


Net Neutrality


What is it? Is the Internet in Danger?



Net Neutrality

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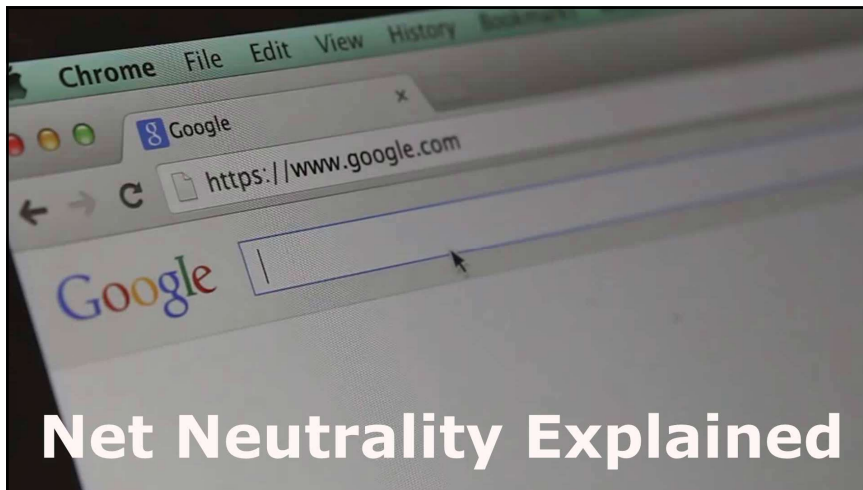
March 29, 2018
by Dan Regenold
Managing Board Member, EmpowerU



Net Neutrality

What is it? Is the Internet in Danger?

What is Net Neutrality?





Net Neutrality Explained

Net Neutrality


What is it? Is the Internet in Danger?


All Content Shall Be Treated Equally...



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The History of Net Neutrality

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What is it? Is the Internet in Danger?

1990
Internet Started
World Wide Web started
By computer scientist
Tim Berners-Lee






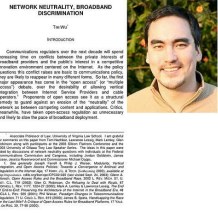
Al Gore

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January 12, 2003
"Net Neutrality" Coined
Law Professor Tim Wu first uses the
phrase "net neutrality" in a law review
article.







January 12, 2003

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March 5, 2005
FCC Orders ISP to Stop Blocking VoIP
 The FCC fines North Carolina-based ISP Madison River Communications for preventing its subscribers from using a VoIP service that competes with Madison River's own voice calling offering land line.

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September 23, 2005
FCC Issues Internet Policy Statement
 The FCC Internet Policy Statement sets out proto-net neutrality rules for ISPs.






Then-FCC Chairman Kevin Martin

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November 6, 2005
"Anybody who expects to use pipes for free is nuts!"
 AT&T CEO Edward Whitacre inadvertently confirms why net neutrality is important: ISPs want to demand a cut from every website just to reach their customers.






Edward Whitacre

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May 1, 2006
Senate Considers Net Neutrality Law
 As part of a proposed (but ultimately doomed) attempt to update the Communications Act, the Senate considers a bill that includes a reference to net neutrality.

Alaska Senator Ted Stevens was the Chairman of the Senate Commerce Committee


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February 7, 2007

Skype Requests Wireless Right to Attach

Skype files a request with the FCC to extend wireline "cartefone" rules to wireless. This would give customers the right to attach any non-harmful device to wireless networks, just like they can with wired telephone networks. The freedom of the original cartefone rules gave us things like fax machines, voicemail, and dial up internet.



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September 1, 2007 — 12:00 AM
November 1, 2007



Comcast Blocks Bittorrent

Although it initially denies doing so, Comcast begins interfering with Bittorrent traffic on its network.

12:00 AM
October 23, 2007

Comcast Denies Blocking Bittorrent

Comcast insists that it only "delays" the traffic.

(File Sharing Programs)


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November 1, 2007

Comcast/Bittorrent Complaint

Public Knowledge and Free Press file a complaint demanding that the FCC investigate Comcast's Bittorrent blocking.



Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554

Formal Complaint of)
Free Press and Public Knowledge)
Against Comcast Corporation)
For Secretly Degrading Peer-to-Peer Applications)
To: Ms. Marlene H. Dortch, Secretary, FCC)

Formal Complaint

Free Press and Public Knowledge file this complaint regarding Comcast's practices of secretly degrading applications on its broadband network. Comcast, the nation's number two



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January 9, 2008

The FCC Steps In

Responding to Public Knowledge and Free Press' complaint, the FCC opens an investigation into Comcast's treatment of Bittorrent traffic.






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August 1, 2008
FCC Orders Comcast to Stop Discriminating
 The FCC issues an order documenting Comcast's behavior and prohibiting Comcast from discriminating against Bittorrent traffic.



September 4, 2008
Comcast Appeals
 Comcast appeals the FCC order to the D.C. Circuit Court of Appeals.

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November 4, 2008
Barack Obama Wins Presidency
 Advocating net neutrality, Barack Obama wins the 2008 presidential election.

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April 6, 2010
D.C. Circuit Rules in Favor of Comcast
 The D.C. Circuit court rejects the FCC's use of Title I ancillary authority in punishing Comcast and calls into question the FCC's ability to issue net neutrality rules.



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May 5, 2010
FCC Chairman Genachowski Announces a "New Way"
 FCC Chairman Genachowski considers reclassifying the transmission component of broadband service as a telecommunications service (Title II). Doing so would clarify the FCC's authority to implement net neutrality rules which would require that all data be treated equally.




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August 9, 2010

Google and Verizon Attempt to Cut Net Neutrality Deal

Reversing its longstanding position as a net neutrality supporter, Google announces a compromise with Verizon that would exclude larger parts of the internet from protection. Ultimately, the agreement is not adopted. (Google-Verizon try to create their own set of rules to (so big) pre-empt Government action).



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December 21, 2010

FCC Issues the Open Internet Order

FCC decides to issue the Open Internet rules. The Federal Communications Commission Open Internet Order is a set of regulations that move towards the establishment of the [internet neutrality](#) concept

Rules go into effect 11/20/2011.



I. **PRESERVING THE FREE AND OPEN INTERNET**

1. Today the Commission takes an important step to preserve the Internet as an open platform for innovation, investment, job creation, economic growth, competition, and free expression. To provide greater clarity and certainty regarding the continued freedom and openness of the Internet, we adopt three basic rules that are grounded in broadly accepted Internet norms, as well as our own prior decisions:

i. **Transparency.** Fixed and mobile broadband providers must disclose the network management practices, performance characteristics, and terms and conditions of their broadband services;

ii. **No blocking.** Fixed broadband providers may not block lawful content, applications, services, or non-harmful devices; mobile broadband providers may not block lawful websites, or block applications that compete with their voice or video telephony services; and

iii. **No unreasonable discrimination.** Fixed broadband providers may not unreasonably discriminate in transmitting lawful network traffic.



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September 30, 2011

Verizon Challenges the Open Order

Verizon appeals the Open Internet Order to the D.C. Circuit, questioning the FCC's authority to impose the Open Internet rules.

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September 18, 2012

Public Interest Groups Tell AT&T to Stop Blocking FaceTime

AT&T decides to block FaceTime on its mobile networks for subscribers unless they enter into a "Mobile Share" plan.

12:00 AM
January 16, 2013

AT&T Agrees to Unblock FaceTime

After pressure from public interest groups using the FCC's Open Internet procedure, AT&T agrees to end its blocking of FaceTime.





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What is it? Is the Internet in Danger?

Sidebar: Reason for the History Lesson

Proven cases of potential problems in no Net Neutrality.

- VOIP --ISP's tried to Block
- Verizon—Censorship of Pro-Abortion Website
- Skype—had to fight to Adding to Internet Openess
- Comcast— Interrupting Bittorrent Trafic
- ATT—Facetime
- Comcast—Slowdown of Netflix





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September 9, 2013

But For...

During oral arguments, Verizon concedes that the FCC's Open Internet rules are the only thing preventing it from charging websites from reaching Verizon subscribers. (Pay to view internet sites?)



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June 1, 2014

Net Neutrality Crashes Last Week Tonight

John Oliver spends half of his weekly program explaining net neutrality and calling on the public to comment with the FCC to protect it. The FCC website crashes under the strain of comments.



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July 15, 2014

FCC Receives 1.1 Million Comments

In the initial round, the FCC receives 1.1 million comments. After the FCC releases the contents of the docket as a bulk data resource (a first for the Commission), the Sunlight Foundation determines that "less than 1% of comments were clearly opposed to net neutrality."



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September 15, 2014

Reply Comments Push Docket to 3.7 million

The FCC's server crashes again as millions more people, companies, and advocacy organizations weigh in on the open internet rules.

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November 10, 2014



President Obama Endorses Title II

In a video announcement, President Obama reiterates his support for strong open internet rules and for the first time explicitly calls for those rules to be grounded in Title II Net Neutrality authority. (Obama supported reclassifying ISPs as common carriers under Title II that will reclassify broadband traffic as a Title II telecommunications service of the [Communications Act of 1934](#).)

February 26, 2015

FCC Passes Title II Net Neutrality Rules

In a 3-2 party-line vote, the FCC passes open internet rules applying to both wired and wireless internet connections grounded in Title II authority.



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June 14, 2016

D.C. Circuit Affirms Open Internet Order

D.C. Circuit affirms the FCC's Open Internet rules, protecting net neutrality for consumers using both wired and wireless connections to access the internet. Again, the law affirms that no Internet Service Provider should be able to block or throttle your connection to control your online experience.



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November 8, 2016

Donald Trump is Elected

The make up of the FCC Changes in January 2017

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April 26, 2017



New FCC Chairman Pai Announces Plan to Roll Back Net Neutrality Rules

The new FCC's Chairman, Ajit Pai, publicly confirms his intent to roll back the 2015 Open Internet Order by announcing a Notice of Proposed Rulemaking during a speech to industry professionals. The NPRM would begin the new Chairman's process for seeking comment on how to reverse the agency's popular net neutrality rules.

November 21, 2017

FCC Chairman Pai Moves to Strip Net Neutrality

FCC Chairman Pai circulates the "Restoring Internet Freedom" draft Order to roll back the agency's 2015 net neutrality rules.



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May 18, 2017

FCC Votes to Begin Rollback Process of Net Neutrality Rules

The FCC votes along party lines to begin moving forward on the Notice of Proposed Rulemaking targeting the 2015 net neutrality rules, opening the door to public comment on the current rules and possible revisions that rely on "voluntary" net neutrality agreements from internet service providers.



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December 14, 2017

FCC Repeals Net Neutrality

The FCC votes to adopt Chairman Pai's "Restoring Internet Freedom" proposal.


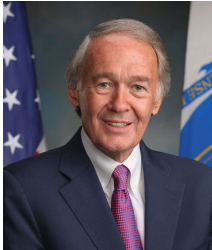
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December 14, 2017

Senator Markey Announces Plan to Undo the FCC's Vote to Roll Back Net Neutrality

Senator Markey (D-Mass.) announces he plans to introduce a Congressional Review Act resolution to overturn the FCC's net neutrality repeal, which would restore the agency's 2015 rules. More than 15 senators agree to support a CRA to restore the rules.

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January 2018

21 States Sue the FCC to Restore net Neutrality Rules

A group of 21 U.S. state attorneys general filed suit to challenge the Federal Communications Commission's decision to do away with net neutrality on Tuesday while Democrats said they needed just one more vote in the Senate to repeal the FCC ruling.

The state attorneys, including those of California, New York and Virginia as well as the District of Columbia, filed a petition to challenge the action, calling it "arbitrary, capricious and an abuse of discretion" and saying that it violated federal laws and regulations.

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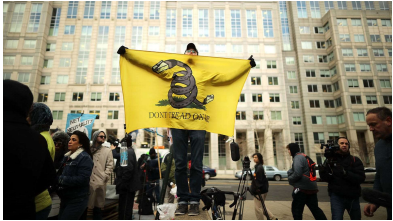
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January 2018

States have started to establish their own net neutrality rules


...after the FCC repealed rules at the federal level.

But: The FCC's repeal of Net Neutrality preempted state action—telling states they did not have authority to regulate the internet.. But critics of the FCC have doubts that states do not have certain rights over internet transmission..

Net Neutrality

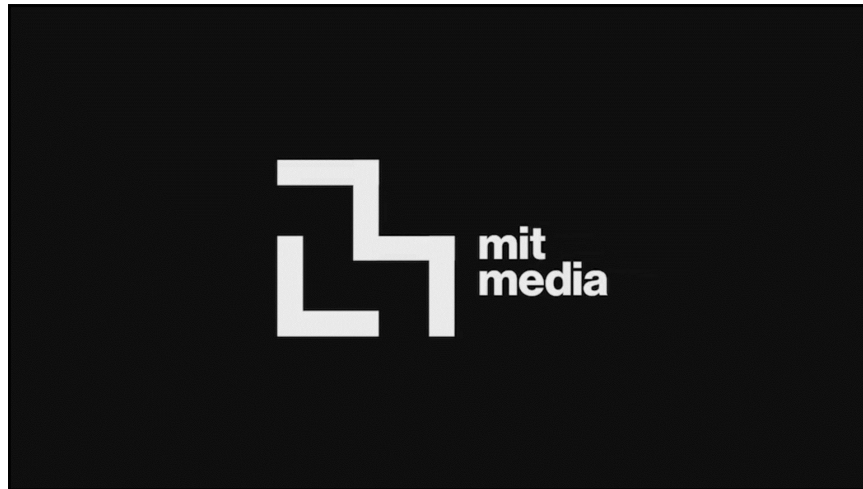
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The Case for Net Neutrality



John Oliver Started This Out



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The Real Concern for Ecommerce Companies

- Examples in place of ISP's (already) changing speed, traffic of websites.
- Will ISP's determine whether some ecommerce companies are more successful than others? Frameusa.com?
- Google—now changing the marketplace.
- EmpowerU—Change to slow traffic because political/conservative?
- All these concerns are real.

 A screenshot of the FrameUSA website. The page features a navigation menu with categories like 'Wood Frames', 'Metal Frames', 'Poster Frames', 'Shadowboxes', 'Engraved Frames', and '24 Hr Shipping'. Below the menu, there are several product listings, including 'Specialty Frames', 'Custom Framing', and 'Cheap Picture Frames'. A prominent promotional banner offers '12% off All Wood Frames' with a coupon code 'spring'. Another banner advertises 'FREE SHIPPING ON ORDERS OVER \$25'. The website also includes a search bar and a 'Sign In' link.

If the Internet was a restaurant...
without **Net Neutrality**

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 An illustration showing two hands, one labeled 'ISP' and the other 'ISP', holding a pair of scissors that are cutting through the word 'INTERNET'. The word is written in a bold, blocky font.


Summarizing The Case For Net Neutrality

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What is it? Is the Internet in Danger?


For Net Neutrality

- Everything (all data) Should be Treated Equally----Internet needs to be a Level Playing Field.
- The Internet isn't broken was try and break it?
- What is wrong with what we have today? (Have people stopped investing in the internet / cable?)
- Broadband providers shouldn't get to decide what to speed up or slow down (Comcast-Netflix 2014)
- Censorship of WebSites and website materials can occur. (Verizon said they can censor...) Do you Want Your Internet Censored?
- There can be a slowdown of websites. A shakedown!
- No one should be able to control the internet side of the pipeline. Do we want only one wire coming into your house for everything. (now two wires cable and internet). Do you only want one wire--cable?
- Will BIG companies use slowdown steaming speeds as a negotiating tactic to get more revenue.
- Will startup competitors be able to afford higher stream prices? Or will they be 2nd Class Citizens?
- Do you want BIG companies to be able to buy their way into the Fast Lane?
- Do we trust these big companies? Is there a problem with Lack of Providers (the free market rationalization)
- Google, Facebook, Netflix all favor Net Neutrality—can these three all be wrong?

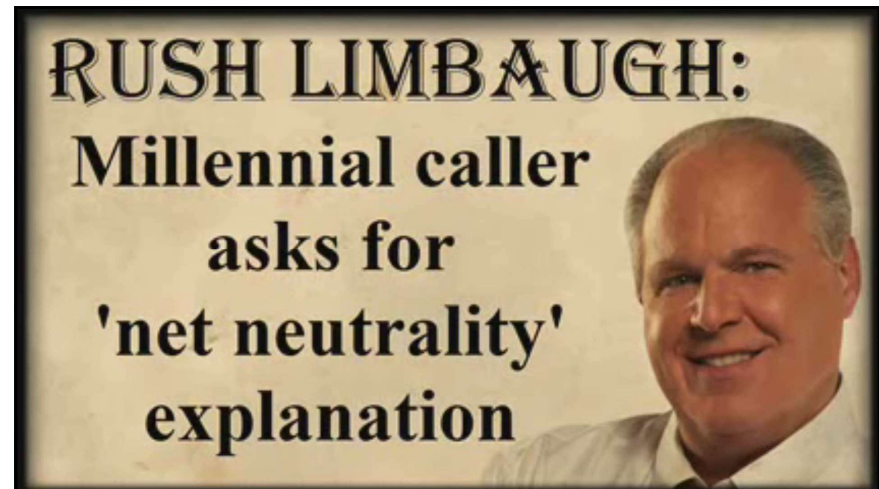


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The Case Against Net Neutrality





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What is it? Is the Internet in Danger?



Summarizing The Case Against Net Neutrality

Net Neutrality

What is it? Is the Internet in Danger?



Against Net Neutrality

- With Net Neutrality there will be more Government oversight and regulations which will stifle growth. Rules are hard to define.
- Free Market is Better—If you don't like Comcast switch to Verizon. Don't demonize companies just because they are Comcast or BIG.
- Do we want the FCC and the Government running the Internet to protect us against big companies?
- Will Government enforce fairness? Or will it be the other way around? (favorites?)
- Will the Government suppress new technology (like FM, Cell Phone technology) as a perk to their favorite groups.
- The Internet is the one medium which has not been regulated. Look at how it has expanded how FREE it has been, how unregulated. Look at how well the free market has done.
- The Internet will be less expensive if the Government isn't involved. There will be more economical packages for consumers to purchase.
- This just takes the Internet back to where it was 2-3 years ago—unregulated—before Obama.
- Rules are hard to define—will you get unintended consequences? Little actual evidence that web speeds are being throttled.


Metro PCS—Google-YouTube You want the market to compete and invent business models

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More Against Net Neutrality


- Free Market is much better, because competition produces results.
- They've told you this is about Equality. Every service provider already shapes data (what they are telling you Net Neutrality eradicates). One cell phone is different than another—some faster some slower.
- Net Neutrality is a cosmetic license for the Government to interfere between private people and their providers. Get the Government out of the relationship.



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The Current Situation and The States Against Net Neutrality



THE HUMANIST REPORT

with Mike Figueredo


What's Happening Now?

Net Neutrality

What is it? Is the Internet in Danger?

Watch very closely what is going on in the States Around the Country

Twenty-one states, the District of Columbia and several public interest groups filed the first major lawsuits to block the repeal of the Federal Communications Commission's net neutrality rules, marking the start of a high-stakes legal battle over the future of the Internet.




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Examples

- New York legislators start to push a bill that would require internet providers that work with the state to comply with net neutrality rules.
- A bill in Washington would ban blocking, throttling and paid "fast lanes" on the internet. The federal rules did the same before they were repealed.
- Lawmakers in New York and California are also working on additional net neutrality legislation.

The net neutrality debate isn't going away, it's just changing venues. Expect battles at the state level, in the courts as well as the halls of Congress.




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Questions and Comments?

What Say You For or Against Net Neutrality?





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What is it? Is the Internet in Danger?

Thank You for Attending EmpowerU's Triple Header Tonight!

***Reds **Library Levy **Net Neutrality**

Comments: info@empoweruohio.org

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Thank you to:
PublicKnowledge.org for their timeline on the History of Net Neutrality. These other articles were used in this presentation:

- <https://www.wired.com/story/how-the-fccs-net-neutrality-plan-breaks-with-50-years-of-history/>
- <https://www.cnet.com/news/net-neutrality-from-there-to-here/>
- <http://whatisthenetneutrality.org/timeline>
- <https://www.theatlantic.com/technology/archive/2014/04/the-best-writing-on-net-neutrality/361237/>
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