

4-3-2 Safer Browsing

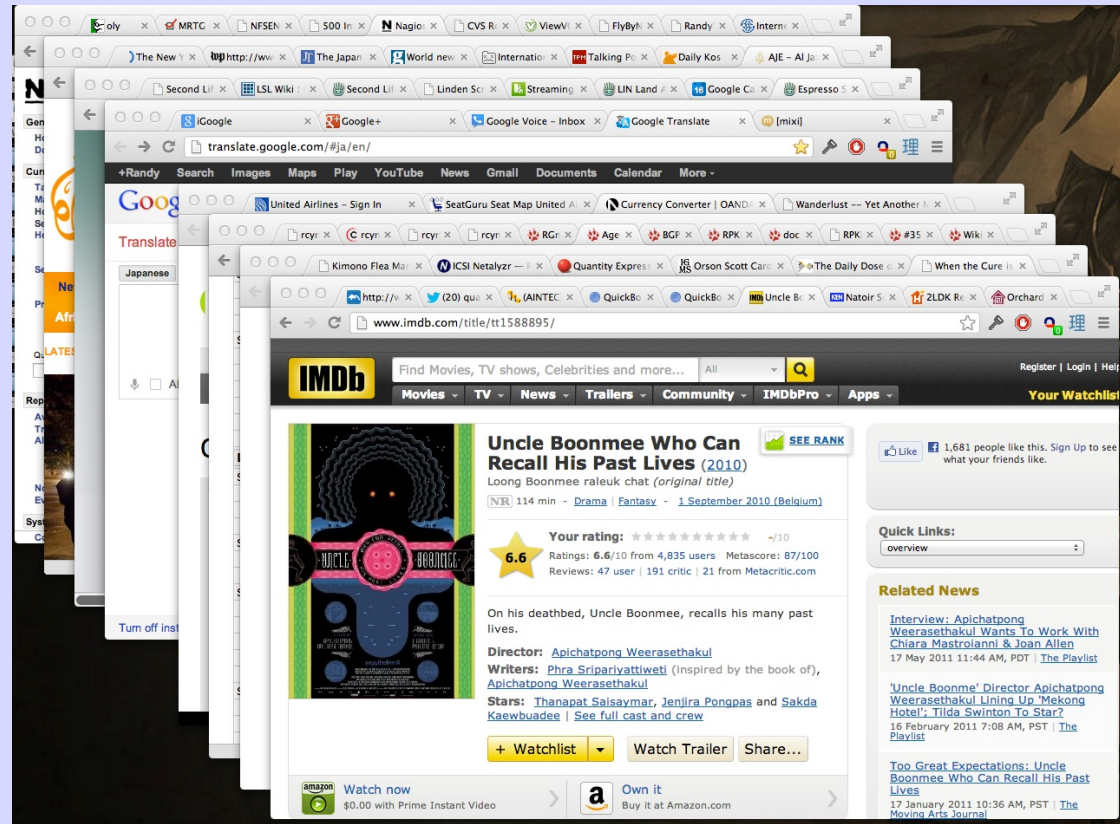
# Internet Explorer

- Long History of Vulnerabilities
- First Target because of Popularity
- Microsoft is Not Always Concerned with Your Privacy
- Closed Source, No One Inspects it
- Does SandBoxing, so Reasonably Safe

# Sometimes I Use Chrome

- Process Isolation per Tab, so scales well

And  
I  
Care!



- But I Worry About Leaking Data to Google

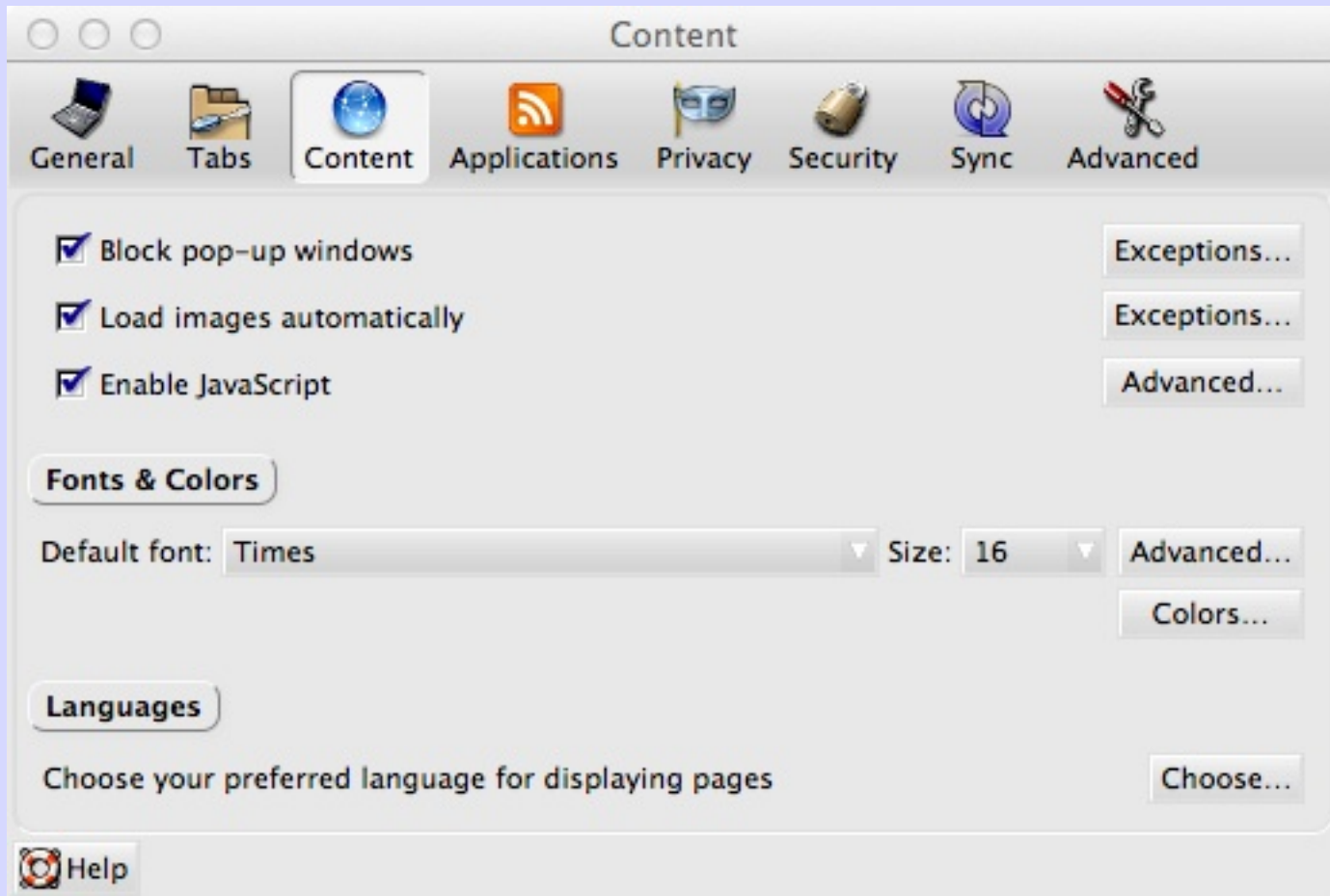
# I Recommend Firefox

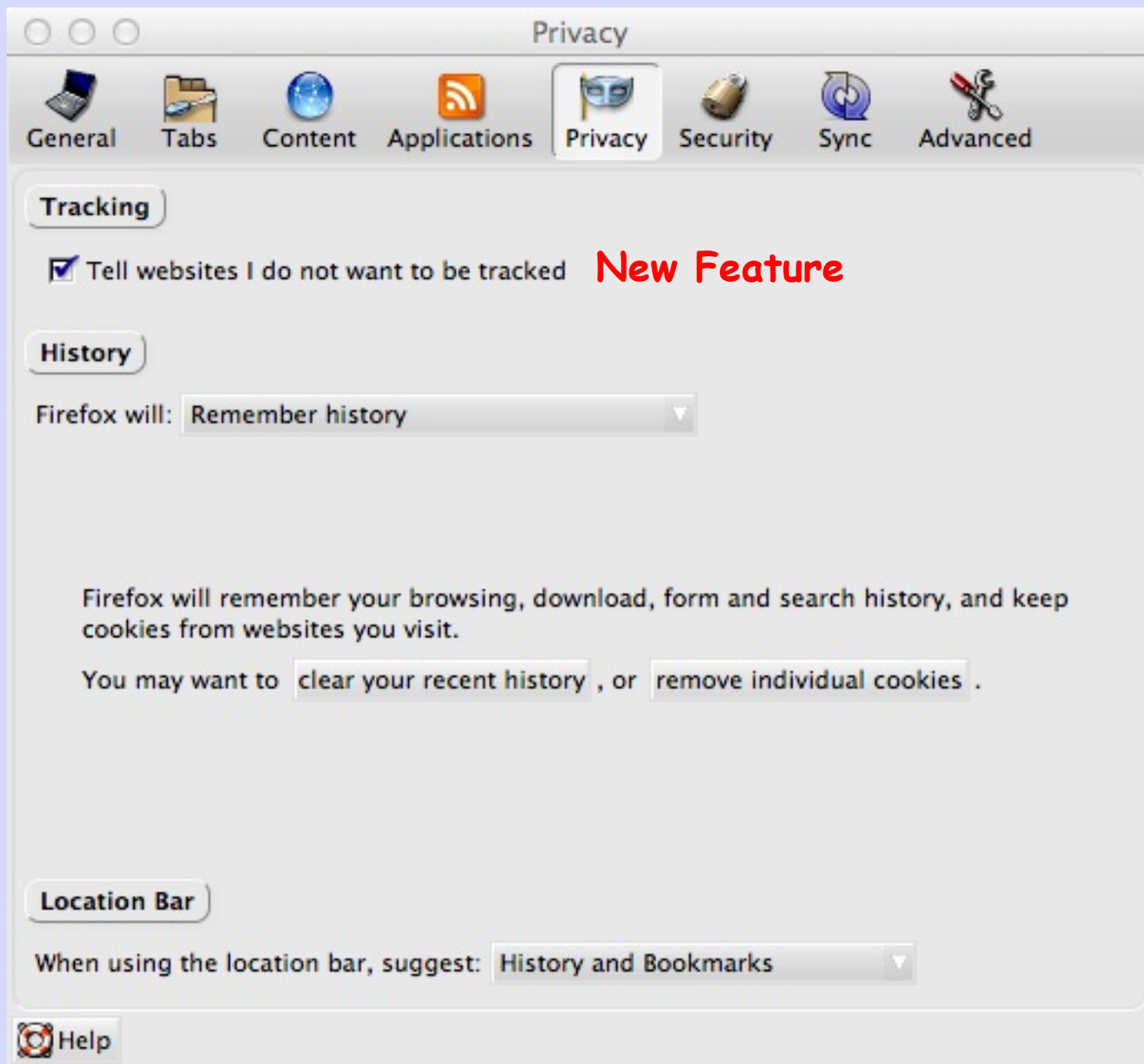
- Free and Open Source (i.e. inspected)
- Standards Compliant, no Proprietary Tricks to Lock You In
- Popular, so has Rich Extension Catalog
- Runs on All Significant Platforms

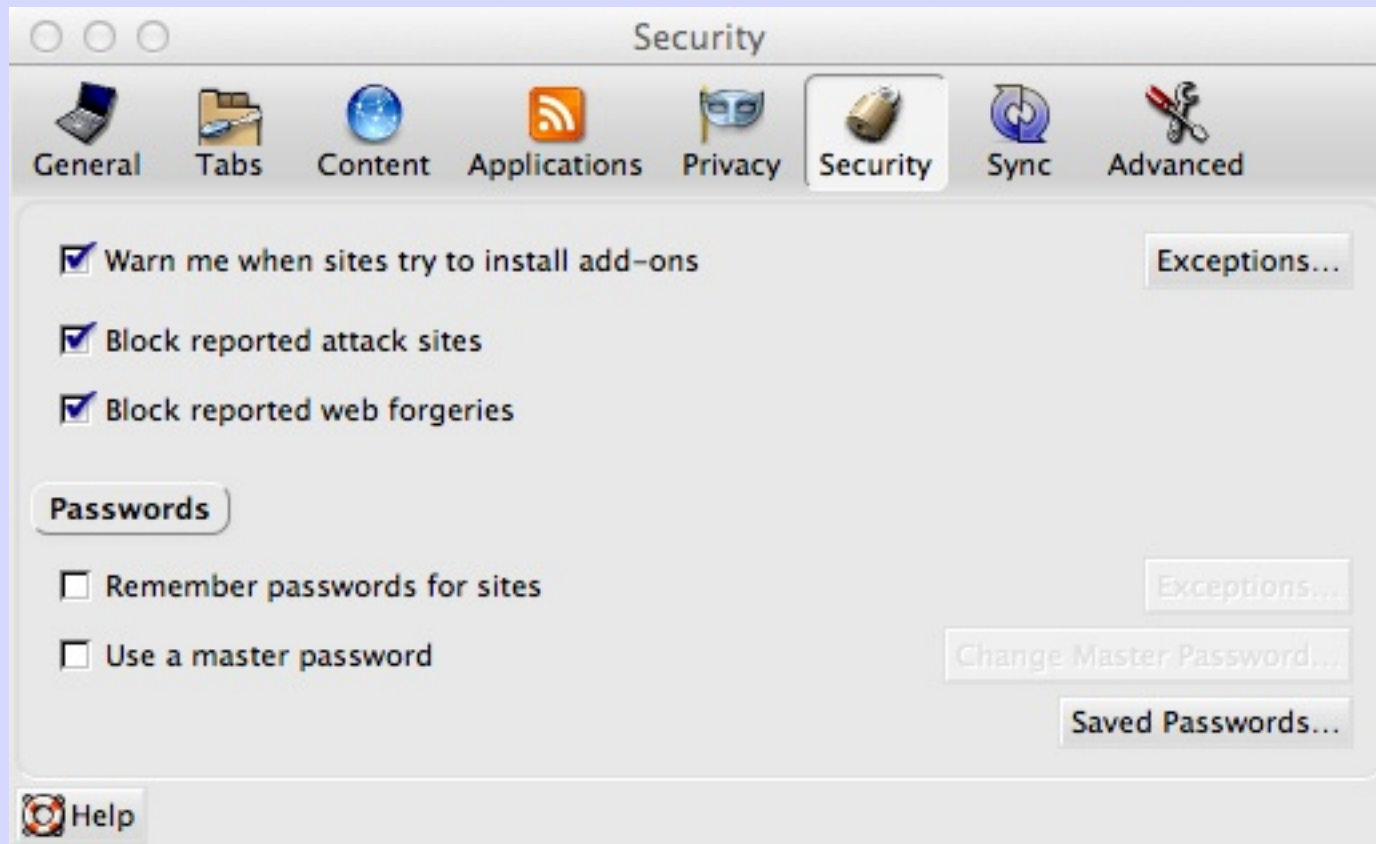
# Let Browser Remember Passwords

- Only if you use Full Disk Encryption
- Only if your Laptop Locks Quickly
- Lose Laptop and Lose your Bank Account
- Use 1Password or LastPass managers

# Prefs - Content














# Plug-Ins

 Get Add-ons

 Extensions

 Appearance


 Plugins

 Services


Some extensions could not be verified

+


Search all add-ons

**1Password**  
Password and identity manager for Mac, Windows, iOS and Android. [More](#)


DisableRemove

**Privacy Badger**  
Protects privacy by blocking spying ads and invisible trackers. [More](#)


PreferencesDisableRemove

**The Addon Bar (restored)**  
Gives you a place to put all your addon buttons without over-cro... [More](#)

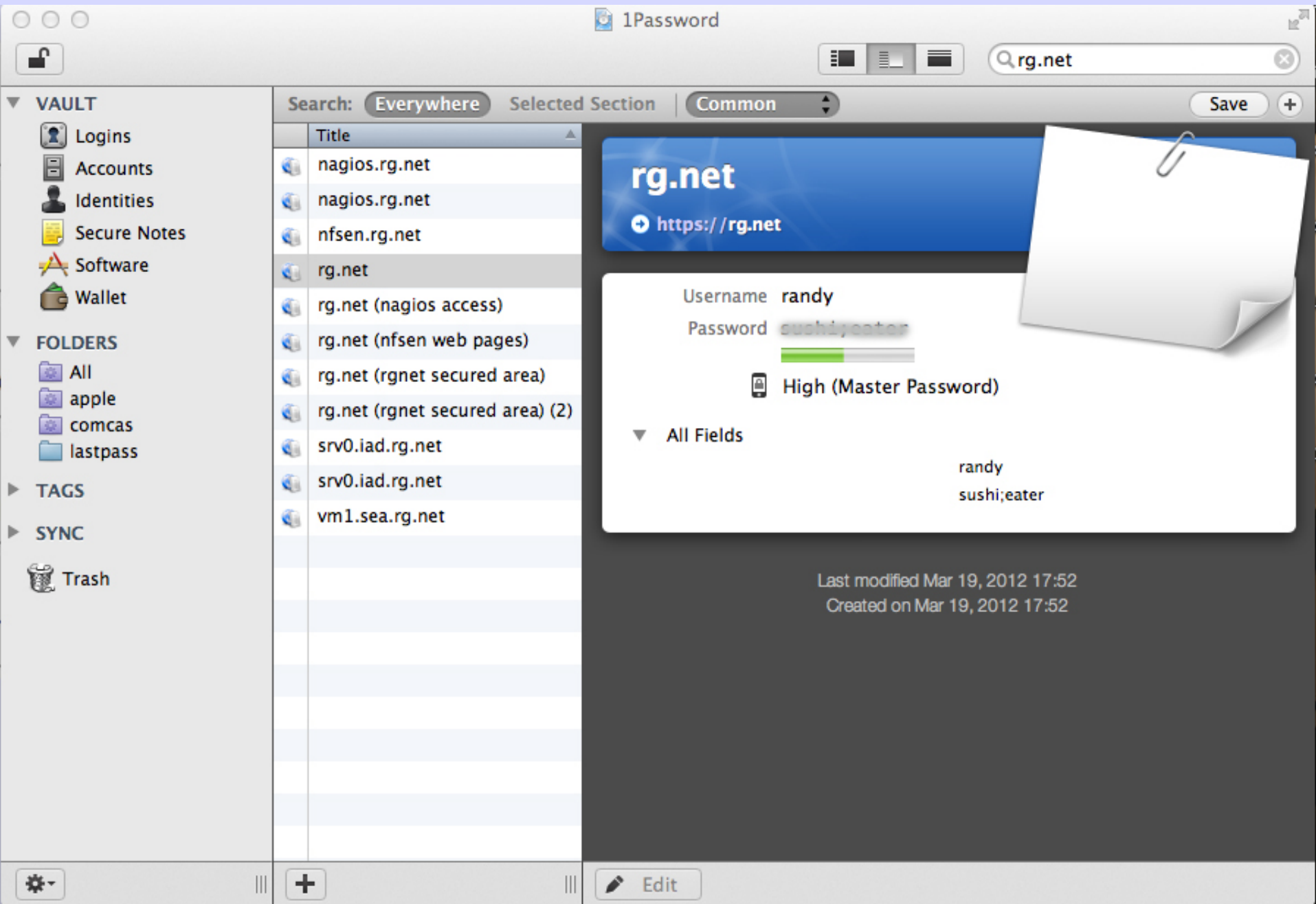
PreferencesDisableRemove

**uBlock**  
A fast, potent, and lean blocker. Easy on CPU and memory. [More](#)

PreferencesDisableRemove

**Privacy Badger**  
Protects privacy by blocking spying ads and invisible trackers. [More](#)

PreferencesDisableRemove



# LastPass

- Runs on Most Platforms
- Plug-Ins for Most Browsers
- Passwords, Credit Cards, Addresses, ...
- Keep DataBase in DropBox and you Have Data on Phone, Laptop, Tablet, ...

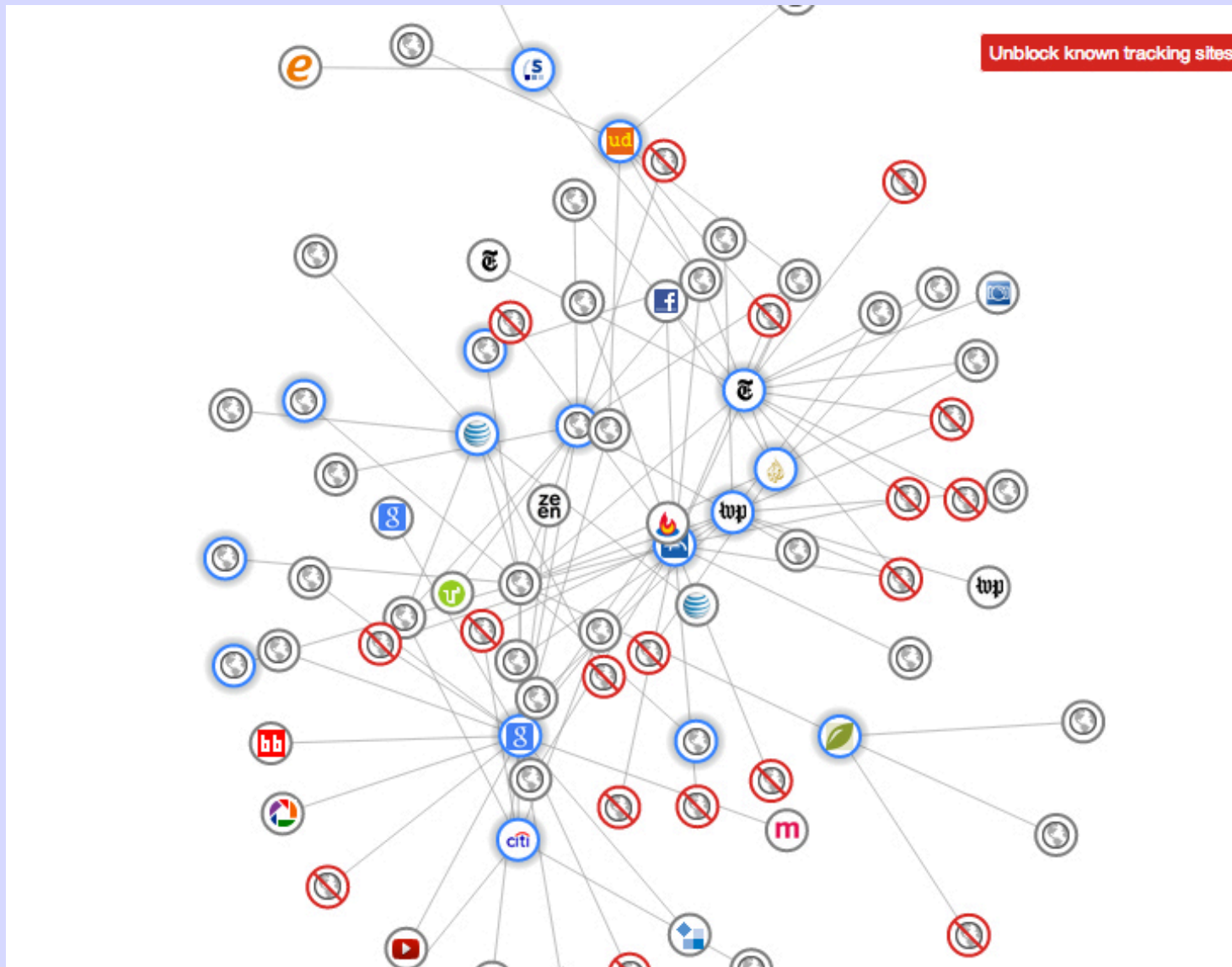
# uBlock

Without uBlock

With uBlock



# Privacy Badger





# Disconnect Blocks Too

The screenshot shows a web browser window with the address bar displaying 'Wikipedia (en)'. The main content area shows the New York Times homepage with the masthead 'The New York Times' and the date 'Saturday, November 17, 2012'. Below the masthead is a photograph of a grocery store aisle filled with boxes of Twinkies and other snacks. A 'Do Not Track Plus' overlay is visible on the right side of the page. The overlay has a dark blue header with the text 'Do Not Track Plus' and a close button. Below the header, it says 'Blocking tracking @ nytimes.com' and 'Allow site'. The overlay lists the following tracking information:

- 1 social network tracking you: 1 blocked
- 2 ad networks tracking you: 2 blocked
- 5 companies tracking you: 4 blocked

Below this list, it says 'In Control! Your all-time total is: 176 blocked'. At the bottom of the overlay, it says 'Abine.com | the online privacy company' and 'How DNT+ works | Settings | Say hello'. There are three buttons at the bottom: 'Special Offer For DNT+ Users', 'Be Safe on Public WIFI', and 'Support DNT+: Review Us!'.

# NoScript - JavaScript



# HTTPS Everywhere

- If a Site has HTTP and HTTPS, it Forces Use of HTTPS
- I.e. You get Authentication of Site
- Your Traffic is Encrypted
- Becoming Obsolete



# DNSsec & DANE

- The green lock tells you that the site's TLS certificate is valid
  - You are talking to the right site
  - Your traffic is encrypted
- Want to know if the site you are visiting is DNSsec signed?
- Want to know if the cert is really valid?

# There's an AddOn



## 1Password

Password and identity manager for Mac, Windows, iOS and Android.

[More](#)

Disable

Remove



## DNSSEC/TLSA Validator

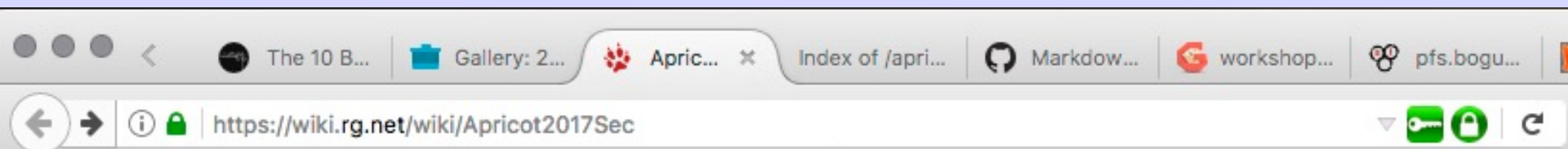
Check DNSSEC security of domain names and chec...

[More](#)

Preferences

Disable

Remove



DNSsec  
TLSA

OOPS!!



RECIPES ▾

TECHNIQUES ▾

FEATURES ▾

OUR EDITORS ▾



RAU MUONG

# Install & Configure

- <https://mozilla.org/firefox/>  
or IE or Safari if you insist
- Configure for Privacy
- <https://www.eff.org/privacybadger>
- <https://www.ublock.org/>
- <https://addons.mozilla.org/en-US/firefox/addon/dnssec-validator/>
- <https://lastpass.com/>