

[RADAR](#) | [RELEASE 2.0](#) | [RESEARCH](#) | [CONFERENCES](#) | [ABOUT](#) |

[All](#) [Open Source](#) [Geo](#) [Emerging Tech](#) [Web 2.0](#) [Operations](#) [Videos](#) [Events](#)

[CONTACT RADAR](#) • [O'REILLY HOME](#)



Fri

Jun 19  
2009

# Dramatic Increase in Number of Tor Clients from Iran: Interview with Tor Project and the

## EFF

by [Timothy M. O'Brien](#) | [comments: 0](#)



Anonymous proxies are in the news this week as Iranians are using proxies outside of Iran to communicate information

[Flash Player upgrade required](#)

You may also [download this file](#). Running time: 00:06:15

about ongoing protests to others within the country. I've received several queries this week from non-technical colleagues about proxy servers. Is it legal to run a proxy server? Does running a proxy server violate my agreement with my broadband provider? I decided to track down some experts and get some perspective on different proxy servers and the laws surrounding them. In this entry, I speak with Andrew Lewman, the Executive Directory of the [Tor Project](#) about Tor and I also get some legal guidance from Peter Eckersley of the [Electronic Frontier Foundation](#).

In this interview I ask Andrew to [briefly introduce Tor](#) and talk about some [interesting useage statistics that show adoption of this anti-surveillance technology from within Iran](#). He answers a question about [whether Tor is "unstoppable"](#) and comments on the [legality of running a Tor node](#). For the full interview, [listen here](#).

### The Tor Project

First, what is Tor? From [The Tor Project](#):

Tor is free software and an open network that helps you defend against a form of network surveillance that threatens personal freedom and privacy, confidential business activities and relationships, and state security known as traffic analysis. Tor 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, and it prevents the sites you visit from learning your physical location. Tor works with many of your existing applications, including web browsers, instant messaging clients, remote login, and other applications based on the TCP protocol.



When you run a Tor node, you are adding another node to a grid of computers that are used to establish random encrypted paths between each node to satisfy any given request. Law enforcement, military agencies, intelligence networks, journalists, and dissidents frequently use Tor to bypass restrictions and avoid surveillance. Andrew Lewman, Tor's Executive Director, wanted to be very clear that the Tor Project itself does not take positions on conflicts, and does not involve itself in resisting oppressive regimes. In response to a question about traffic from Iran, Andrew Lewman produced the following data:

New client connections from within Iran have increased nearly 10x over the past 5 days. Overall, Tor client usage seems to have increased 3x over the past 5 days. There are a lot of rough numbers in these statements, and they are very conservative. However, the source data we're reviewing continues to show these results.

For more information, see Andrew's blog post from last night: "[Measuring Tor and Iran](#)". Here's a graph from Andrew Lewman of Tor client count over the past few days, it appears that Tor is becoming an increasingly popular way for people in Iran to use the network to avoid surveillance.

### New Tor Clients from Iranian IP Space

1 000

[listen](#)

[print](#)

#### STAY CONNECTED



[Subscribe to Radar](#)



[Follow Radar on Twitter](#)

#### RECOMMENDED FOR YOU

#### RECENT COMMENTS

#### MOST ACTIVE | MOST RECENT

[Health Care Costs: Am I missing something? Or is there a lot of flimflam going on?](#)

[Announcing: Spike Night at Velocity 3D Glasses: Virtual Reality, Meet the iPhone](#)

[Want a Map of Tehran? Use Open Str Map or Google](#)

[The Web'2: it's Exponential, but is it Contracting or Expanding?](#)

#### RADAR TEAM

#### RADAR TOPICS

[book](#) [related](#) [copyright](#) [emergin](#) [tech](#) [energy](#) [etech](#) [geo](#) [googl](#) [government](#) [hard](#) [numbers](#) [iphone](#) [loca](#) [make](#) [mobile](#) [open](#) [source](#) [operations](#) [publishing](#) [twitter](#) [velocity](#) [videos](#) [web](#) [2.0](#)

[O'Reilly Home](#) | [Privacy Policy](#) ©2005-2009, O'ReillyMedia, Inc. | (707) 827-7000 / (800) 998-9938  
Website: [webmaster@oreilly.com](mailto:webmaster@oreilly.com) | Customer Service: [orders@oreilly.com](mailto:orders@oreilly.com) | Book issues: [booktech@oreilly.com](mailto:booktech@oreilly.com)  
All trademarks and registered trademarks appearing on oreilly.com are the property of their respective owners.