Browser Forensics

Collecting evidence from today's web browsers

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Lots of things are browsers





Even cars

What kind of evidence can we get?

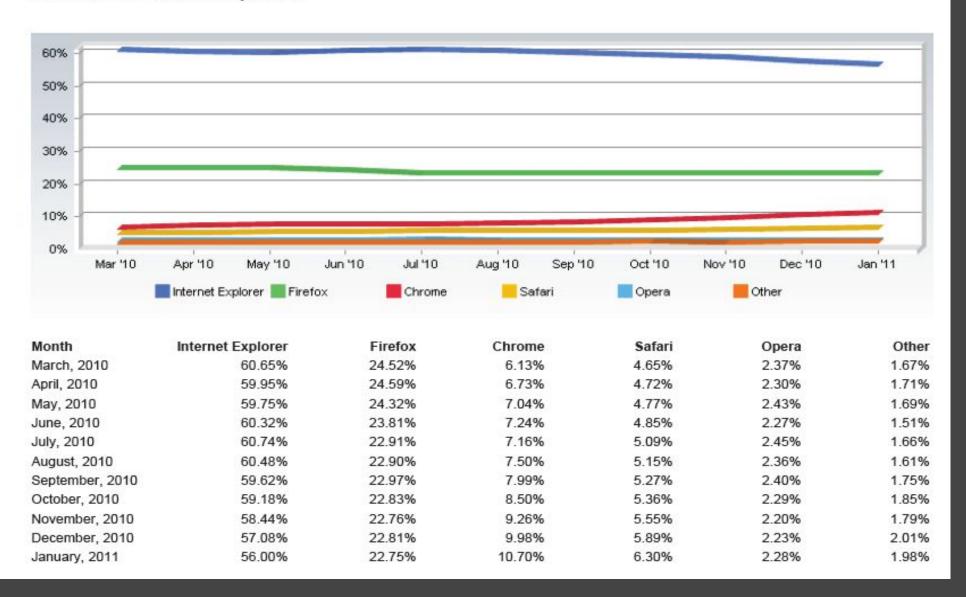
Timeline of activity
Sites visited
Searches
Files transferred
Credentials used

Where is it stored?

History* Search Activity* Cache Bookmarks Stored Form Data Stored Credentials Cookies

Top Browser Share Trend

March, 2010 to January, 2011



Who's winning the browser wars?

Internet Explorer 8

Uses registry and filesystem



Disparity with different Windows versions

Not all index.dat files are alike!







Mozilla Firefox 3

Multiplatform, open source



Uses SQLITE3 DB for majority of stored data

Can be run self-contained on removable media





Google Chrome 9

Multiplatform



Built on open-source Chromium project

Uses SQLITE3 DB for majority of stored data





Apple Safari 5

"Multiplatform"



Stores data in Apple Property List files and SQLite databases
Is made by f!@#\$ Apple

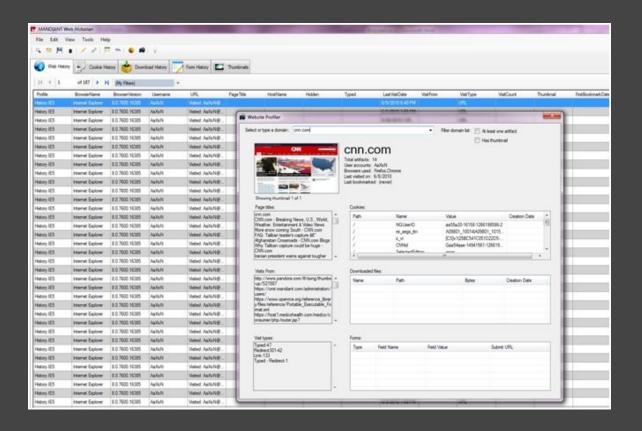






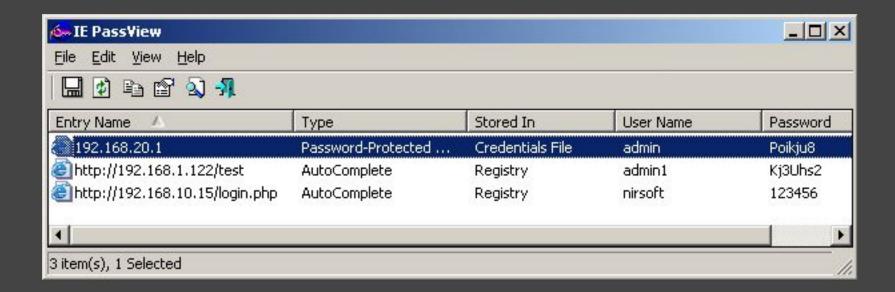
Mandiant Web Historian

Free to download from mandiant.com



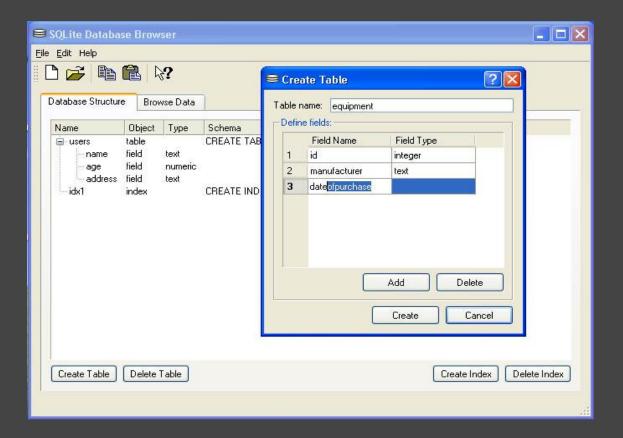
Nirsoft IEPassView

Free to download from nirsoft.net



SQLite Browser

Free to download from sqlitebrowser.sf.net





Questions?