



Password Management Programs

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Passwords are the Keys to the Kingdom



- All websites with your information require some sort of username and password or PIN
- Simple passwords of 7 characters or less can be cracked with “brute force” programs on fast computers. Most websites require a minimum of 8 characters. Some want a number included and possibly a capital letter
- If you use the same password for all websites, and it gets “hacked” you are vulnerable for all of your websites
- Using different passwords for different websites is a “Pain in the A__”.
- Ideally, you would use randomly generated passwords for each website.



Ways to Remember Passwords

- Memorize Them. How good is your memory?
- Write them down in a tablet. Do you remember write them all down even when you change them? Do you remember where you stored the tablet?
- Make a Spreadsheet to record all of your passwords. Keep the spreadsheet on your desktop (you can encrypt it if you wish.)
- Obtain a Password Management Program

Spreadsheet for Passwords



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	Password Master		
Website	Website Address	Username	Password
Amazon	http://www.amazon.com/	philgoff	skinnygirl
Yahoo Mail	http://us.mg205.mail.yahoo.com	elephant@yahoo.com	mammoth1



Password Management Programs

- Keeps a record of your username and password for each website
- Generates new random passwords if you wish
- Fills in the username and password for websites when you visit them
- Stores the information in a secure database or in the cloud
- Some work with multiple devices, i.e. PC, Smartphone, etc.



Password Management Programs

- Many programs available. Most cost money.
- There are 3 free or low cost programs that lead the pack:
 - Roboform
 - LastPass
 - KeePass
- Many others also perform the basic requirements
 - SplashID
 - Kaspersky Password Manager
 - 1Password

Roboform



Comes in Three Versions. All Cost Money

- **Roboform Everywhere** stores information in the cloud so that you can access from everywhere. Cost is \$10/1st yr and \$20/yr thereafter.
- **Roboform Desktop** stores all of your information only on your hard drive and costs \$30 (one time.)
- **Roboform ToGo** allows you to store your info on a Flash Drive and use on other computers. Cost is \$40 (one time.)
- Roboform offers a 30 day free trial.



Roboform

- Fill in a form with username and password for all your websites.
- When you visit that site, you are automatically logged in.



LastPass



- Free program on CNET Downloads
- Most popular free password manager program
- Stores your passwords in the cloud
- Log into your Vault with one Password (don't forget it.)

LastPass



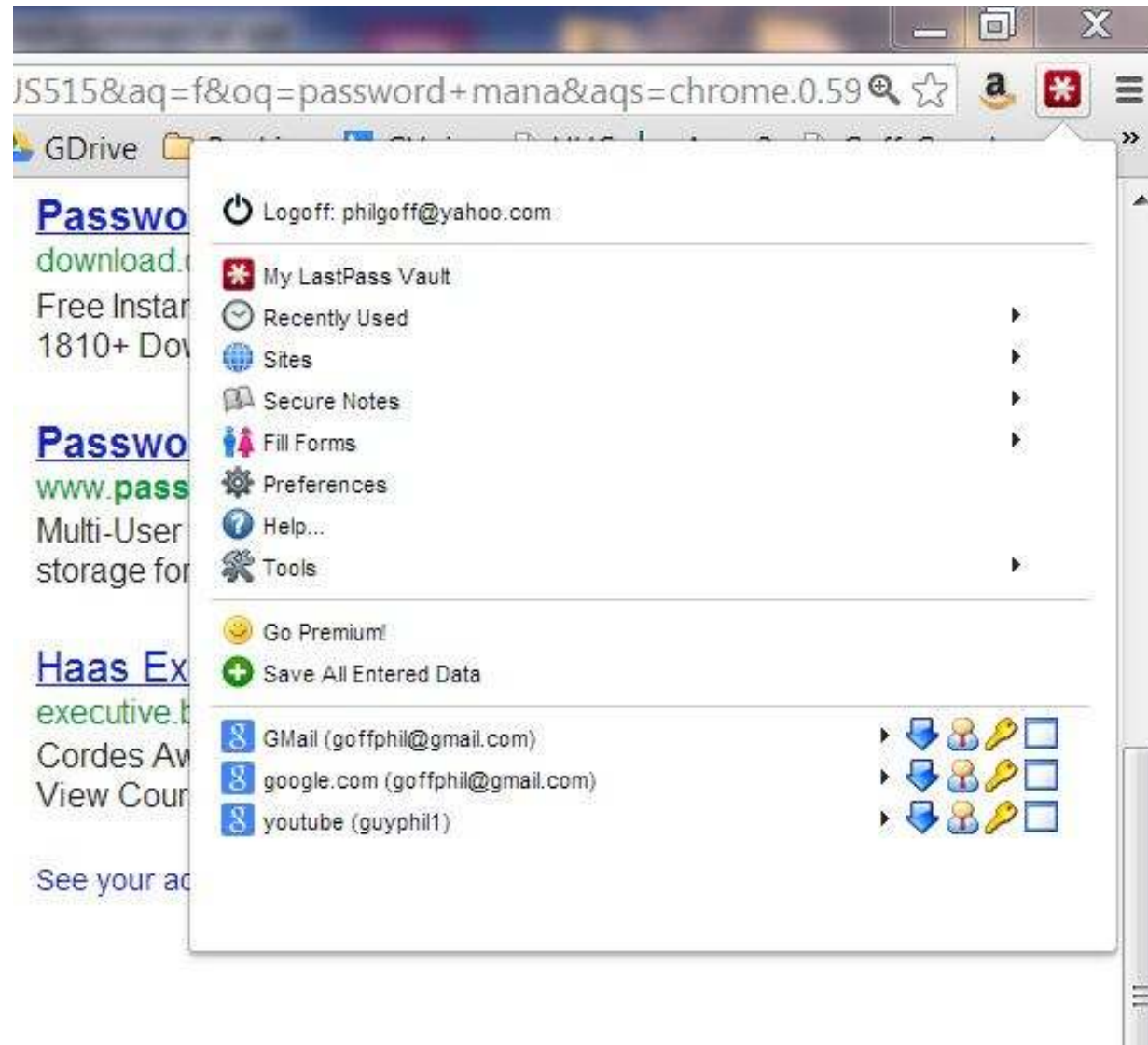
- Your computer stays logged into your vault
- When you click on a website, LastPass enters your username and password
- Fills out forms asking for name, address, etc.
- Will generate random passwords if you wish
- Quite sophisticated and can be confusing at times
- They claim your data is thoroughly encrypted on their server and cannot be hacked.

LastPass



- Attaches to Your Browser
- For Mobile device access, you must purchase the premium version at \$12/year.
- If interested, LastPass has a number of video tutorials at: https://lastpass.com/support_screencasts.php

LastPass



KeePass



- Free open source software
- Usernames and passwords are stored in a Master Data file
- The Master Data file is encrypted with the most secure algorithm
- The Master Data file can be stored on your computer or a flash drive.
- Access the data file with a password (which you must not forget.)

KeePass



- Database fills in usernames and passwords for websites automatically
- Database also fills in forms for address, etc.
- KeePass will generate random passwords at your request
- You can print or export the data in your Master Data file in several different formats.



KeePass

MyDatabase.kdb - KeePass Password Safe

File Edit View Tools Help

Search...

Title	User Name	Password	URL	Notes
Sample #9	Anonymous	*****	google.com	Some Notes
Sample #3...	Anonymous	*		
Sample #37	Anonymous	*		
Sample #40	Anonymous	*		
Sample #43	Anonymous	*		
Sample #46	Anonymous	*		
Sample #51	Anonymous	*		
Sample #54	Anonymous	*		
Sample #56	Anonymous	*		
Sample #60	Anonymous	*		
Sample #75	Anonymous	*		
Sample #82	Anonymous	*		
Sample #84	Anonymous	*		
Sample #92	Anonymous	*		

Group: Network, Title: Sample #9, User Name: Anonymous, Password: *****
19:47:07, Last Modification: 12.10.2007 19:47:07, Last Access: 12.10.2007 19:47:07

Some Notes

Total: 106 groups / 1297 entries 1 of 191 selected Re

- Copy User Name to Clipboard (Ctrl+B)
- Copy Password to Clipboard (Ctrl+C)
- Open URL(s) (Ctrl+U)
- Save Attached File To...
- Perform Auto-Type (Ctrl+V)
- Add Entry... (Ctrl+Y)
- Edit/View Entry... (Ctrl+E)
- Duplicate Entry (Ctrl+K)
- Delete Entry (Ctrl+D)
- Mass Modify (All Selected)...
- Select All (Ctrl+A)
- Find in Database... (Ctrl+F)
- Find in this Group...
- Rearrange



Which Program for Me?

- If you only use one computer and visit few websites, consider a spreadsheet file kept on your computer.
- If you use one computer but visit many different websites with sensitive information
 - Use the free version of LastPass or KeePass
 - Both require a little time to setup.
- If you have more than one device, i.e. laptop, smartphone, tablet, etc.
 - Roboform and Lastpass are equally good but you must purchase the paid versions