

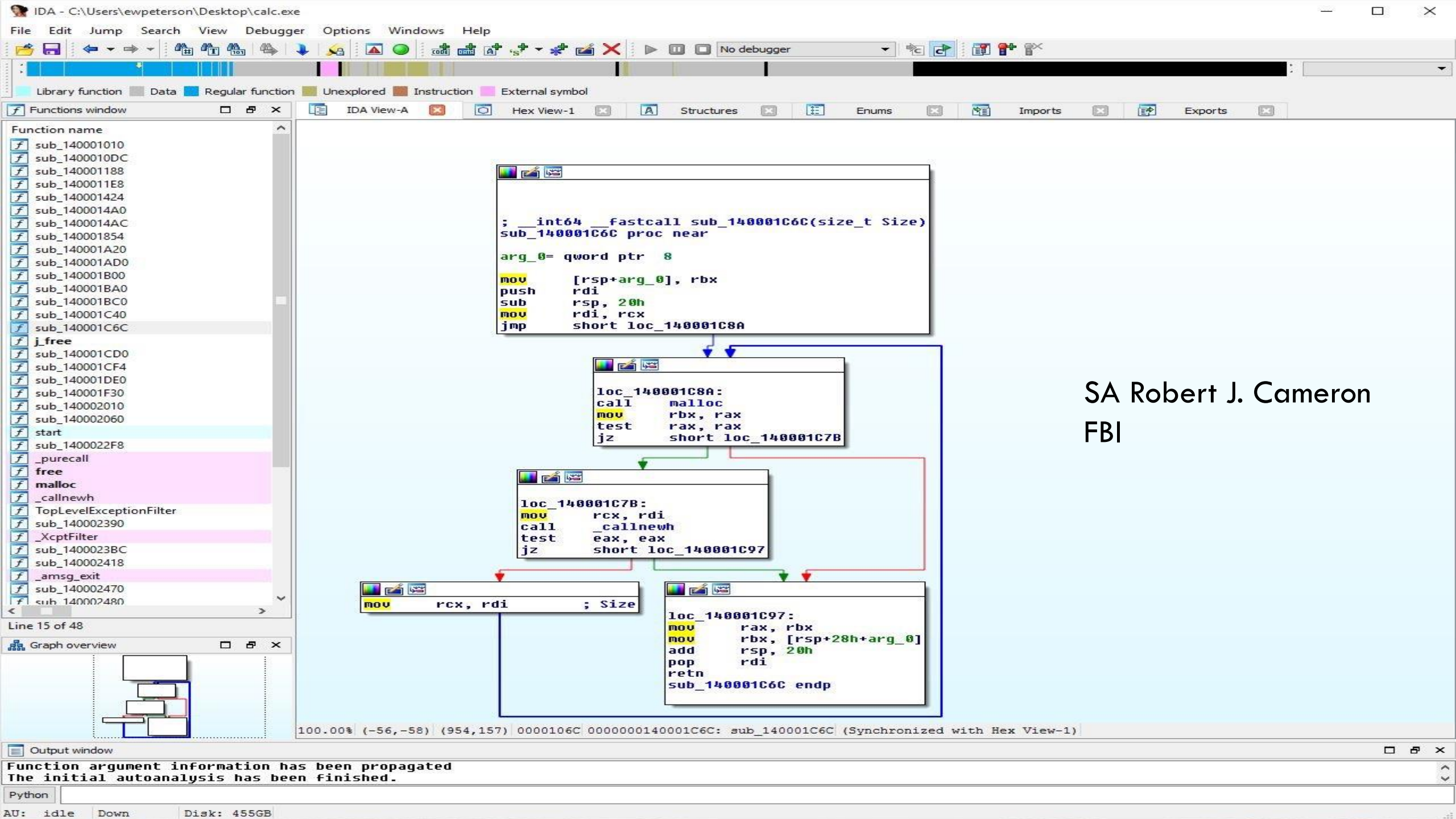


EMERGING TECHNOLOGIES IN CYBERCRIME & CHILD EXPLOITATION OFFENSES

ROBERT CAMERON – FBI SPECIAL AGENT, CYBER ACTION TEAM

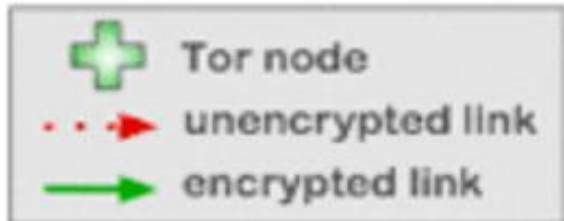
STEVEN GROCKI – CHIEF, DOJ CHILD EXPLOITATION & OBSCENITY SECTION

TROY STABENOW – ASSISTANT FEDERAL PUBLIC DEFENDER, WD/MO



SA Robert J. Cameron
FBI

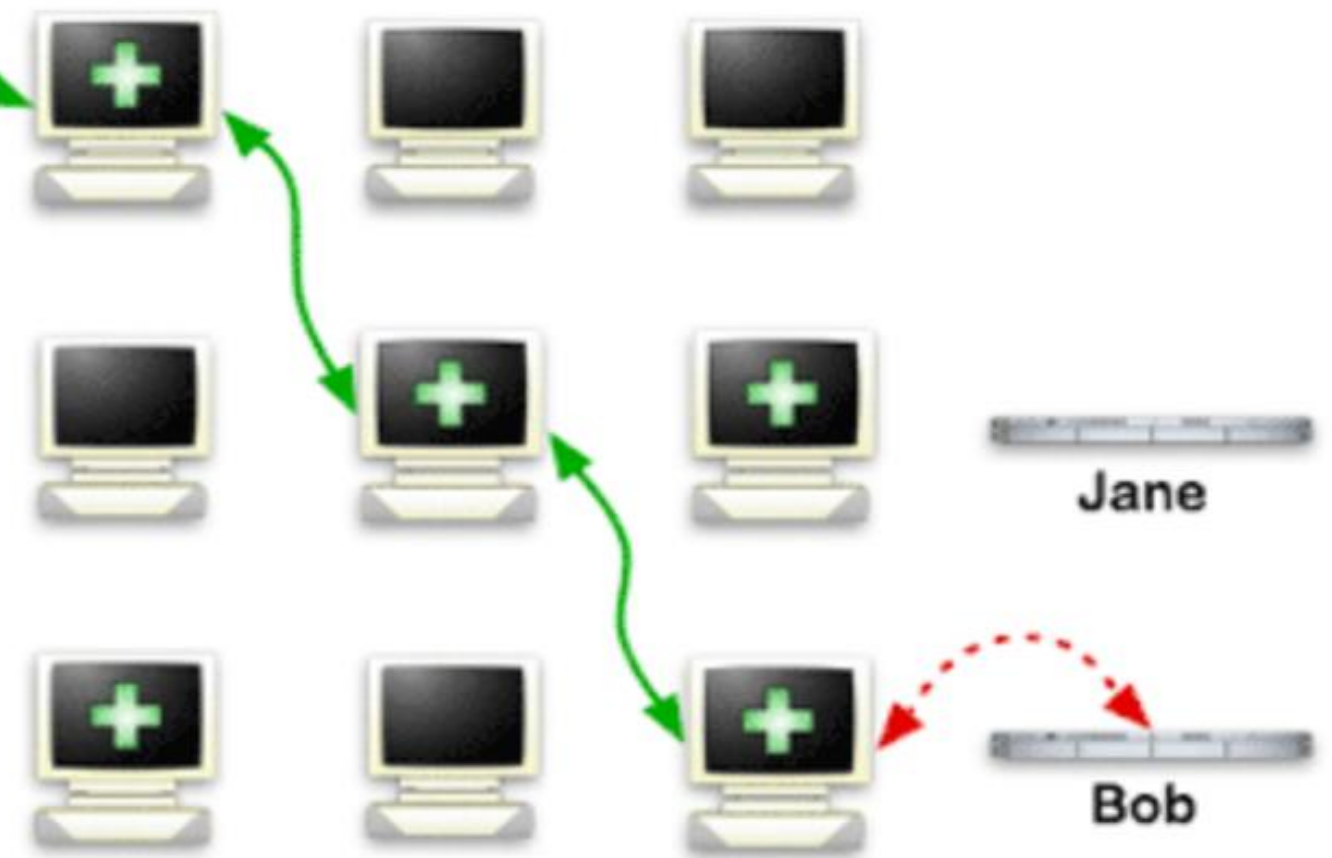
How Tor Works: 2



Alice



Step 2: Alice's Tor client picks a random path to destination server. **Green links** are encrypted, **red links** are in the clear.



Dave

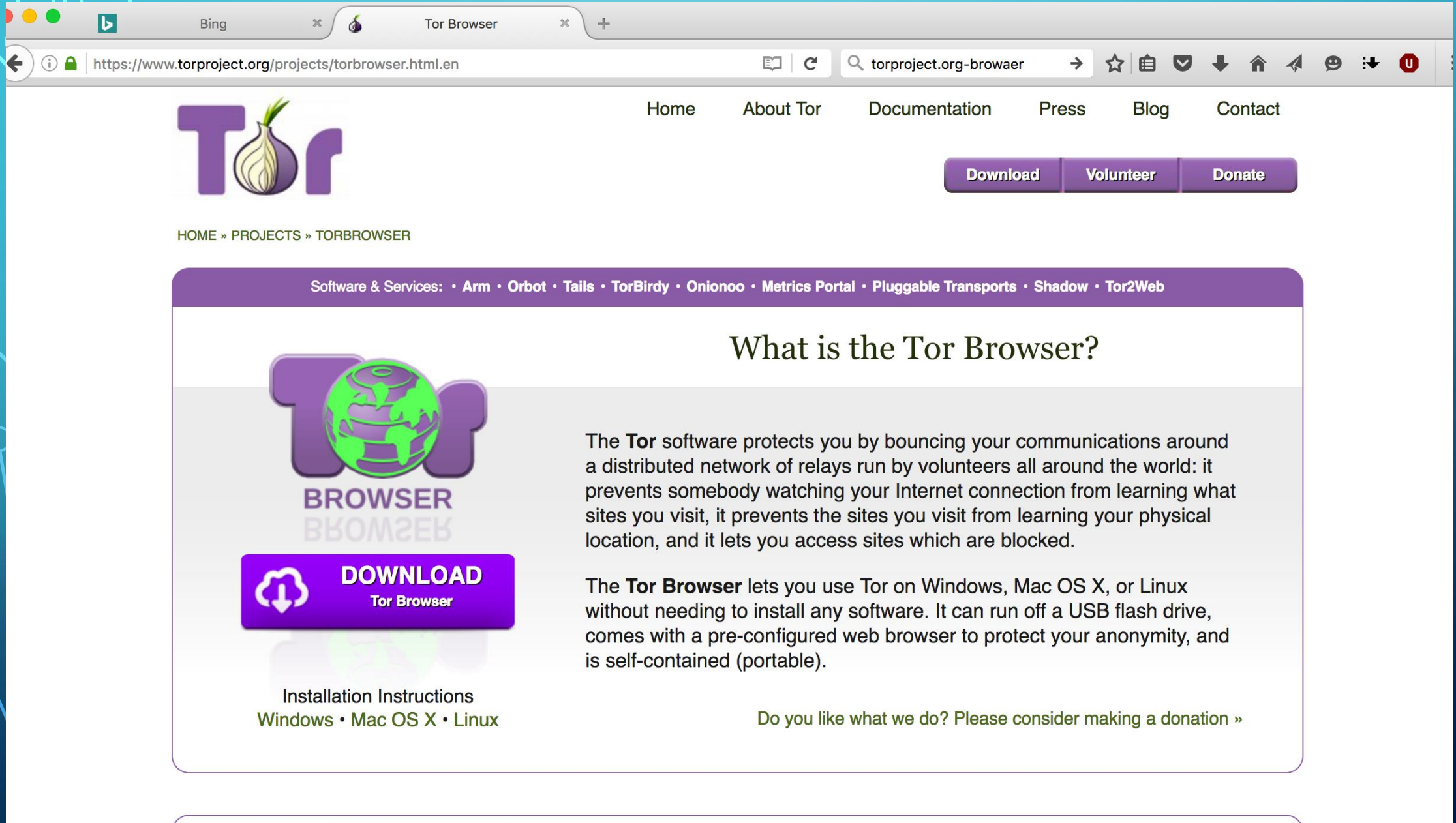


Jane



Bob

TOR: Step 1



The screenshot shows a web browser window with two tabs: 'Bing' and 'Tor Browser'. The address bar displays 'https://www.torproject.org/projects/torbrowser.html.en'. The page features the Tor logo (a purple onion) and navigation links for Home, About Tor, Documentation, Press, Blog, and Contact. A purple bar contains 'Download', 'Volunteer', and 'Donate' buttons. Below this is a breadcrumb trail: 'HOME » PROJECTS » TORBROWSER'. A secondary purple bar lists 'Software & Services: • Arm • Orbot • Tails • TorBirdy • Onionoo • Metrics Portal • Pluggable Transports • Shadow • Tor2Web'. The main content area is titled 'What is the Tor Browser?' and includes a large image of the Tor Browser logo with a globe. To the right, text explains that Tor software protects users by bouncing communications around a distributed network of relays. Below the text is a large purple 'DOWNLOAD Tor Browser' button. At the bottom, there are links for 'Installation Instructions' and 'Windows • Mac OS X • Linux', and a green link that says 'Do you like what we do? Please consider making a donation »'.


Home About Tor Documentation Press Blog Contact

Download Volunteer Donate

HOME » PROJECTS » TORBROWSER

Software & Services: • Arm • Orbot • Tails • TorBirdy • Onionoo • Metrics Portal • Pluggable Transports • Shadow • Tor2Web

What is the Tor Browser?



The **Tor** software protects you by bouncing your communications around a distributed network of relays run by volunteers all around the world: it prevents somebody watching your Internet connection from learning what sites you visit, it prevents the sites you visit from learning your physical location, and it lets you access sites which are blocked.

The **Tor Browser** lets you use Tor on Windows, Mac OS X, or Linux without needing to install any software. It can run off a USB flash drive, comes with a pre-configured web browser to protect your anonymity, and is self-contained (portable).

DOWNLOAD
Tor Browser

Installation Instructions
Windows • Mac OS X • Linux

Do you like what we do? Please consider making a donation »

TOR: Step 2

The screenshot shows a Tor Browser window with the following elements:

- Browser Tabs:** Bing, Tor Browser, TOR Marketplaces Referral ...
- Address Bar:** https://www.reddit.com/r/TorMarketplaces/comments/3ernf0/tor_marketplaces_referral_links_and_re
- Search Bar:** reddit TOR marketplace
- Reddit Header:** Tor logo, /r/TorMarketplaces, comments
- Post Title:** Tor Hidden/Anonymous Marketplaces from Deep Web/ Darknet, or Darknet Markets (DNM)
- Archived Post Notice:** This is an archived post. You won't be able to vote or comment.
- Post Content:**
 - Title:** TOR Marketplaces Referral Links and Registration Information for New Users (self.TorMarketplaces)
 - Metadata:** submitted 1 year ago * by [tormarketplaces](#) - announcement
 - Section Header:** WHAT ARE TOR MARKETPLACES?
 - Text:** This sub-reddit is about **Tor Anonymous Marketplaces**, aka *Darnet Markets*, or *DNM*. These are sites from deepweb/darknet that can only be accessed via [Tor Browser](#). There you can buy legal or illegal things like drugs, guns, fake money, etc. and receive them at your home by post. The buying process is completely anonymous thanks to using the anonymous **Tor Browser** and paying by internet currency **Bitcoin**.
 - Section Header:** LIST OF TOR ANONYMOUS MARKETPLACES:
 - Text:** Here is a list of **Tor Anonymous Marketplaces**, or Darknet Markets. I post here only working markets and I will keep you updated about them in case of issues.
 - List of Markets:**
 - [AlphaBay](#) pwoah7foa6au2pul.onion/affiliate.php?aff=45178
 - [Dream Market](#) lchudifyeqm4ldjj.onion/?ai=98506
 - [HANSA](#) hansamkt2rr6nfg3.onion/affiliate/860
 - [Valhalla \(Silkkitie\)](#) valhallaxmn3fydu.onion/register/gfUg
 - [Acropolis](#) acropol4ti6ytzeh.onion/auth/register/EDUAX5MEAG
 - Text:** **Tor Anonymous Marketplaces** (DNMs) can only be accessed via [Tor Browser](#). If you have problems using one of the DNM above, please let us know.

TOR: Step 3

Browser address bar: pwoah7foa6au2pul.onion/search.php?frc=48

Navigation: HOME SALES MESSAGES ORDERS LISTINGS BALANCE FEEDBACK FORUMS API SUPPORT

Search Results

BROWSE CATEGORIES

- Fraud 25552
- Drugs & Chemicals 136870
- Guides & Tutorials 10073
- Counterfeit Items 5110
- Digital Products 11810
- Jewels & Gold 1157
- Weapons 2139
 - Ammunition 285
 - Pistols 837
 - Pistols 837
 - Long-Range Guns 216
 - Explosives 167
 - Hand Weapons 244
 - Other 390
- Carded Items 2501
- Services 5497
- Other Listings 2446
- Software & Malware 1800
- Security & Hosting 503

SEARCH OPTIONS

Search terms:




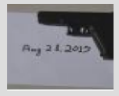



Listing type: All Fixed Price Auction

Product type: All Digital Physical

Price range: USD to USD

Origin country:

Search Results [Save Search]

-  **Colt 1908,380**
Item # 151441 - Pistols / Pistols - mctruple (526)
Views: 9216 / Bids: Fixed price
Quantity left: Unlimited
Buy price USD 0.00 (0.0000 BTC)
-  **[MS] Glock 27 STACK PISTOL**
Item # 156736 - Pistols / Pistols - mctruple (526)
Views: 7507 / Bids: Fixed price
Quantity left: 6
Buy price USD 0.00 (0.0000 BTC)
-  **[MS] WIN a GLOCK ON DEC 25th**
Item # 143701 - Pistols / Pistols - jaybird (59)
Views: 3985 / Bids: Fixed price
Quantity left: Unlimited
Buy price USD 2.50 (0.0044 BTC)
-  **[MS] Custom for t1ckt0ckt1ckt0ck**
Item # 44149 - Pistols / Pistols - Alexandra (62)
Views: 62979 / Bids: Fixed price
Quantity left: Unlimited
Buy price USD 3,700.00 (6.5335 BTC)
-  **[MS] SIG SAUER 1911 "MAX MICHEL" in .45 ACP**
Item # 159771 - Pistols / Pistols - mctruple (526)
Views: 1700 / Bids: Fixed price
Quantity left: 14
Buy price USD 0.00 (0.0000 BTC)
-  **[MS] Springfield Armory XD-9 Mod2 3" 9mm Holds 16 rounds Two Tone Tan.**
Item # 159142 - Pistols / Pistols - mctruple (526)
Views: 1723 / Bids: Fixed price
Quantity left: 10
Buy price USD 0.00 (0.0000 BTC)
-  **[MS] Beretta 92FS/ 50 Bullets included / 2 Clips included / and 100x 9mm bullets/ Custom listing**
Item # 161666 - Pistols / Pistols - Chris.Mason (14)
Buy price USD 650.00 (1.1478 BTC)

SA Robert J. Cameron
FBI - Minneapolis
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FE

APPLICATION OF LOSS IN DATA BREACH CASES

- In the case of an offense under 18 U.S.C. § 1030, actual loss includes the following pecuniary harm, regardless of whether such pecuniary harm was reasonably foreseeable: any reasonable cost to any victim, including the cost of responding to an offense, conducting a damage assessment, and restoring the data, program, system, or information to its condition prior to the offense, and any revenue lost, cost incurred, or other damages incurred because of interruption of service. USSG §2B1.1, comment. (n.3(A)(v)(III))

NUMBER OF VICTIMS SOC (APPLY THE GREATEST)

§2B1.1(B)(2)

- (A)(i) Involved 10 or more victims; (ii) was committed through mass-marketing; or (iii) resulted in substantial financial hardship to one or more victims. +2 Offense Levels
- (A)(ii) Resulted in substantial financial hardship to five or more victims. +4 Offense Levels
- (A)(iii) Resulted in substantial financial hardship to 25 or more victims. +6 Offense Levels

§2B1.1(B)(18) - OFFENSES UNDER 18 USC § 1030 (APPLY THE GREATEST)

- Offense involved a computer system maintaining critical infrastructure, or used by government entity in administration of justice, national defense, or national security. +2 Offense Levels
- 18 USC § 1030(a)(5)(A) – Transmission of program, information, code, or command resulting in intentional damage without authorization to protected computer. +4 Offense Levels
- Offense involved substantial disruption of a critical infrastructure. +6 Offense Levels

OTHER §2B1.1 CONSIDERATIONS

- §2B1.1(b)(6) Conviction Under 18 USC § 1037 & involved obtaining electronic mail addresses through improper means. +2 Offense Levels
- §2B1.1(b)(10)(C) Sophisticated Means. +2 Offense Levels
- §2B1.1(b)(13) Misappropriation of a trade secret—
 - Transported/Transmitted outside United States. +2 Offense Levels
 - Benefit foreign government, foreign instrumentality, or foreign agent. +4 Offense Levels