

What is a Password Manager?

And why you may need one?



What is a Password Manager?

It is a software that allows users to generate, store and manage credentials for both local services and online services.

It helps in the creation and retrieval of strong credentials, as well as their storage in an encrypted database or their calculation on software packages that can be installed remotely. Knowing what is a password manager is, why it is useful, and how it works helps users to install the tool as quickly as possible.

How does it work?

The password manager that is installed remotely, also known as desktop-based or offline manager, encrypts and stores credentials on a single machine or device, such as your laptop or smartphone. Your information is saved in an encrypted file to which you can get entrance using your master passphrase.

Are they safe to use?

They are extremely safe to use when it comes to storing your data. Many of the more popular ones employ “zero-expertise” encryption, which prohibits the software’s provider from accessing your data, regardless of whether it is saved within the tool itself.

- A number of services employ army-grade AES 256- encryption to offer the highest level of security. Many also enable authentication as an added layer of security in case your master passphrase is ever discovered.
- A hacker may have to break through all three layers of security to gain access to your password vault account: encrypted records, master passphrase, and safety key. Even the most competent hacker may find it difficult, if not impossible, to crack all three.

Finally, they let you create secure credentials by combining lowercase and uppercase, characters and letters. This feature ensures that all of your credentials are unique and difficult to guess.

How safe is your password?

You may think that your password is strong and safe, the chart below can help in evaluating that.

How Safe Is Your Password?

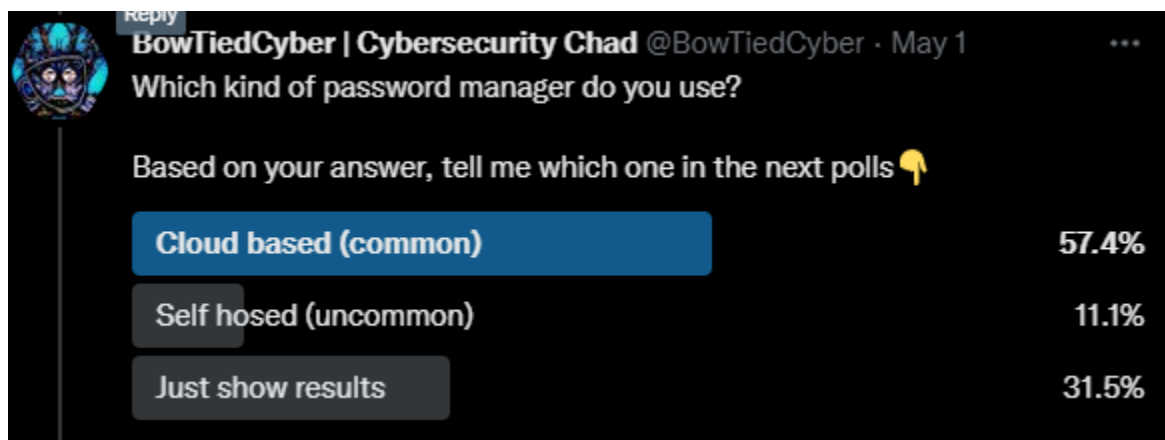
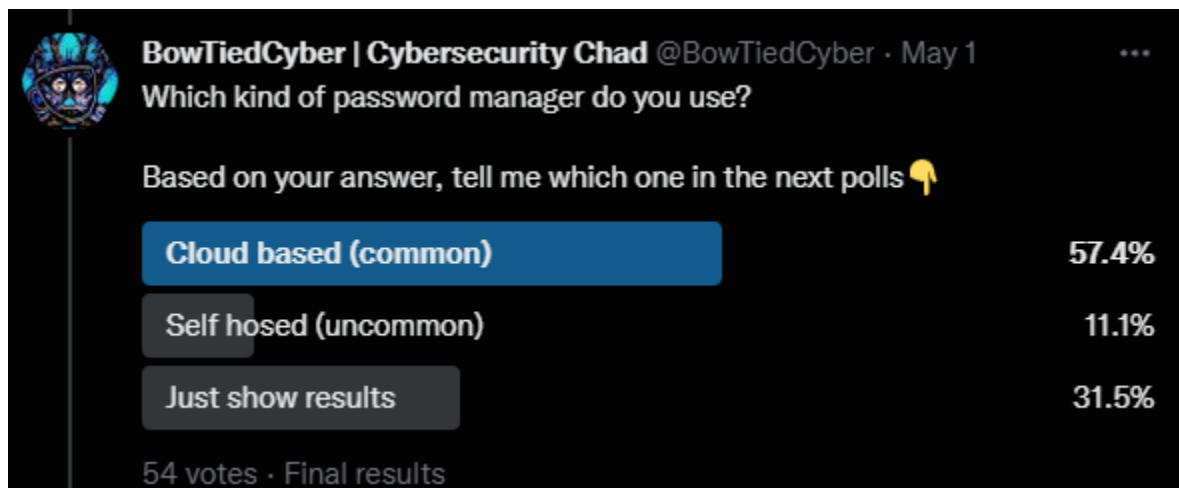
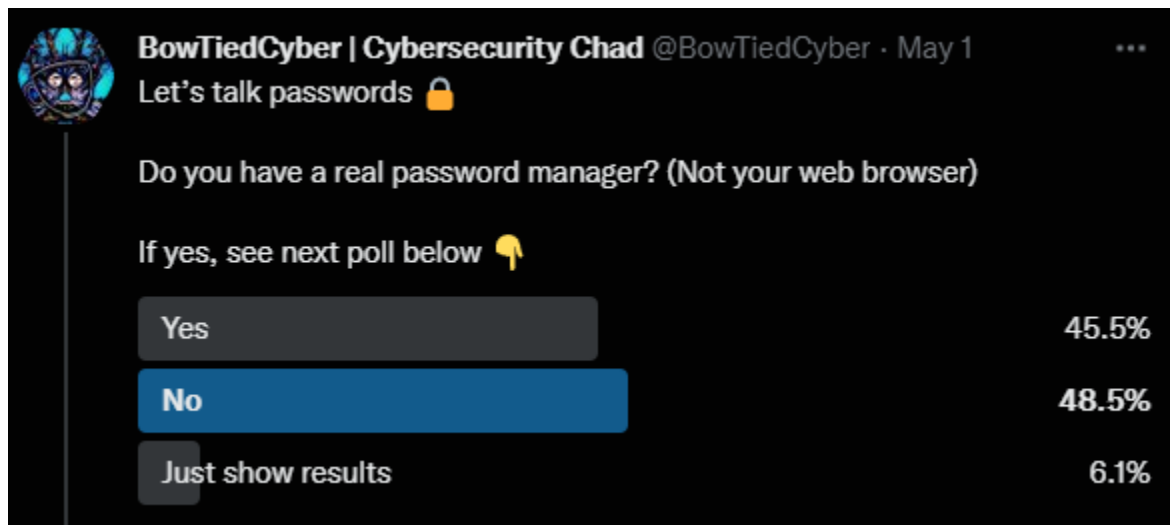
Time it would take a computer to crack a password with the following parameters

	Number of characters			
	Lowercase letters only	At least one lowercase letter	At least one uppercase letter +number	At least one uppercase letter +number+symbol
1	Instantly	Instantly	-	-
2	Instantly	Instantly	Instantly	-
3	Instantly	Instantly	Instantly	Instantly
4	Instantly	Instantly	Instantly	Instantly
5	Instantly	Instantly	Instantly	Instantly
6	Instantly	Instantly	Instantly	Instantly
7	Instantly	Instantly	1 min	6 min
8	Instantly	22 min	1 hrs	8 hrs
9	2 min	19 hrs	3 days	3 wks
10	1 hrs	1 mths	7 mths	5 yrs
11	1 day	5 yrs	41 yrs	400 yrs
12	3 wks	300 yrs	2,000 yrs	34,000 yrs

Source: Security.org



Recent survey from the leading cyber security expert shows an alarming lack of security.



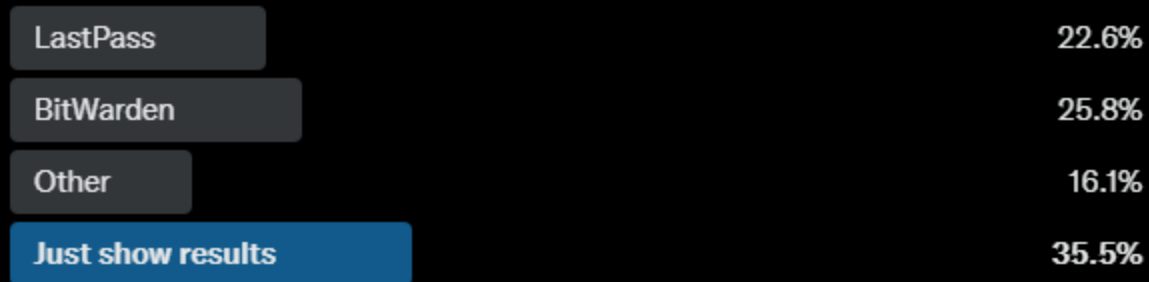


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If your password manager is cloud hosted, which one?

If other, comment below



62 votes · Final results

Final Comments

Get a password manager asap. Using the same password for everything is NGMI.

If your a single individual and dont want too many features I suggest using “LastPass” to get started.

If your a big enterprise/Business I strongly suggest getting started with something like “BitWarden”.

Thanks For Reading, Have A Good Day!!!

