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

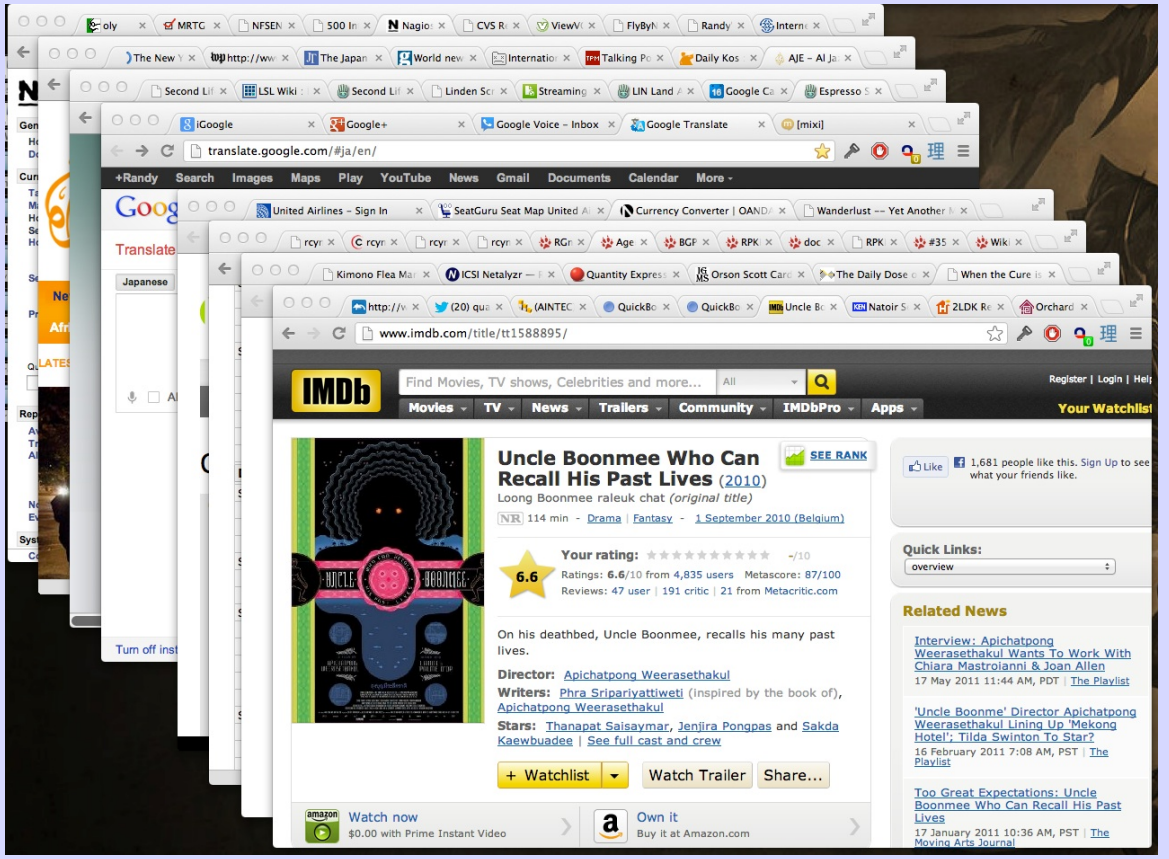
Sometimes I Use Chrome

- Process Isolation per Tab, so scales well

And

I

Care!



- But I Worry About Leaking Data to Google

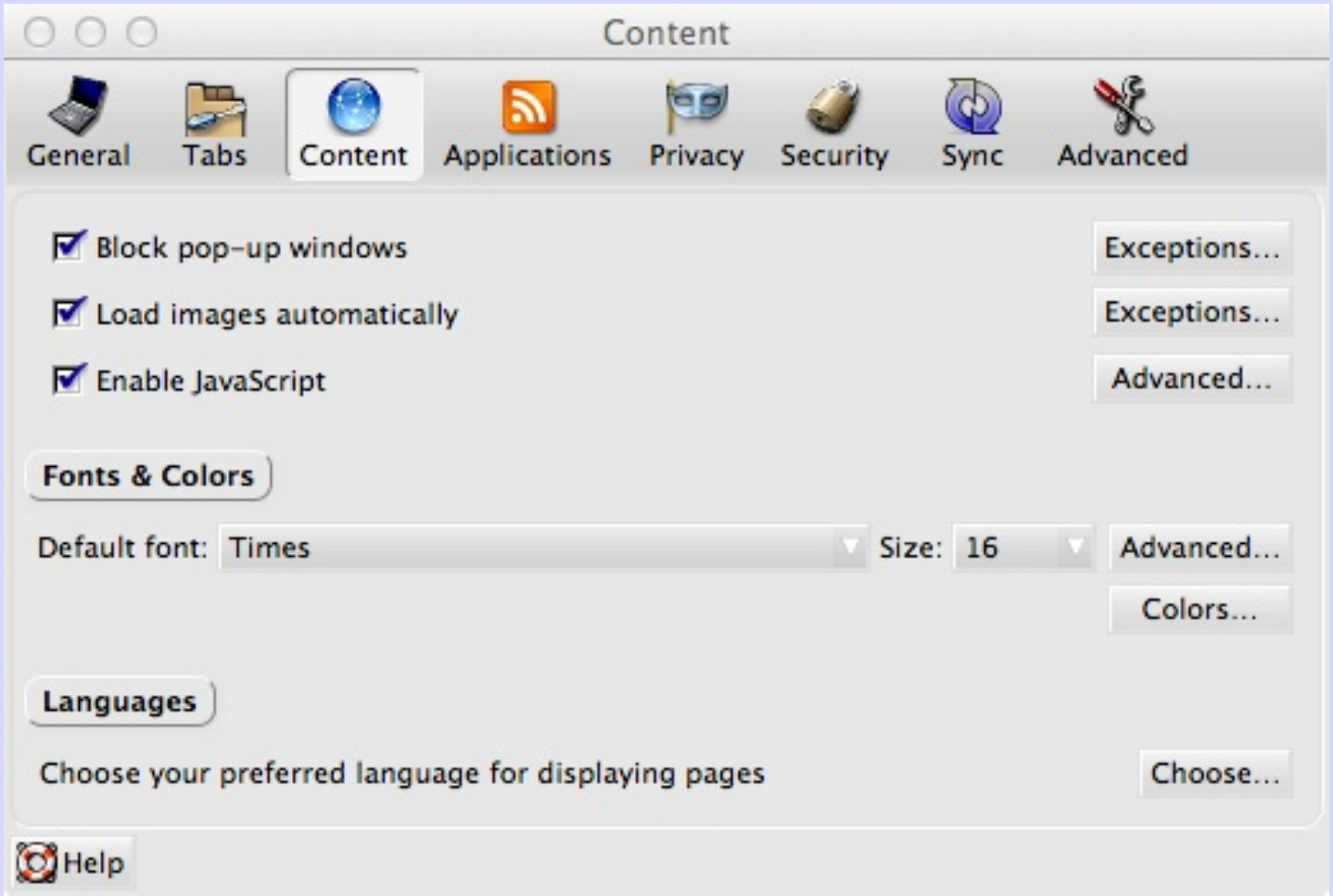
I Recommend FireFox

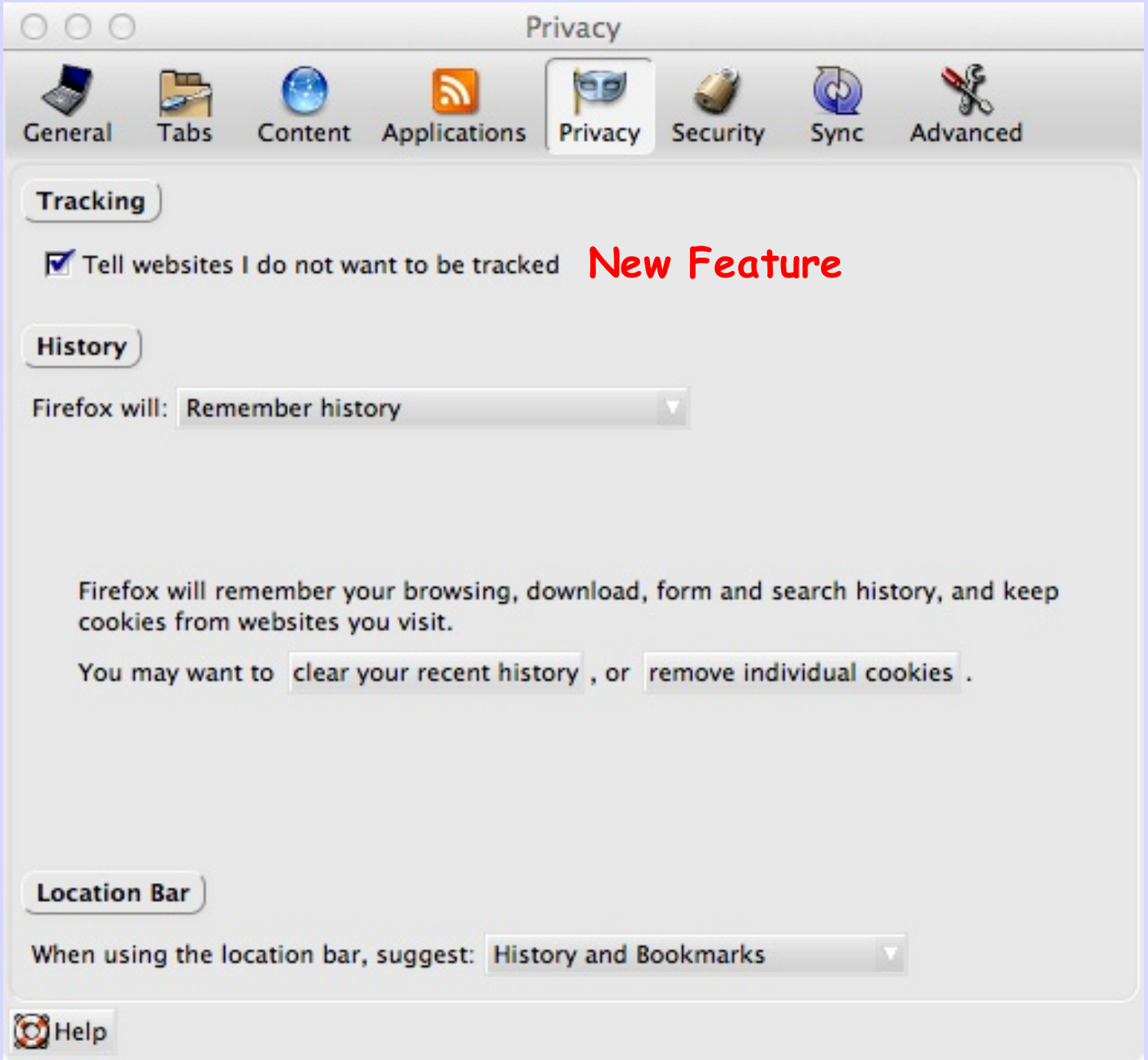
- Free and Open Source (i.e. inspected)
- Standards Compliant, no Proprietary Tricks to Lock You In
- Popular, so has Rich Extension Catalog
- Runs on All Significant Platforms

Let Browser Remember Passwords

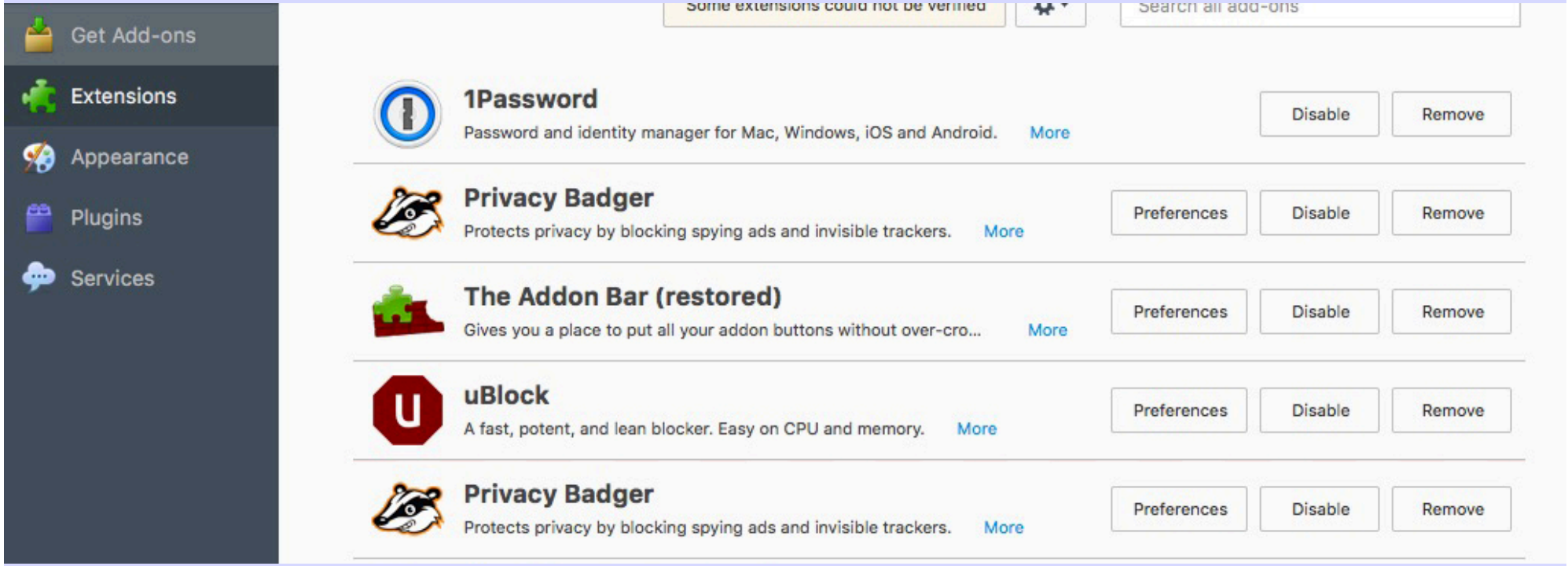
- Only if you use Full Disk Encryption
- Only if your Laptop Locks Quickly
- Lose Laptop and Lose your Bank Account
- Use 1Password or LastPass managers

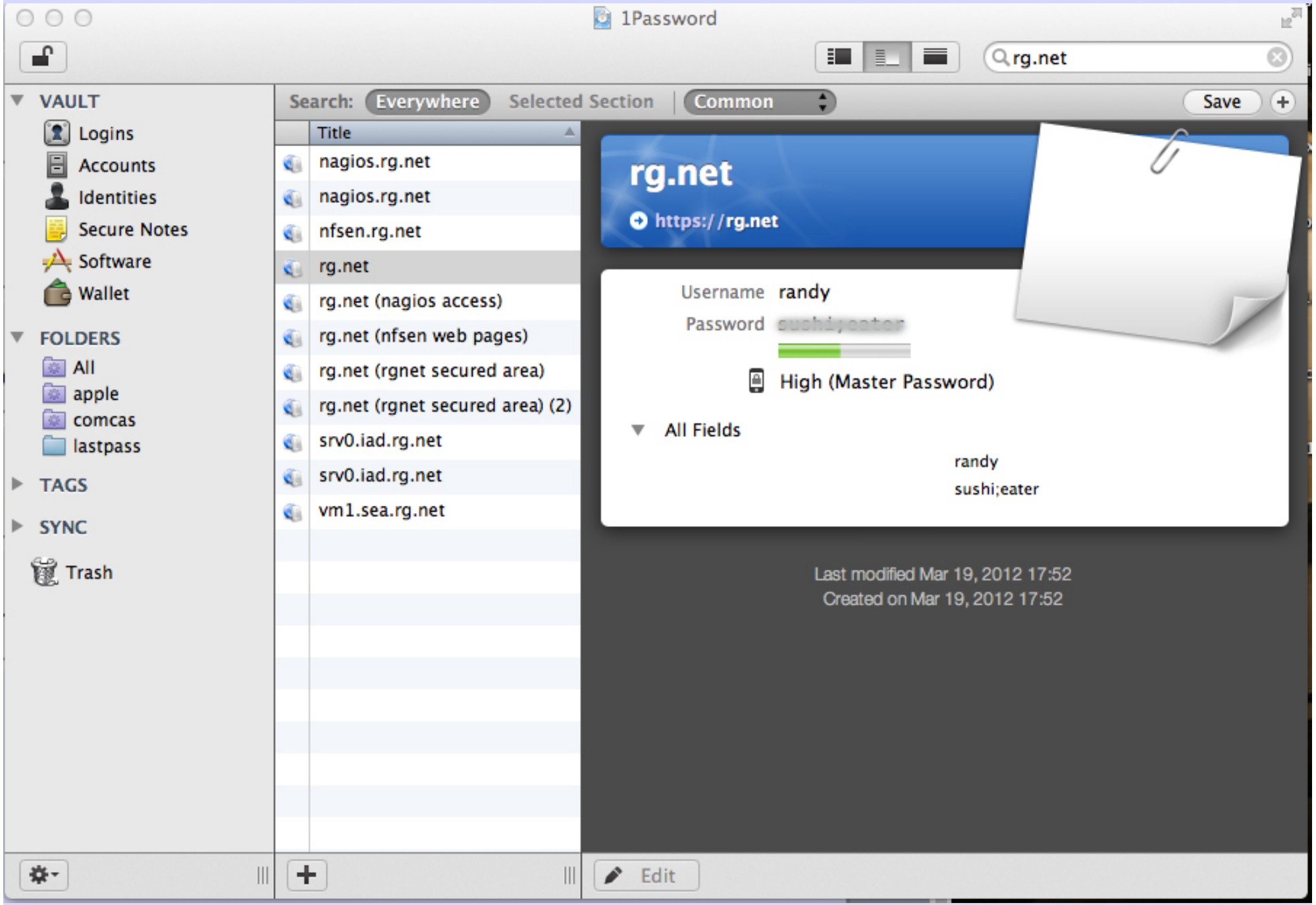
Prefs - Content





Plug-Ins

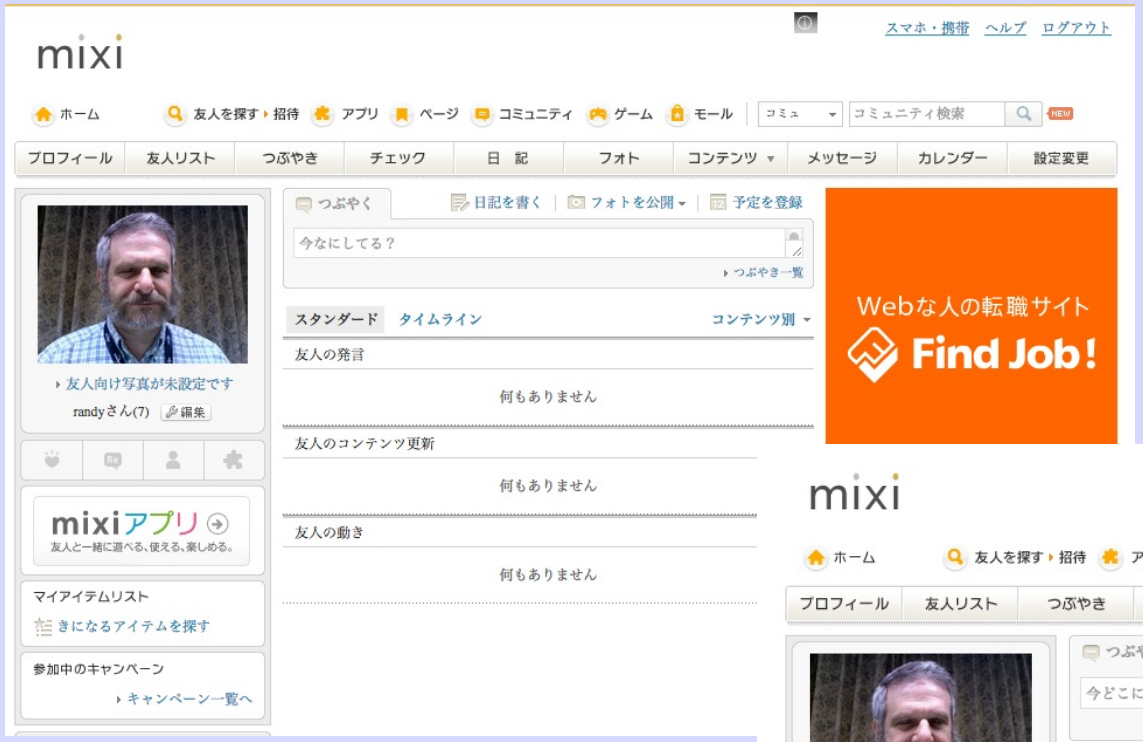




LastPass

- 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, …

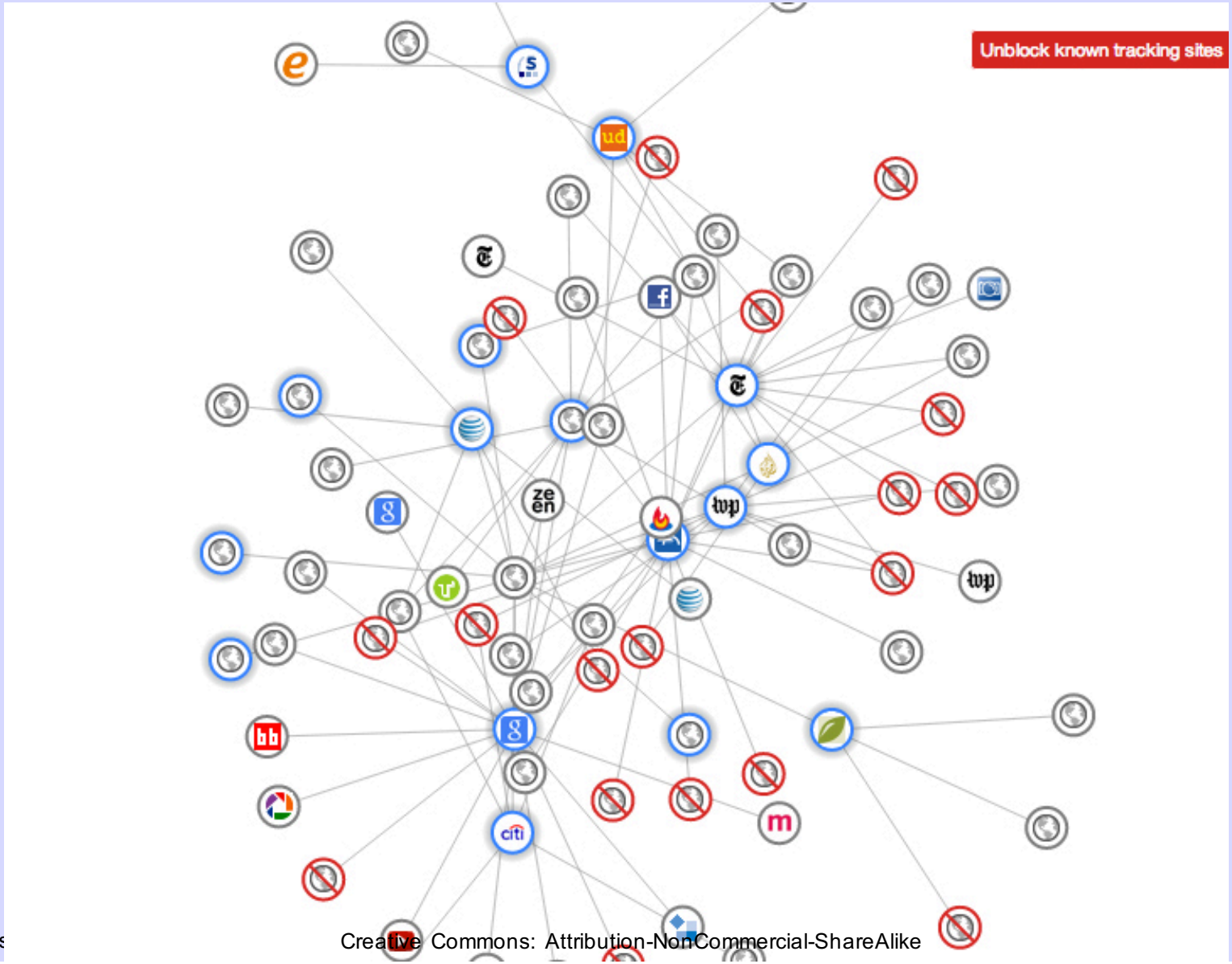
uBlock



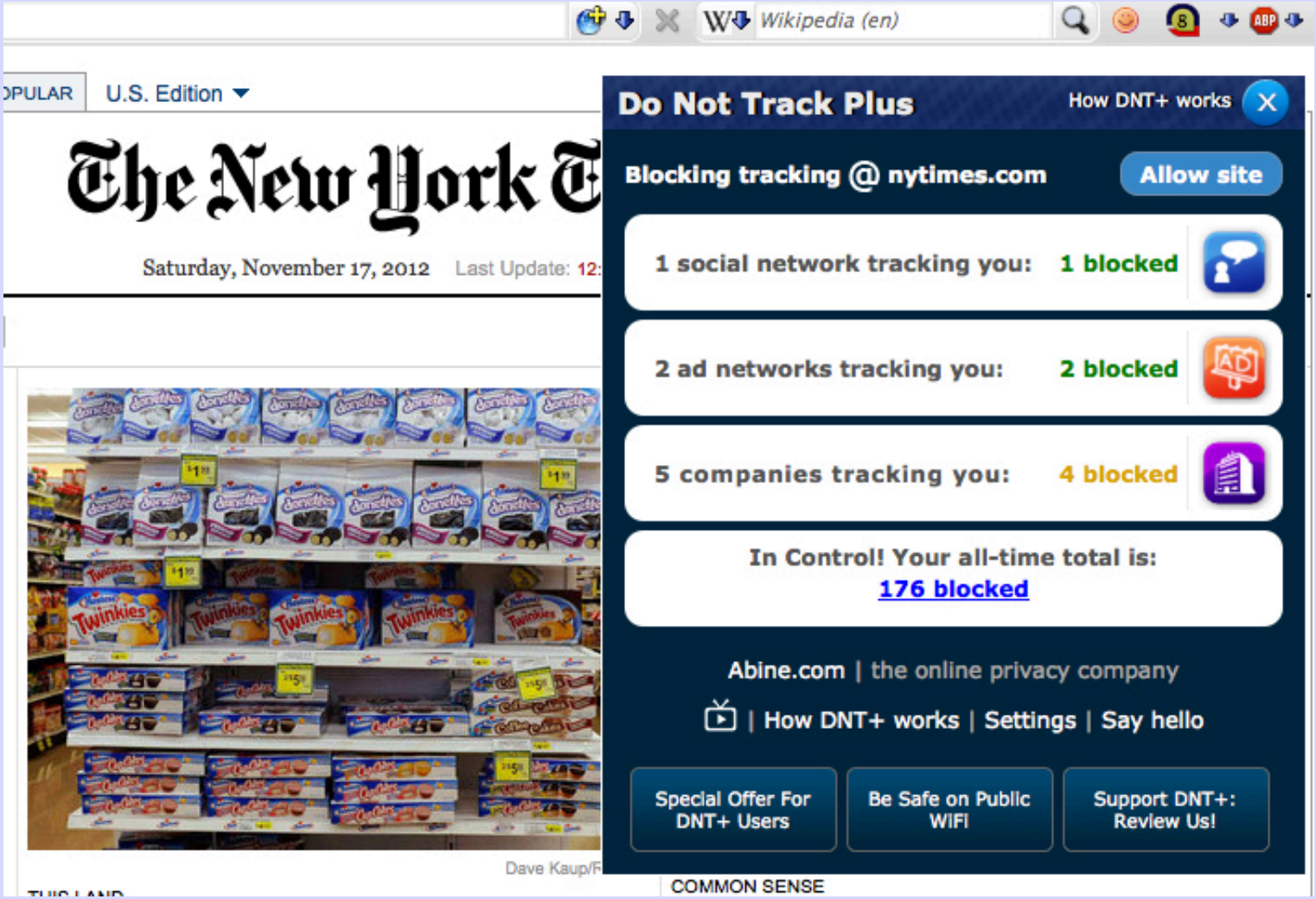
Without uBlock

With uBlock

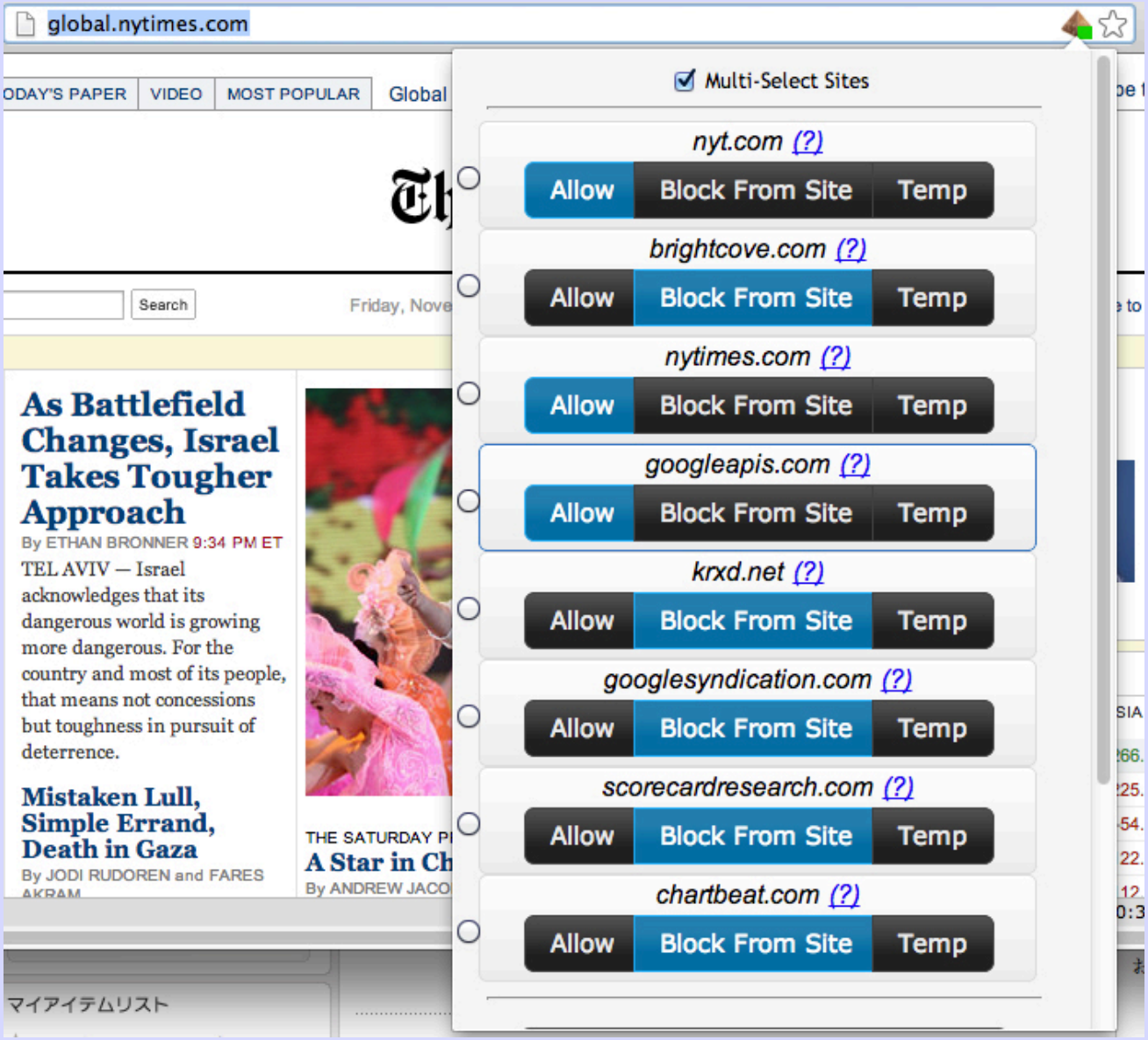
Privacy Badger



Disconnect Blocks Too



NoScript - JavaScript



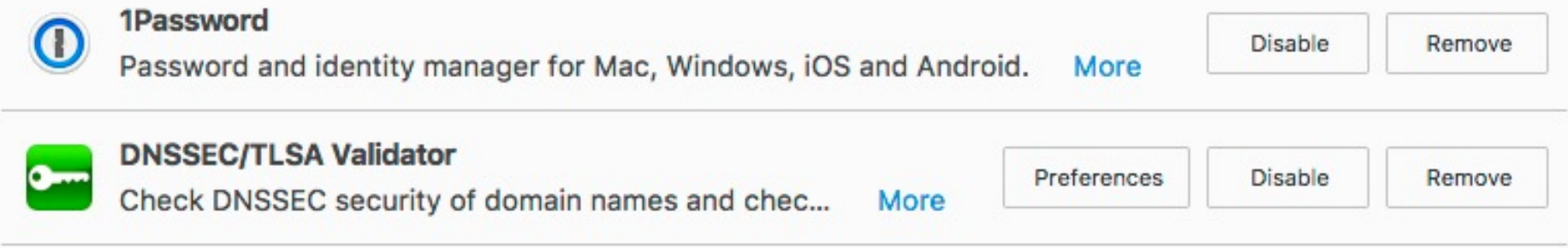
HTTPS Everywhere

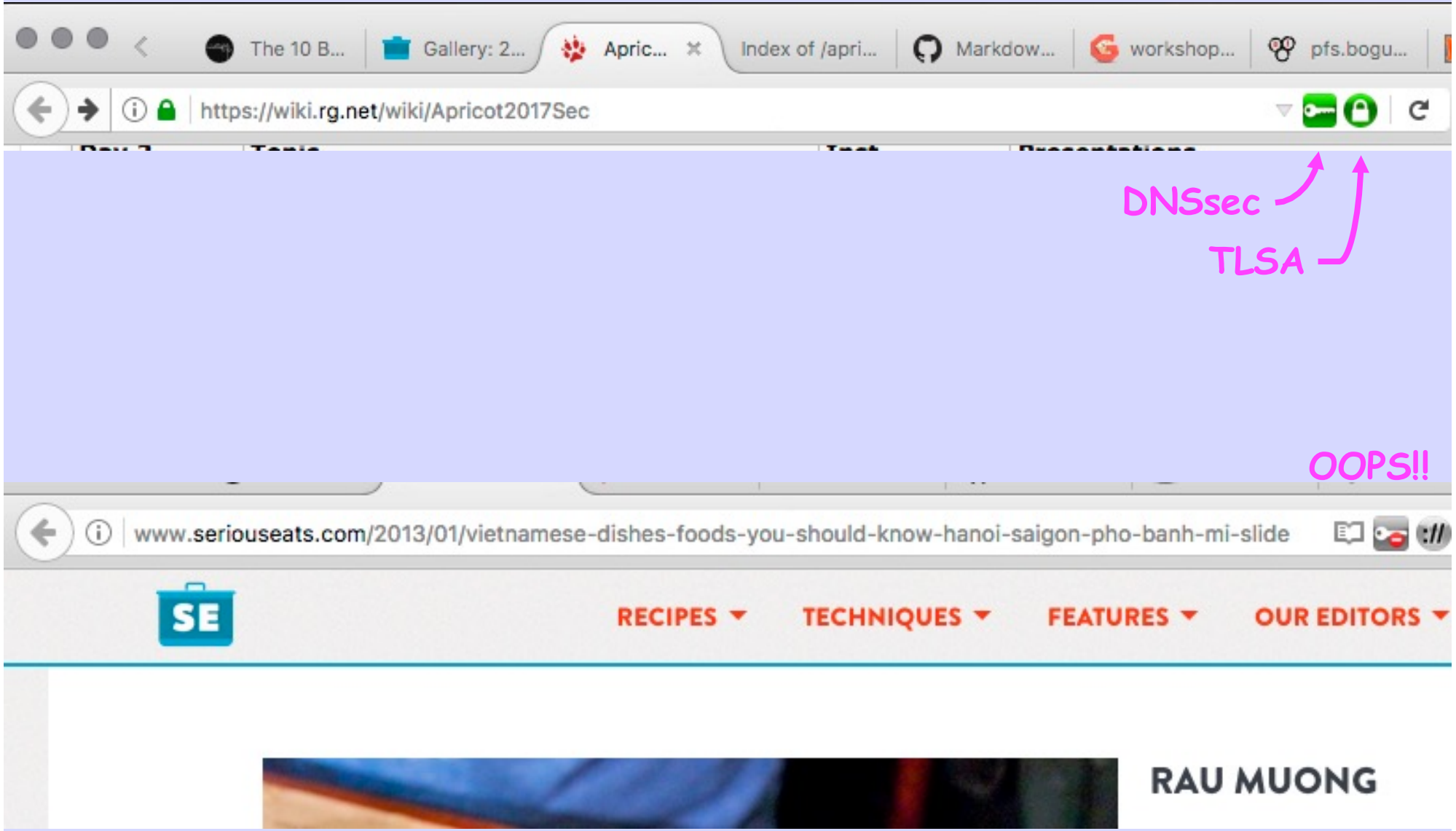
- If a Site has HTTP and HTTPS, it Forces Use of HTTPS
- I.e. You get Authentication of Site
- Your Traffic is Encrypted
- Becoming Obsolete

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





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/**