Civic Technologies &
The Future of the Internet

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IETF
The Internet Engineering Task Force

- Overview of the IETF
- The Internet Standards Process
- IETF Working Groups
- WG Chairs Web Page
- Internet-Deets
- RFC Pages
- Educational Materials
- Mailing Lists
- IETF Web Tools
- IESG Activities
- Meetings
- 7th IETF - San Francisco, CA, USA (March 22-27, 2009)
- Proceedings
- IETF Minutes Activities
- IETF IPR Disclouser Page
- The NomCom
- IETF Secretariat

Related Web Pages: IASA • IAB • RFC Editor • IANA • IETF • IETF Trust • ISOC

ISOC Fellowship to the IETF Program
The IETF is an organized activity of the Internet Society, a nonprofit organization founded in 1992 to provide leadership in Internet-related standards, education, and policy. ISOC is supported by more than 90 organizations.
Participating in the efforts of the IETF

The IETF is not a membership organization (no cards, no ches, no secret handshakes :-)

The IETF is a large open international community of network designers, operators, vendors, and researchers concerned with the evolution of the Internet architecture and the smooth operation of the Internet. It is open to any interested individual.

The actual technical work of the IETF is done in its working groups. To become a participant in the IETF, one merely becomes active in one or more working groups by asking to be added to the WG's mailing list.

Welcome to the IETF

David Clark, Senior Researcher, MIT LCS

“Well, it started out with twelve people in a room.”

“So we decided we needed to split off a smaller advisory group and then a larger ... [one], and the advisory group has changed its name four times. It's a deliberate strategy. If you want to [make sure] people don't find you and ask if they can join, the one thing you can do is rename it every two years so they can't find you. So we used to call it the Internet Configuration Control Board. We made that term up to make it sound as uninteresting and boring as possible so we could go meet in private without anybody noticing us. Then we called it the Internet Advisory Board, [...] .”

Oct. 1, 1997, HLS
Focus Group on Next Generation Networks (FGNGN)

FGNGN is addressing the emerging needs for global standards for Next Generation Networks.

Contact for FGNGN: ts@fgngn@itu.int

General Information
- Focus Group Structure
- Focus Group Management Team
- Press Release

Next Generation Network Standards to be Defined at ITU
Urgent standards need addressed at leading body
Geneva, 6 May 2004 - Work on next generation network (NGN) standards has found a home at ITU following intense industry debate. ...more

Meeting Information
- Schedule of FGNGN meetings
- Schedule of ITU-T meetings
- Meeting Sessions Room Allocation (Geneva Meetings)

EDH, Information and Services
- Subscription to the FGNGN mailing list and access to the IFTP area

NGN Industry Event
- A one day event to provide an overview of recent NGN direction, 18 November 2005 (during the FGNGN meeting)
- Further instructions required upon registration.
Can the Internet really work?

“You cannot build a corporate network out of TCP/IP.”

— IBM, 1992

Scientists Finally Figure Out How Bees Fly

By Sara Goodarzi
Special to LiveScience
posted 03 January 2006
260 am ET

Proponents of intelligent design, which holds that a supreme being rather than evolution is responsible for life’s complexities, have long criticized science for not being able to explain some natural phenomena, such as how bees fly.

Now scientists have put this perplexing mystery to rest.

Using a combination of high-speed digital photography and a robotic model of a bee wing, the researchers figured out the flight mechanisms of honeybees.

“For many years, people tried to understand animal flight using the aerodynamics of airplanes and helicopters,” said Douglas Altshuler, a researcher at California Institute of Technology. “In the last 10 years, flight biologists have gained a remarkable amount of understanding by shifting to experiments with robots that are capable of flapping wings with the same freedom as the animals.”

Exotic flight

The scientists analyzed pictures from hours of filming bees and mimicked the movements using robots with sensors for measuring forces.

Turns out bee flight mechanisms are more exotic than thought.

“The honeybees have a rapid wing beat,” Altshuler told LiveScience. “In contrast to the fruit fly that has one eighth the bee’s size and flies at twice the speed.”

Credit: Douglas Altshuler and Jason Vazca
This table shows the timing of the event and how quickly the route propagated (this is actually a fairly normal propagation pattern). The ASNs seeing the prefix were mostly Transit ASNs below, so this means that these routes were distributed broadly across the Internet. Almost all of the default free zone (DFZ) carried the hijacked route at least briefly.

18:47:00 uninterrupted videos of *exploding jelly*

18:47:45 first evidence of hijacked route propagating in Asia, AS path 3491 17857

18:48:00 several big trans-Pacific providers carrying hijacked route (9 ASNs)

18:48:30 several DFZ providers now carrying the bad route (and 47 ASNs)

18:49:00 most of the DFZ now carrying the bad route (and 93 ASNs)

18:49:30 all providers who will carry the hijacked route have it (total of 97 ASNs)

20:07:20 YouTube, AS 36561 advertises the /24 that has been hijacked to its providers

20:07:30 several DFZ providers stop carrying the erroneous route

20:08:00 many downstream providers also drop the bad route

20:08:30 a total of 40 some-odd providers have stopped using the hijacked route

20:18:43 and now, two more specific /25 routes are first seen from 36561

20:18:53 21 transit providers now prefer the /24 or /25 routes from 36561

20:27:12 peers of 36561 start seeing the routes that were advertised to transit at 20:07

20:50:59 evidence of attempted prepending, AS path was 3491 177557 17557

20:59:30 hijacked prefix is withdrawn by 3491, who disconnect 17557

21:00:00 the world rejoices; *gcery Jenkins online again.*
YouTube IP Hijacking

As you guys probably know Youtube's IP's are being hijacked. Trace:

- 4 host youtube.com
  youtube.com has address 205.65.153.213
  youtube.com has address 205.65.153.210
  youtube.com has address 205.65.153.261

**TL;DR:**

64.74.191.203 metric 1 from 64.151.144.149 (64.151.144.149)
Origin 192.168.1.1, localpref 100, valid, external
Community: 40000:100

No, it means that you're host's ip block has been hijacked by a more specific prefix being advertised. This is a case of IP hijacking, not case of DNS poisoning. You are receiving something stupid, etc. For people who don't know, the router will try to get the more specific prefix. This is by design, not by accident. This is a case of censorship on the internet. Anyway, I hope this doesn't get into a political situation, and someone stop this.

What action are you going to take? Are you going to filter announcements from AS31957, or just filter that specific announcement?

Considering you're in a fairly high-traffic website, I think that other operators are just going to start filtering that AS. This is a great example of global politics getting in the way of honest corporations. This is also an example of how vulnerable the internet is, and how lax providers are in their filtering policies. I don't know the large Pakistani Telecom, but it I let its not large enough that PGN should

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Wikipedia

English
The Free Encyclopedia
2,400,000+ articles

Deutsch
Die freie Enzyklopädie
784,000+ Artikel

Français
L'encyclopédie libre
617,000+ articles

Polski
Wolna encyklopedia
5,177,000+ koni

日本語
フリー百科事典
488,000+記事

Italiano
L'enciclopedia libera
465,000+ voci

Nederlands
De vrije encyclopedie
446,000+ artikelen

Português
A enciclopédia livre
380,000+ artigos

Español
La enciclopedia libre
372,000+ artículos

Русский
Свободная энциклопедия
292,000+ статей
Unpatched Windows PCs own3d in less than four minutes

Gone in 240 seconds

By John Leyden — More by this author
Published Tuesday 19th July 2008 11:45 GMT
Looking for a new job? Register your CV today

An unpatched PC is likely to last just four minutes on the internet before been attacked and compromised.

The time it takes for a PC to get itself owned varies by operating system and what activities a user engages in - but even allowing for this, putting an unpatched Windows PC directly onto the net in the hope that it downloads patches faster than it gets exploited give you "odds that you wouldn't bet on in Vegas", warns Lorna Hutchenson, a researcher at the SANS Institute's Internet Storm Centre (ISC).

The ISC maintains a survival time graph that gives an indication of how long a system might last on the internet before stumbling into the crosshairs of hackers, who routinely use automated tools to scan and commandeer vulnerable systems. Survival time, the ISC notes, has dropped markedly over the last two years, and is currently a fairly scary four minutes.

Security experts advise using a NAT (network address translation router) and personal firewall before connecting systems to the net on anything outside sacrificial systems. This best practice can create tensions between management, who want new systems up and running as quickly as possible, and security admins.

Storm worm strikes back at security pros

Researcher says those discovered trying to defeat worm suffer DDoS attacks

By Tim Greene, Network World, 10/24/07

The Storm worm is fighting back against security researchers that seek to destroy it and has them running scared, Interop New York show attendees heard Tuesday.

The worm can figure out which users are trying to probe its command-and-control servers, and it retaliates by launching DDoS attacks against them, shutting down their Internet access for days, says Josh Korman, host-protection architect for IBM/ISS, who led a session on network threats.

"As you try to investigate [Storm], it knows, and it punishes," he says. "It fights back."

As a result, researchers who have managed to glean facts about the worm are reluctant to publish their findings. "They're afraid. I've never seen this before," Korman says. "They find these things but never say anything about them."

And not without good reason, he says. Some who have managed to reverse engineer Storm in an effort to figure...
Dear HLS Faculty and Staff,

Lately there has been an insurgence of fraudulent emails at the Law School. Unfortunately, it can be hard to tell if these emails are genuine or if these emails will lead an unsuspecting person to a website that is distributing a malicious virus. Not only do these fraudulent emails direct people to websites, they also can have attachments that could potentially harbor a virus.

Recently a fraudulent email that purported to be from update@microsoft.com

sent or by using the Windows Update feature within Internet Explorer. Also, depending on how your computer is configured, you can click on the Windows Update icon located in the bottom-right corner of your screen.

ITS is committed to helping the community detect if an email is genuine or fraudulent. The following is a list of helpful tips to help protect your computer and your personal information from email fraud.

* Be wary of emails that have misspellings, poor grammar or odd characters. These emails are a red flag for fraud.

* If you doubt the legitimacy of an email, DON'T DO ANYTHING. Don't open the attachment, don't click on the link, and don't respond to the message. Instead, try and reach the sender by telephone and verify whether or not the message is legitimate and whether or not you should do anything. If you don't make any progress, please contact the Help Desk.

* Legitimate companies that you do business with will not solicit personal information from you unless you initiate the contact.

* Treat your HLS e-mail address the way you treat your social security number or your credit card numbers. Use it only for HLS related communication and share it only with known, trusted people outside of the community. If you regularly purchase things on the Internet or visit sites that require an e-mail address, you may want to obtain a free Hotmail or Yahoo account to use for these purposes.
She turned and ventured in the direction of the side-dock counter. There, on one of the stools, sat Captain's corner, drinking a cup of coffee and reading the newspaper. So her grandmother invited her to join them. When they were seated, the old man said, "Some of them," Billy said, "can't get a place for half the price. But what I really think is just a place that will fit you. Are you looking for a place?"

She said, "I've been looking."

"I've only just had the one dog," she said, "and I don't want another."

"Edgar's granddaughter said about her own sister, and how she had to take a dog for a pup. He told me he could have the pick of the litter, and furthermore..."
“We define everything that is on the phone ... You don’t want your phone to be like a PC. The last thing you want is to have loaded three apps on your phone and then you go to make a call and it doesn’t work anymore. These are more like iPods than they are like computers.”

Apple pulls Box Office from App Store

Posted Aug 4th 2008 11:00AM by Robert Palmer
Filed under: App Store

Gizmodo is reporting that Box Office, an app that gives showtimes for your area, along with movie synopses and images from RottenTomatoes.com and other online sources, has been pulled from the App Store.

MetaSytactic, the developer, claims they have received no communication from Apple on the subject, despite emailing Apple about the situation. They also say they communicate regularly with all their data providers, and none have issues with the app.

Late last week, NetShare was mysteriously yanked under the same cloud of secrecy. As we mentioned in last night's talkcast, it's clear that Apple has complete control over what you install on your iPhone or iPod touch.

Gizmodo speculates that something might be going on "under the surface -- an undiscovered security flaw, maybe."

Tags: appstore, box.office, BoxOffice, MetaSytactic
Dear Steve,

A quick note to let you know what kinds of apps are being rejected for the App Store.

This app is not defamatory, harmful or speaking untruth. It is lighthearted and humorous. Does it imply critique? Of course it does, but not without crossing any lines of decency or the boundaries agreement.

Sincerely,
Alec Vance
juggleware llc

Even though my personal political leanings are democratic, I think this app will be offensive to roughly half our customers. What’s the point?

Steve
The App Store could spread like wildfire through Apple’s product line

JULY 28TH, 2008

You may not realize it yet, but Apple’s newly launched App Store is going to transform the company again. Think of Apple without iTunes. Yeah, it's hard to do now. Soon it will be the same way for the App Store.

Forget the iPhone 3G; it's the App Store that has taken the product to the next level. More and more apps roll out each day — it’s literally like the gift that keeps on giving. We’re barely two weeks into its launch and there are already far more apps than anyone can use (over 1,000). The cream will rise to the top and a highly visible front-running winner will emerge, just like with iTunes.

But even just gauging from what we’ve seen so far, I suspect that all future versions of the App Store will roll out across other devices in the Apple product line in the coming years.

There are the obvious ones:

The iPod

In the not-too-distant future there will be two types of iPods: Those that have access to the App Store and the iPod Shuffle. The original iPod, now called the “iPod classic” will eventually be laid to rest in favor of the iPod Touch which already runs the App Store. The iPod Nano will surely become a small touchscreen as well one day — with Wi-Fi, and it...
Amazon retreats on Kindle's text-to-speech issue

by Greg Sandoval

February 27, 2009 5:14 PM PST

Amazon has been fighting the publishing industry on the issue of whether the Kindle 2's text-to-speech function violates copyright.

The retailer, which makes the popular Kindle electronic-book reader, announced late Friday that the company is modifying systems to allow authors and publishers to decide whether to enable Kindle's text-to-speech function on a per-title basis.

Amazon starts its press release with tough talk. "Kindle 2's experimental text-to-speech feature is legal," Amazon wrote. "No copy is made, no derivative work is created, and no performance is being given."

But from the company's press release, "We're bringing better audio rights to authors," will be more uncomfortable with the text-to-speech feature if they are in the driver's seat," Amazon said.

There is no mistaking what happened here: Amazon caved. For Kindle owners interested in the text-to-speech feature, the reader just lost value.

The Authors Guild, a trade group representing 5,000 book authors had criticized Amazon since the Kindle 2 debuted earlier this month. The guild's president told CNET this week that Amazon was taking a hard-line position in discussions between the guild and the company. He also said there was a possibility that the guild could sue over the issue.

"Anytime you have a new means of accessing content," said Paul Aiken, "there's always some sort of aggregator that wants to control it and keep the value to themselves."

Ford Motor Co., which helped fund the Electronic Frontier Foundation, has yet to issue a public statement on the issue.
FBI taps cell phone mic as eavesdropping tool

By Declan McCullagh
Story last modified Mon Dec 04 06:55:51 PST 2006

The FBI appears to have begun using a novel form of electronic surveillance in criminal investigations: remotely activating a mobile phone's microphone and using it to eavesdrop on nearby conversations.

The technique is called a "roving bug," and was approved by top U.S. Department of Justice officials for use against members of a New York organized crime family who were wary of conventional surveillance techniques such as tailing a suspect or wiretapping him.

Nextel cell phones owned by two alleged mobsters, John Aloisi and his attorney Peter Pelosi, were used by the FBI to listen in on nearby conversations. The FBI views Aloisi as one of the most powerful men in the Genovese family, a major part of the national Mafia.

The surveillance technique came to light in an opinion published this week by U.S. District Judge Lewis Kaplan. He ruled that the "roving bug" was legal because federal wiretapping law is broad enough to permit eavesdropping even of conversations that take place near a suspect's cell phone.

Kaplan's opinion said that the eavesdropping technique "enables the FBI to listen in from a distance without placing a microphone on the phone. The microphone can be remotely activated to listen in when it is turned off, or is not in use."

While the Genovese crime family prosecution appears to be the first time a remote-eavesdropping mechanism has been used in a criminal case, the technique has been discussed in security circles for years.

The U.S. Commerce Department's security office warns that "a cellular telephone can be turned into a microphone and transmitter for the purpose of listening to conversations in the vicinity of the phone." An article in the Financial Times last year said mobile providers can remotely install a piece of software on to any handset, without the owner's knowledge, which will activate the microphone even when its owner is not making a call.

Nextel and Samsung handsets and the Motorola RAZR are especially vulnerable to software downloads that activate their microphones, said James Atkinson, a counter-surveillance consultant who has worked closely with government agencies. "They can be remotely accessed and made to transmit radio audio all the time," he said. "You can do that without having physical access to the phone."

Because modern handsets are miniature computers, downloaded software could modify the usual interface that always displays when a call is in.
The Federal Posse Comitatus Doctrine: Slavery, Compulsion, and Statecraft in Mid-Nineteenth-Century America

GAUTHAM RAO

The measure has a right to call upon the States and people ... no local citizens to the Constitution and the Laws of the United States, no bound, however subservient, to model him, and owing allegiance to the State. One is a binding, this binding upon every good and loyal citizen.

Robert J. Ban, Attorney General of Maryland (1812)

[reconstruction or "Mr. Polk"

The great problem in American machinery ... to be solved by the American spirit of the age; there lies the hope of the times.

Walter M. Poic, "Constitutional State Control,"

The Law Journal 3 (1835): 20

In mid-nineteenth century America, as in pre-industrial England, it was commonplace to witness criminals accompanying sheriffs and justices, accepting the countrywide in fear of convicts, raidings, and other law-breaking. These criminals were, in fact, the posse comitatus, or unaccompanied, nonprofessional citizens assisting law enforcement officers. As the case, the posse comitatus was a necessary institution. Prior to the advent of centralized police forces, sheriffs and others compelled citizens to serve "in the name of the state" to ensure service, keep public order, and keep the peace. "posse of the real improvement." Despite its concrete character, though, the posse was widely understood as one among many extraneous duties and protected for "public welfare." Americans tended to the call to serve in local peace, explained John Edward Linnegar, because of "the strict duty of keeping the peace, and maintaining order." The posse comitatus comprised those that "serve the state, ... with their bodies," were "sufficiently armed good citizens."2

States and localities extended this power over persons with little apparent difficulty. Just as in the story of Cento, it illustrates, the federal
Sites Blocked in China - Also Blocked in Saudi Arabia

Empirical Analysis of Internet Filtering in China

The listings below give specific web sites found to be blocked in China. Where available, each page listing includes its HTML title, its META keywords and description, its Yahoo Directory and Google Directory category classifications, and its Google inbound link count. These details are as retrieved in November 2012. All "blocked on" reports refer to listings in the year 2012.

As detailed in the technical appendix, the overwhelming majority of listed sites were found to be blocked in their entirety. The listing below includes a notation when our testing specifically confirms the blocking of additional portions of a site. Where indicated, blocking of entire sites was confirmed on the basis of DNS redirection. The appendix also provides details as to the method of calculation and presentation of "blocking quotient" data.

Unencoded support and various Asian character sets are required to view this listing in its entirety. Recent versions of Internet Explorer automatically offer to install language add-ons as needed.

4 Marijuana: marijuana related news, chat, forums, pictures, and learn to grow medical marijuana from seeds!

http://www.marijuana.com

4 Pharma: prescription, over-the-counter and herbal supplements, vitamins, and natural health products.

http://www.pharma.com

4 Family: family health, nutrition, and fitness for all ages.

http://www.family.com

4 Landscape: landscape design, gardening, and maintenance.

http://www.landscape.com

4 Science: science news, research, and technology.

http://www.science.com

4 Technology: technology news, products, and reviews.

http://www.technology.com

4 Education: educational resources, tools, and information.

http://www.education.com


http://www.books.com

4 Music: music news, reviews, and downloads.

http://www.music.com

4 Sports: sports news, scores, and rankings.

http://www.sports.com

4 Food: recipes, cooking tips, and food-related news.

http://www.food.com

4 Automotive: automotive news, reviews, and buying guides.

http://www.automotive.com

4 Travel: travel news, destinations, and reviews.

http://www.travel.com

4 Recreation: outdoor activities, hobbies, and leisure.

http://www.recreation.com

4 Movies: movie news, reviews, and recommendations.

http://www.movies.com

4 TV: television news, shows, and schedules.

http://www.tv.com

4 Radio: radio news, streaming, and music.

http://www.radio.com

4 Internet: internet news, technology, and networking.

http://www.internet.com

5 Health: health news, research, and resources.

http://www.health.com

5 Financial: financial news, money management, and investing.

http://www.financial.com

5 Legal: legal news, law, and government.

http://www.legal.com

5 Environmental: environmental news, conservation, and sustainability.

http://www.environmental.com

5 Political: political news, government, and election updates.

http://www.political.com

5 Social: social news, issues, and trends.

http://www.social.com

5 Business: business news, finance, and economics.

http://www.business.com

5 Education: educational resources, tools, and information.

http://www.education.com

5 Technology: technology news, products, and reviews.

http://www.technology.com

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5 Business: business news, finance, and economics.

http://www.business.com

5 Education: educational resources, tools, and information.

http://www.education.com

5 Technology: technology news, products, and reviews.

http://www.technology.com

5 Health: health news, research, and resources.

http://www.health.com

5 Financial: financial news, money management, and investing.

http://www.financial.com

5 Legal: legal news, law, and government.

http://www.legal.com

5 Environmental: environmental news, conservation, and sustainability.

http://www.environmental.com

5 Political: political news, government, and election updates.

http://www.political.com

5 Social: social news, issues, and trends.

http://www.social.com
Need ride to Pittsburgh this weekend 6/27 - (Pittsburgh)

I Wanna Go On A Road Trip -

NY to Atlanta - looking for a ride -

Looking for a ride to Montreal June 27th - (Lower East Side)

Driving to Newark airport at 11:50 AM today - (Noesin / Bovery)

ride to Boston area or Providence available tonight - (Midtown)

20. Truck Share to West Coast, CA - July 7 - 14 Departure - (Tristate:917-813-0338)

offered: NYC to Albany today - (Upper West Side)