



www.yankeegroup.com

Single Site Browsers

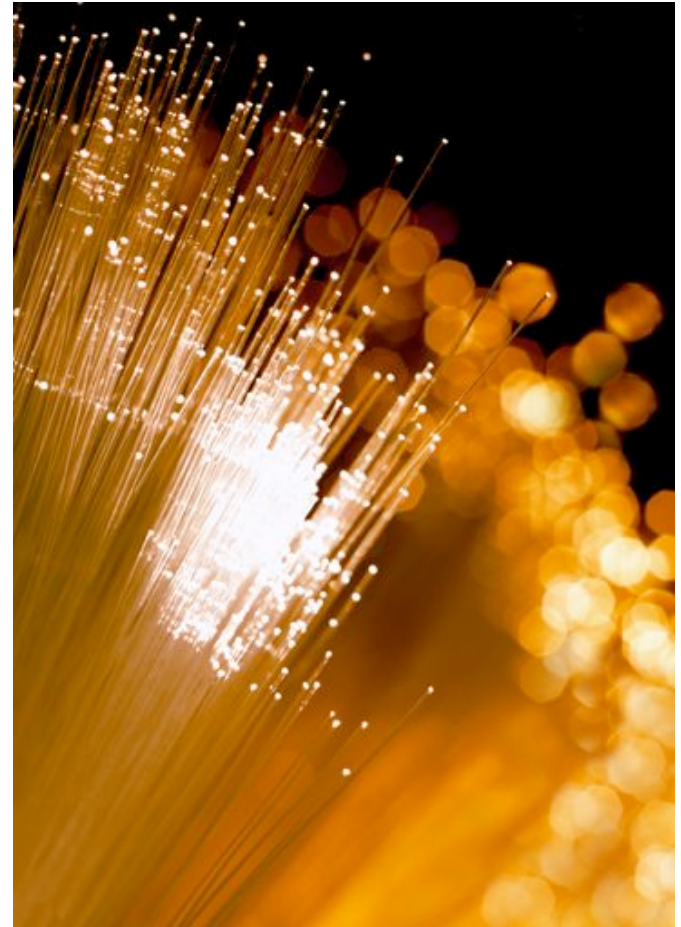


Speaker

Andrew Jaquith
Program Manager, Enabling Technologies Enterprise

Yankee Group

- **Founded in 1970, the first independent technology research firm**
- **Global presence with more than 160 professionals located in 5 continents**
 - North America, Europe, Middle East/Africa, Latin America, APAC
- **Owned by Alta Communications**
 - Boston-based private equity firm
 - Focused on the media and telecommunications industries
- **CEO: Emily Nagle Green**



We focus on the global connectivity revolution



The Obligatory Vanity Slide

- **Who is Andrew?**
 - Area of responsibility: security
- **Research**
 - Portable digital identity, security, security metrics, web applications
- **Background**
 - 15 years IT experience
 - Co-founder of @stake, Inc.
 - Previous: FedEx, Cambridge Technology Partners
- **Author of *Security Metrics* (2007)**



Single Site Browsers: What They Are

- **Constrain web-surfers to visiting a single website**
- **Do not have bookmarks**
 - None are needed, because the user stays on one site
- **“Brand” each SSB application with unique desktop icons**
 - Generally with the logo (favicon) of the website
- **Origins in open source community**
 - **Prism**: from Mozilla, based on Firefox core
 - **Fluid**: from Todd Ditchendorf, links to Safari core

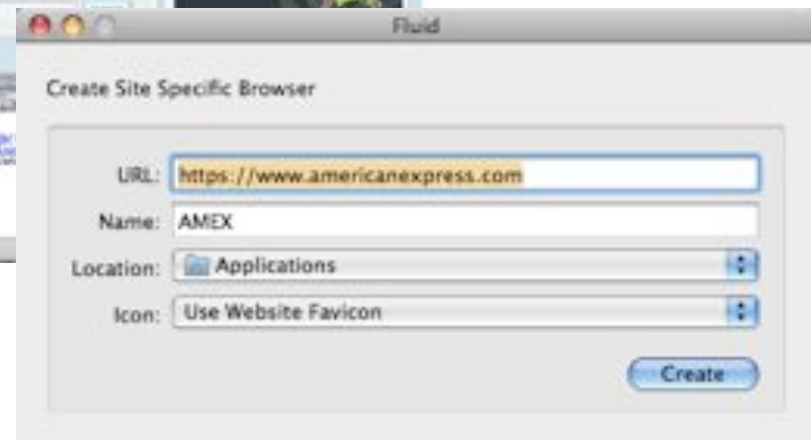
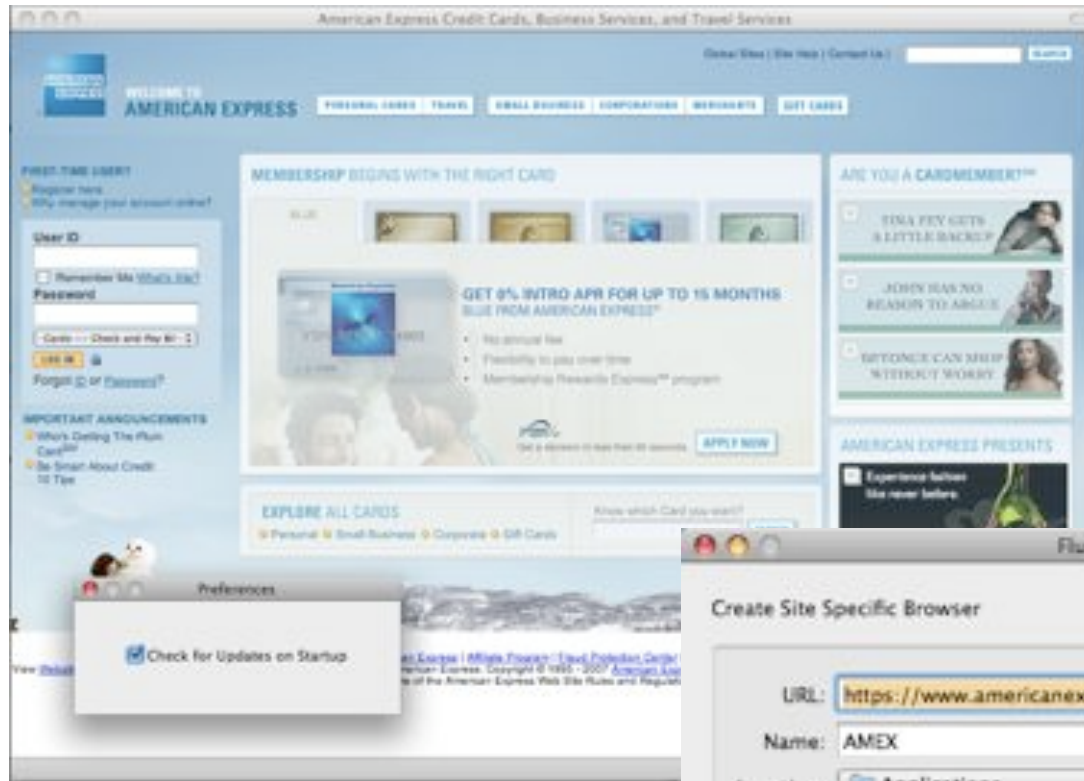
Screenshot: Prism



Screenshot: Fluid

Looks like regular browser, with sparser UI

No preferences, except for auto-update



Creating new SSB instance is straightforward

Screenshot: Mozilla Prism

As with Fluid, creating new Prism SSB instance is very simple.



Benefits of Single-Site Browsers

- **SSBs will not render sites other than the ones they are “made for”**
 - Users can’t be tricked into visiting an impostor phishing site...
 - ...unless their DNS resolver is already hosed, or MITM attack upstream
- **SSBs keep sensitive information from being divulged to other sites**
 - Session cookie isolation (defeats CSRF, certain kinds of XSS)
- **Branding**
 - SSBs get customized desktop icon
- **Price**
 - No licensing costs (*aka* “free”)
- **Future benefits...**
 - URL white/blacklists enforces constraints on resource loading

Problems SSBs Cannot Solve

- **Previously installed malware, trojans, keyloggers**
- **DNS integrity**
- **Will not replace endpoint security products**
- **Abuse of credentials obtained through other means**

Yankee Group's Recommendations

- **For SSB developers**

- Integrate SSB features into the core browser.
- Build in branding features
- Create domain whitelists
- Lobby banks, e-commerce sites and security organizations

- **For enterprises**

- Investigate SSBs as quick-hit option for customers
 - *E.g.,* offer “branded Firefox” browsers to customers
- Lobby Microsoft

For more information

Mozilla Prism: <http://labs.mozilla.com/2007/10/prism/>

Fluid: <http://fluidapp.com/>

Questions for FSTC Members

- **What do you think of the idea?**
- **Would it fly with your customers?**
- **What are the key challenges you'd see with SSBs?**
- **Have we over-stated the branding and security benefits?**

Thank You

Andrew Jaquith

Program Manager

Enabling Technologies Enterprise

ajaquith@yankeegroup.com

Come and visit us at one of our upcoming Live! events or tune in to one of our free webinars.

.....
UPCOMING EVENTS

M2M Zone at CTIA 2008

April 1, Las Vegas

ITU Telecom Africa

May 12-15, Cairo

Mobile Internet World EMEA

May 19-20, Munich
.....



For schedules, please visit
our web site:
www.yankeegroup.com