

OpenDNS

OpenDNS Update

November 3, 2007

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I can has some topics?

- What are we actually offering people. This isn't a sales pitch, but you should know.
- NXDOMAIN vs. SERVFAIL abuse
- Fun with NXDOMAIN
- Abusive opportunities
- ~~We share with “the community” but do you?~~
- Watching ISPs is worse than watching *Everybody Loves Raymond*.

OpenDNS

(aka, your feature roadmap)

Safety

- Phishing
- Adult Sites
- Any FQDN
- Category Blocking
- etc.


Insight


- Stats
- Analysis
- Reporting
- etc.

Reliability

- Anycasted
- Policy Based Routing
- etc.

Add a network














IP: . . . / 

Settings: 

Label: (i.e. "Office")

ADD THIS NETWORK

Manage your networks (click on a label to edit)

| LABEL | <u>IP</u> | STATS | SETTINGS | <input type="checkbox"/> |
|------------------------|--|---|---|--------------------------|
| Level3 - San Diego - 2 | 4.79.232.0/25 |  |  | <input type="checkbox"/> |
| My VPN Connection | 38.99.21.22 |  |  | <input type="checkbox"/> |
| My Desktop | 38.99.21.48 |  |  | <input type="checkbox"/> |
| Part of Minor Ventures | 38.114.140.110 |  |  | <input type="checkbox"/> |
| Level3 - San Diego | 64.158.219.0/24 |  |  | <input type="checkbox"/> |
| Some Random In SD |  64.158.219.220 |  |  | <input type="checkbox"/> |

DELETE

Statistics and Charts

38.99.21.22/32 (My VPN Co ▾)

Total Requests

Total Unique Domains

Total Unique IPs

Domains

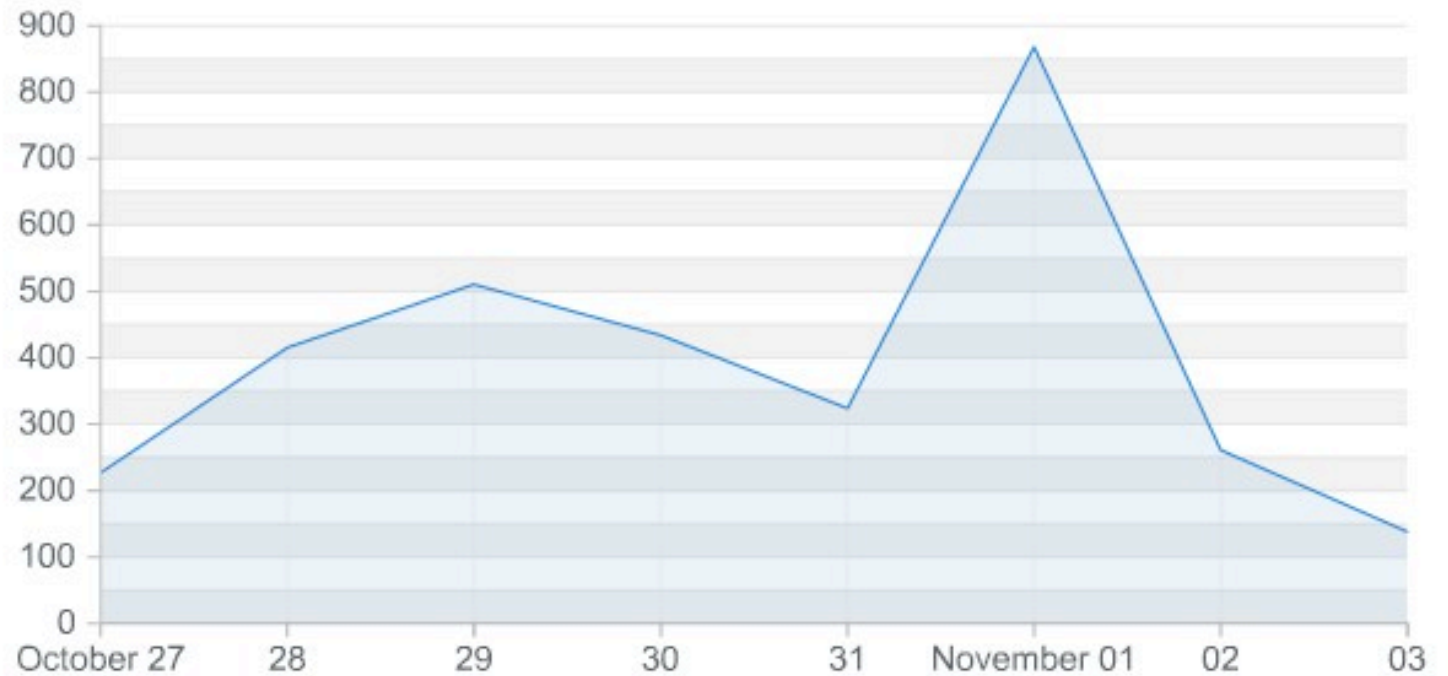
Blocked Domains

Request Types

This is your Dashboard

Every element on this page is designed to give you a quick snapshot look into your DNS. Dive deeper for customizable charts, tables and raw data.

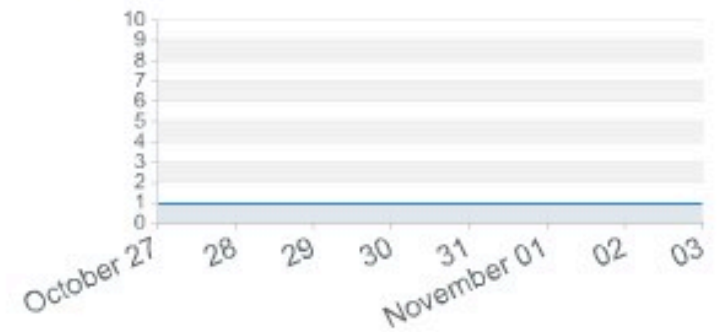
Recent Activity (38.99.21.22/32 (My VPN Connection), last 8 days)



Unique Domains



Unique IPs



Block Domains

Have you ever wanted to just block a single website (like MySpace.com)? It's hard to do on a firewall, but easy with OpenDNS. OpenDNS lets you block any domain from resolving on your network by adding it to the list below.

Examples: myspace.com, mail.yahoo.com

BLOCK THIS DOMAIN

Apply to all my networks

BLOCKED DOMAIN

doubleclick.net

goatse.cx

hai2u.com

meatspin.com



Delete from all networks

DELETE

Manage Stats and Logs

OpenDNS logs your DNS data in order to provide you helpful, insightful charts and stats about DNS activity on your network(s). **How your data is handled is your choice, not ours.** The two settings below are independent.

Enable stats and logs

OpenDNS gives you the choice to turn on (or off) data collection. If you disable this feature, we will stop logging your DNS lookups on a go-forward basis. Your charts and stats will reflect this choice: there will be no data from that point forward.

APPLY

Apply to all my networks

Delete your existing DNS data?

Reminder: deleting your data does not change the stats and logs setting. If stats and logs are enabled, new data will be logged.

YES, DELETE IT

Apply to all my networks

Manage Typo Exceptions

OpenDNS typo correction seamlessly fixes common typos like yahoo.cmo, taking you directly to yahoo.com. In some situations, such as using a VPN to get into a corporate network, typo correction can confuse existing software. With **typo exceptions**, you can enter domains, printer names, and the like to turn off typo correction just for a select set of domains particular to your network. With the exceptions list, you can use OpenDNS to the fullest (including adult site blocking), even with a VPN or local network.



Examples: color_printer, vpn.example.com, example.org

ADD TO EXCEPTIONS

Apply to all my networks

DOMAIN



vpn.corp.us.ibm.com



Delete from all networks

DELETE

Block Adult Sites

OpenDNS allows you to block adult websites on your network. Since everyone has a different idea of what "adult" content is, we've broken the feature into categories so you can pick the settings that best suit your needs or policies. [Learn more.](#)

- Block lingerie/bikini sites**
Sites displaying or dedicated to lingerie/bikini that could be considered adult-only.
- Block nudity sites**
Sites that provide images or representations of nudity.
- Block pornography sites**
Anything relating to pornography, including mild depiction, soft pornography or hard-core pornography.
- Block sexuality sites**
Sites that provide information, images or implications of bondage, sadism, masochism, fetish, beating, body piercing or self-mutilation.
- Block tasteless sites**
Sites that contain information on such subjects as mutilation, torture, horror, or the grotesque.
- Block adult-themed sites**
Sites that are adult in nature and are not defined in other rating categories.
- Block proxy/anonymizer sites**
Sites providing proxy bypass information or services. Also, sites that allow the user to surf the net anonymously, including sites that allow the user to send anonymous emails.

APPLY

Apply to all my networks



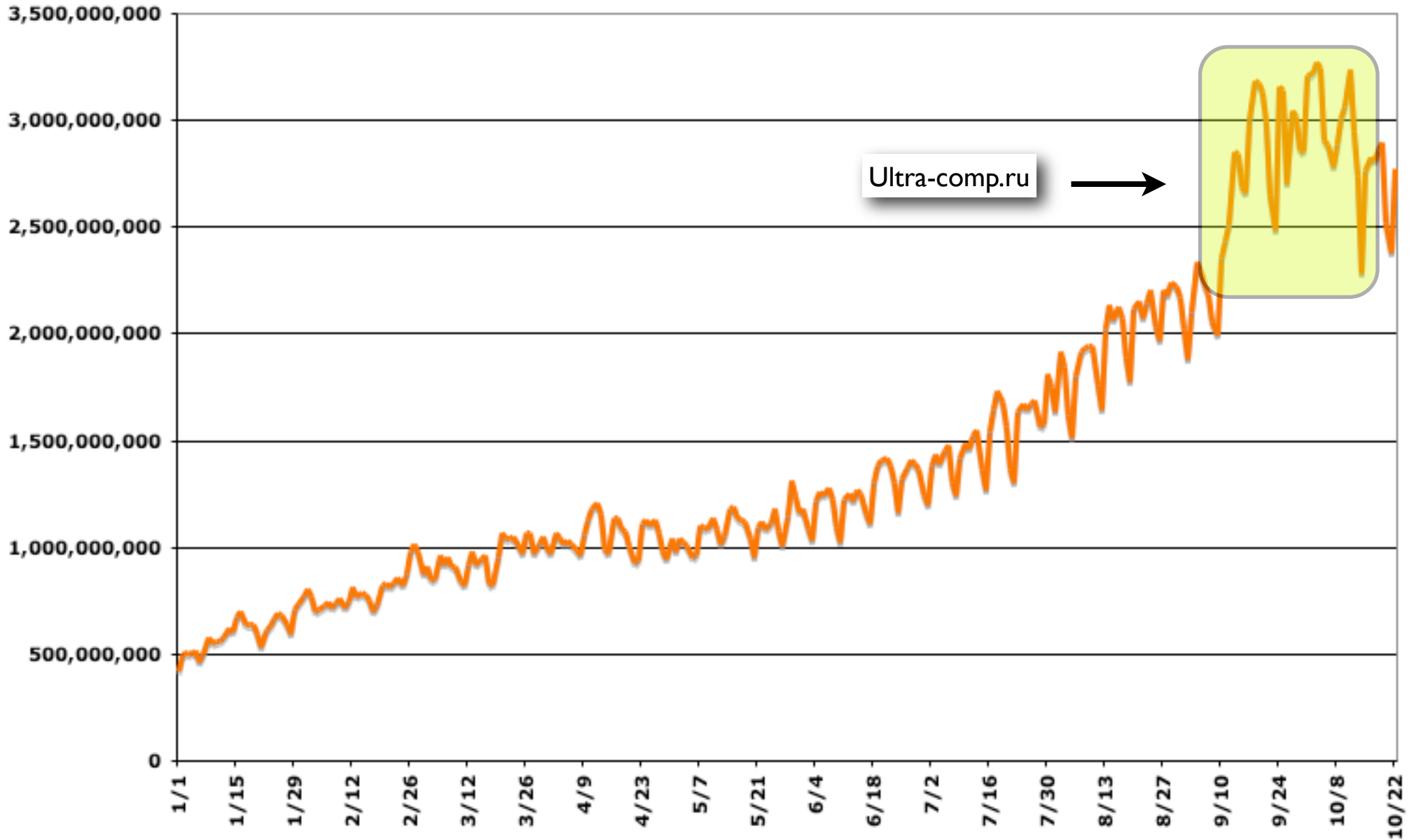
ZOMG!
Bots!

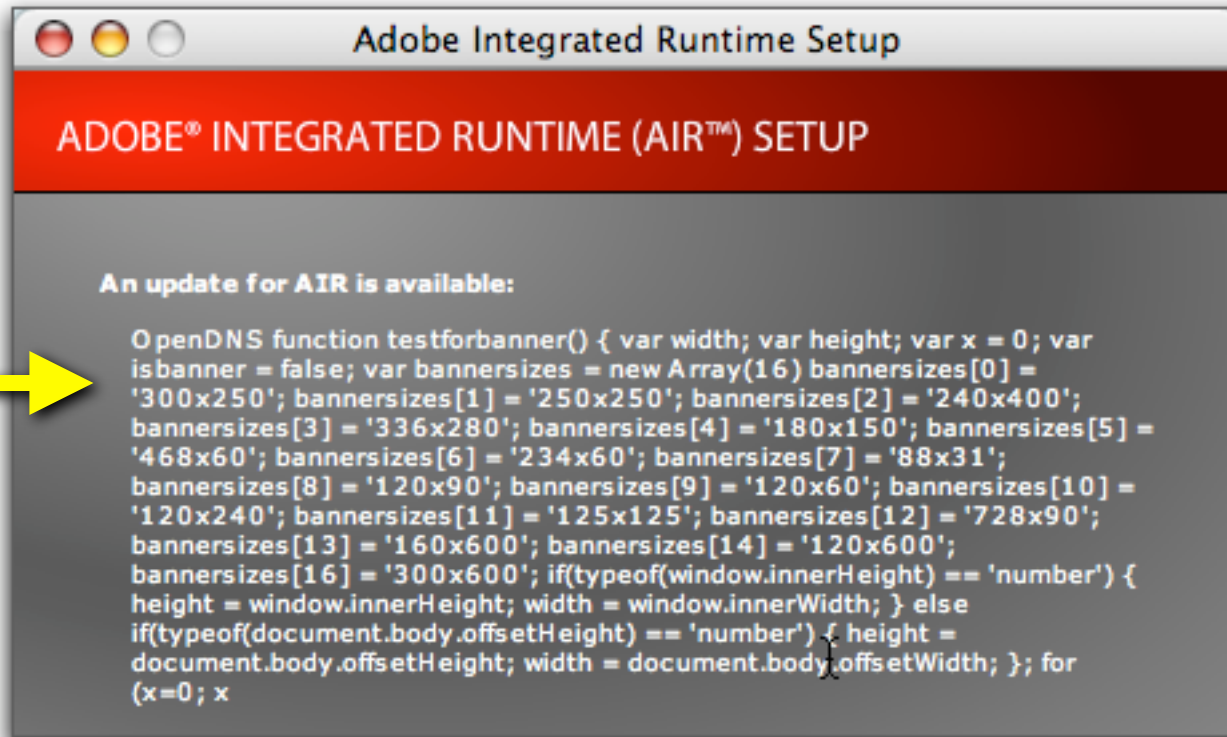


If a bot starts attacking, does anyone care?

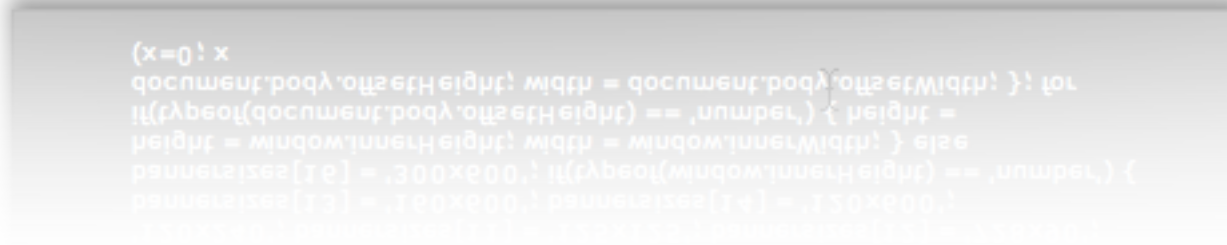
- Low abuse on NXDOMAIN
- High abuse on SERVFAIL
 - bot bot bot all day long
 - ultra-comp.ru and ultra-online.ru are not awesome.
- Doesn't get us closer to takedowns.

DNS Requests





Some javascript
from our site



Fun with NXDOMAIN

Abusive Opportunities

Who shares data?



In 2008 every major North American ISP will attempt some form of DNS monetization.



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