Net Neutrality

The Need for Pro-Consumer Protections to Preserve an Open Internet

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Introduction

• **Who I am…**
  • Director of Open Internet Policy for New America’s Open Technology Institute

• **OTI**
  • Two primary portfolios of policy issues: Open and Secure
  • With an emphasis on technology development
  • We look for policy solutions that are both reflective of lived experiences and technologically sound
  • A decade’s worth of work on net neutrality
Net Neutrality

• The Problem:
  • ISPs and their terminating access monopoly
  • Creates the ability to discriminate against some content
  • What about the incentive?
    • $$$
    • Politics
    • ISPs’ own competing services
Interconnection

• OTI Research Paper: “Beyond Frustrated”
  • Based on data analysis released by Measurement Lab

• Demonstrated Significant and Sustained Consumer Harm
  • Month after month of degraded service, particularly for latency-sensitive and higher bandwidth content

• What Happened
  • Severe congestion at points of interconnection between transit providers and “last-mile” providers
Content and backbone providers have several competitive options to reach an ISP - but in all cases they then have to go through the ISP itself to reach its end-users.

Many competitive options in the “backbone”

Only one option to reach the end user: the traffic has to go through his/her ISP.

Internet Content Companies

Option 1: Purchase IP transit services from one or more Backbone Providers

Provider A
Provider B
Provider C

Option 2: Purchase CDN* services

* CDN = Content Delivery Network

Option 3: Build own backbone or CDN

Mass-Market Internet Service Provider (ISP) Network

Interconnection points

ISP’s End User

Option 1: Purchase IP transit services from one or more Backbone Providers

Provider A
Provider B
Provider C