

Q4

Passwords are a set of strings provided by users at the authentication prompts of web accounts. Although passwords still remain as one of the most secure methods of authentication available to date they are subjected to a number of security threats, when mishandled. The role of password management comes in handy there password management is a set of principles and best practices to be followed by users while storing and managing passwords in an efficient manner to secure passwords as much as they can to prevent unauthorized access.

1) Keepass Key pass is free and open source password management software which helps you in storing passwords in a single database, accessible using a master password. — The password database is encrypted using highly secure encryption Shivani

algorithm known as AES and Twofish.

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Key features -

1. Includes highly secure password edit controls
2. One master password can decrypt the entire data base.
3. The entire database of passwords can be exported to different formats like HTML, XML, CSV etc.

2) Passbolt - Passbolt is one of the best open source password management software which is self-hosted, highly scalable and open for, based. It has been observed as one of the best password management software built for teams and Dev ops.

Key features: Allows passwords sharing
provides community support

3) Password safe - Password safe is a simple and highly secure password management software which works using MS Windows platform. It also includes a password generator which can create difficult random passwords

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Enhancing security for data.

Key Features

Can encrypt any file using a key derived provided by the user.

9) ~~Enpass~~ Enpass \rightarrow Enpass is a free and open source password management software which is compatible with multiple devices like desktop, mobile, tablet etc.

Key Features

Stores passwords which can be retrieved using a single master password.

Provides seamless browsing experience with its auto-fill functionality.

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