# **Passwords**

Strategies related to managing complex password, and other password-related issues.

## **Password managers**

Password managers help you manage your logins. They can store all your user names and passwords, along with login information and other notes. You only need to remember the single master password, instead of the many logins that you use.

## Password-making rules

#### **Cornell NetID**

- . Why do I have to choose a complex password for my NetID? (link to CIT's FAQ)
- https://it.cornell.edu/device-security/strong-passwords-your-computer-netid-and-other-cornell-services

#### Cornell CAC (MS AD's default)

• https://www.cac.cornell.edu/wiki/index.php?title=Rules\_for\_Creating\_Passwords

# Password making tools, tests, advice, and guidance

- http://jpgen.joelwalters.com/
- http://xkcd.com/936/
- http://www.microsoft.com/security/online-privacy/passwords-create.aspx
- http://tidbits.com/article/7626 (pertains to //any// security, not just for wireless security!)
- http://world.std.com/~reinhold/diceware.html
- http://dl.dropbox.com/u/209/zxcvbn/test/index.html
- https://www.grc.com/haystack.htm
- http://en.wikipedia.org/wiki/Password\_strength
- http://arstechnica.com/security/2012/08/passwords-under-assault/4/ (4th "page" of 4-page article)

#### Other

Bruce Schneier: Secure Passwords Keep You Safer, 01.11.07

http://www.wired.com/politics/security/commentary/securitymatters/2007/01/72458

Bruce Schneier: Password Advice, August 10, 2009

http://www.schneier.com/blog/archives/2009/08/password\_advice.html

25-GPU cluster cracks every standard Windows password in <6 hours. Dan Goodin, Dec 9 2012

http://arstechnica.com/security/2012/12/25-gpu-cluster-cracks-every-standard-windows-password-in-6-hours/

#### Password recovery

Also known as password "breaking" or hacking.

http://www.elcomsoft.com/

#### **Password humor**

http://brunching.com/passwordguide.html