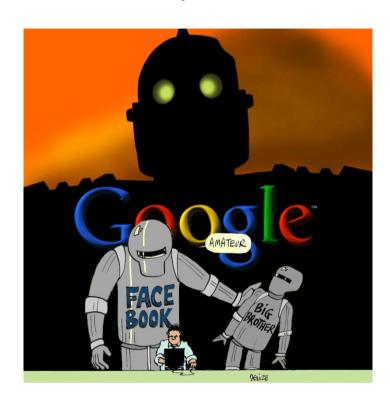
### Privacy, Authentication and Ananomity

nomas D. Wagner



## Privacy



"A state in which one is not observed or disturbed by other people."



"The state of being free from public attention."



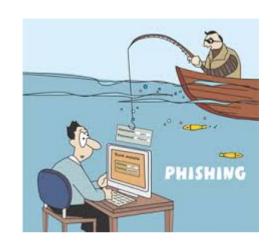
# Privacy Attacks

#### DICTIONARY ATTACK!





**Shoulder Surfing** 



assword Sniffer

Reuse of Passwords

Persuasion

Key Logger

Password embedded in code

Default Passwords

**Brute Force Attack** 





## Secure E-Mail (PKI) VS. Not So Secure E-Mail











**Claws Mail** 









https://protonmail.ch

No advertisers. No governments. No third parties.

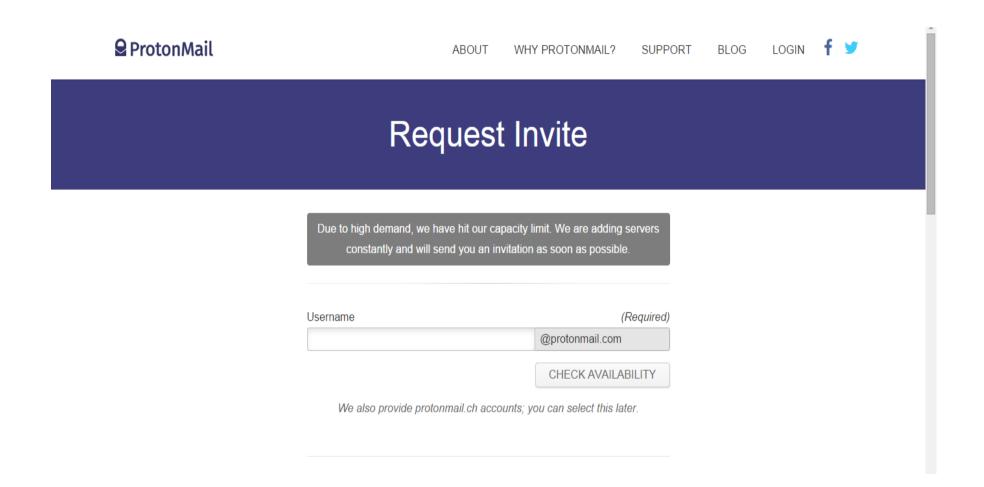
Only you have access to your inbox - this means no advertisers, governments, or third parties gaining access to your data. With ProtonMail, you can ensure private communications stay private.



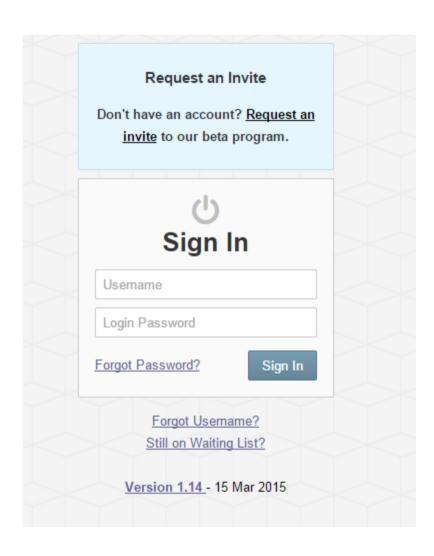


Complexity, Simplified



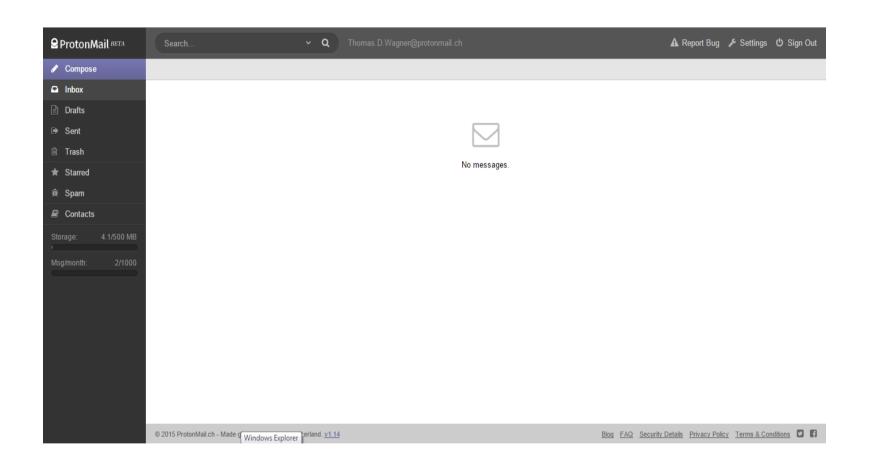




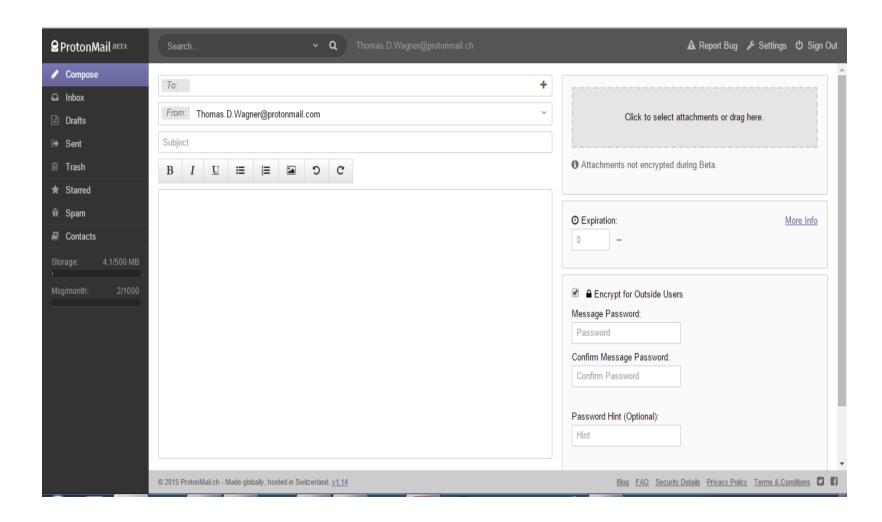














#### ▶ The Password Problem

The Problem of password fatigue and identity overload





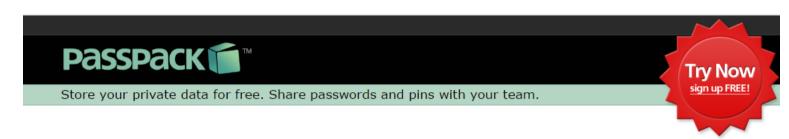
Encrypted password manager

https://www.passpack.com

Register or sign in



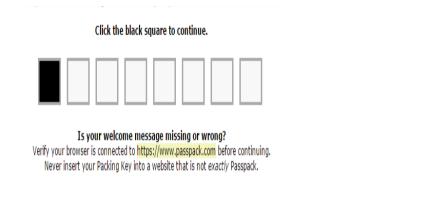
"We call this one the 'Password Manager.'
The vest is made of Post-It notes."





Sign Into Your Acc	count
User ID	
Password	
Remember me [Show virt	ual keyboard]
Sign	n in
Go to Passpack Mobile	<u>e</u>





Insert your Packing Key to view and manage your entries.

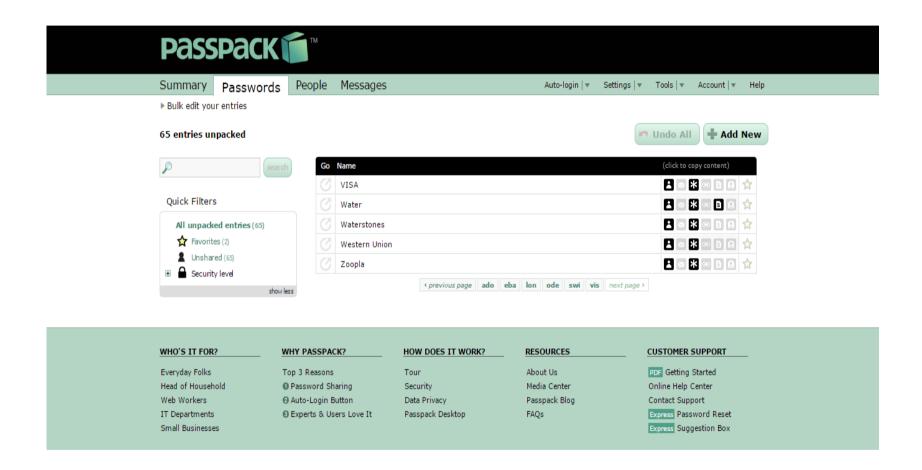
(pasting from a PDF or other program may not work)

Packing Key

[Show virtual keyboard]

Unpack







#### Add new password

Give it a name, e.g. email. User ID. Type in a password or let Passpack suggest one for you. Increase number of characters, choose lower and upper case letters, numbers, special and/or foreign characters.





# Pen Drive Encryption



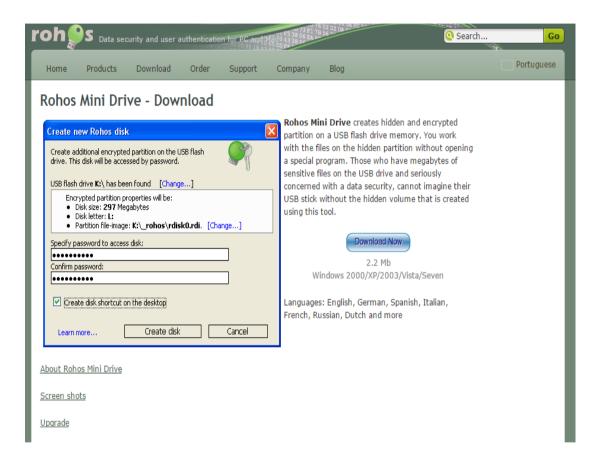




## Rohos Pen Drive Encryption

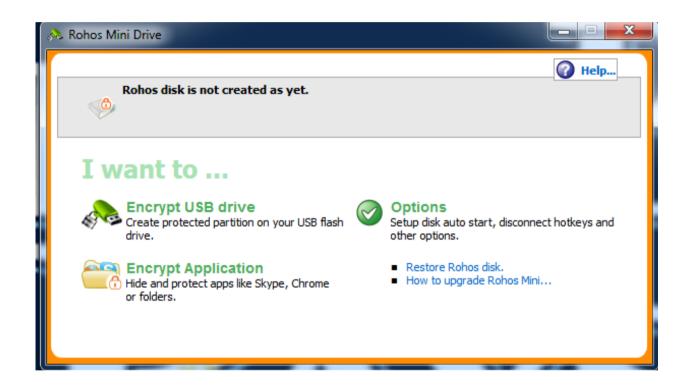
http://www.rohos.com/products/rohos-mini-drive/downloads/

256 bit encryption key length



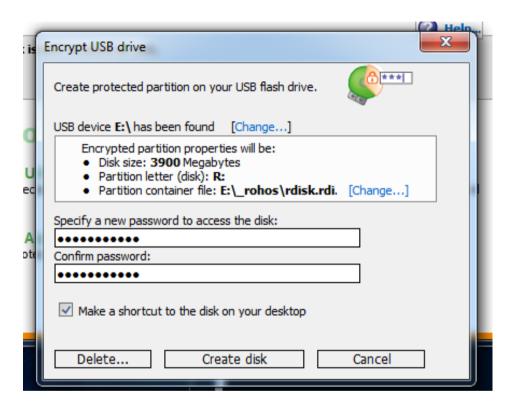


## Rohos Pen Drive Encryption



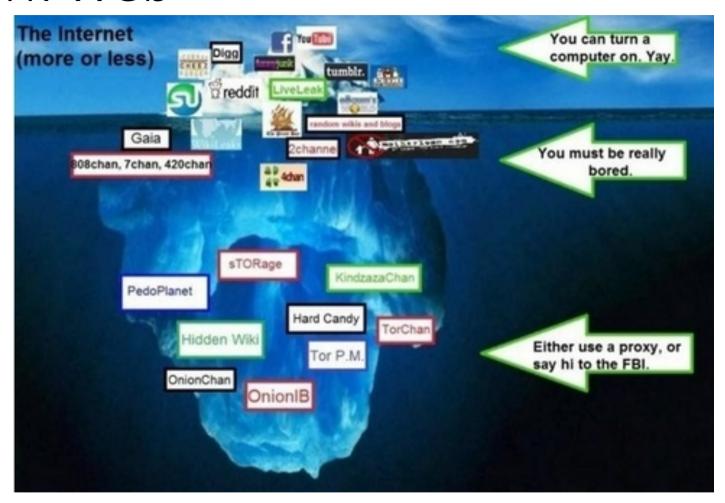


## Rohos Pen Drive Encryption



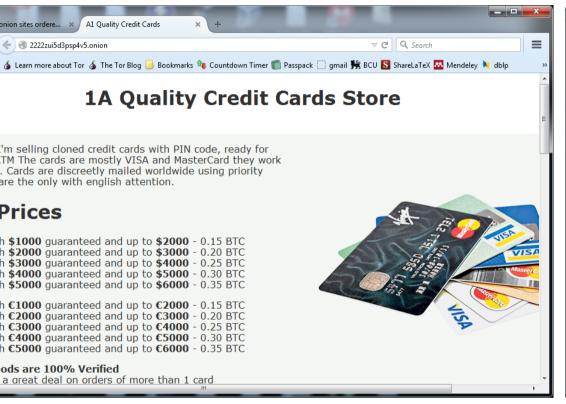


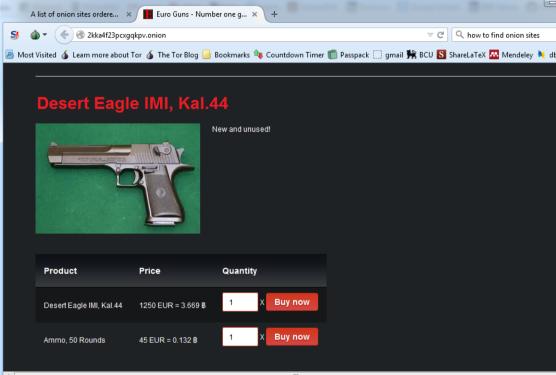
#### Dark Web





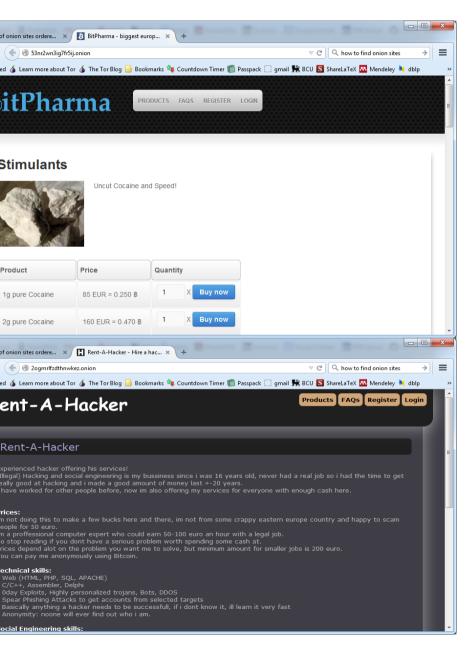
#### Dark Web

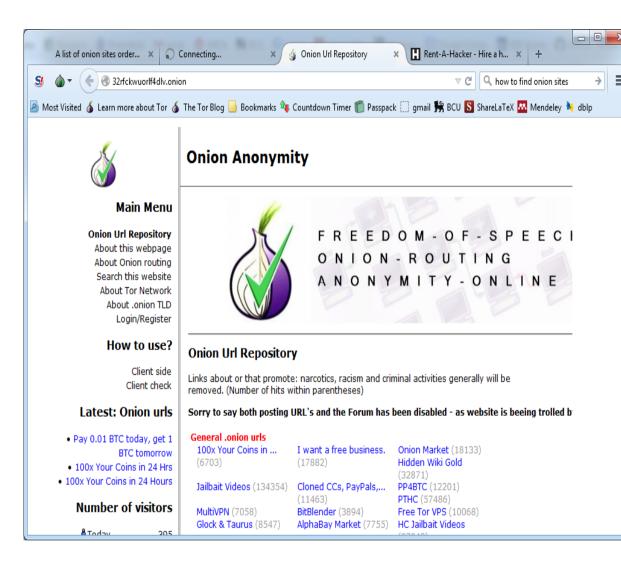






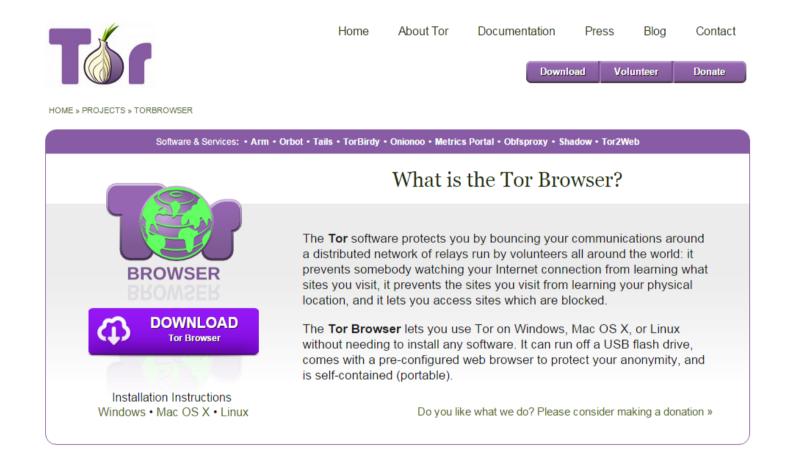
#### Dark Web







#### TOR Web Browser





#### ▶ TOR Web Browser

