanced", "Properties", "Auto-Type", and "History". The "Entry" tab is active, showing fields for Title, User name, Password, Repeat, Quality (14 bits, 8 ch.), URL, and Notes. The "Expires" checkbox is unchecked, and the expiration date is set to 28/10/2017 00:00:00. The dialog also includes a "Tools" button and "OK" and "Cancel" buttons.

At the bottom of the KeePass window, the status bar shows "1 of 2 selected" and "Ready.".



# KeePass in azione, auto-type

The screenshot shows the KeePass application window titled 'NewDatabase.kdbx\* - KeePass'. The main window displays a list of entries in a table:

Title	User Name	Password	URL	Notes
Sample Entry	User Name	*****	https://keepass.info/	Notes
Sample Entry #2	Michael321	*****	https://keepass.info/help/kb/testform.ht...	

An 'Edit Entry' dialog box is open, showing the 'Auto-Type' tab. The dialog contains the following options:

- Enable auto-type for this entry
- Inherit default auto-type sequence from group
- Override default sequence:
- Use custom sequences for specific windows:
 

Target Window	Sequence
*Test Form - KeePass*	(Default)
- Two-channel auto-type obfuscation [What is this?](#)

At the bottom of the dialog are 'Tools', 'OK', and 'Cancel' buttons.

The status bar at the bottom of the KeePass window shows '1 of 2 selected' and 'Ready.'.



# Domande?

# Tutto chiaro?

Per ulteriori informazioni ci trovi su:

Web: <https://www.latalug.it>

Telegram: [@latalug](https://t.me/latalug) (oppure <https://telegram.me/latalug>)

