

TE Data

We protect our children on
the Internet

A young child wearing a black baseball helmet and holding a bat, looking serious.

No matter what,
children will always
need our protection

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Why should we do this

- In some countries ISP do it for legal reason
- it can be for the national or international authorities tell you to do it
- Or because you want to be part of the solution in the big picture; you want to do what you can to stop access to sites containing child sexual abuse material. We want to be an ISP that stands for global human values





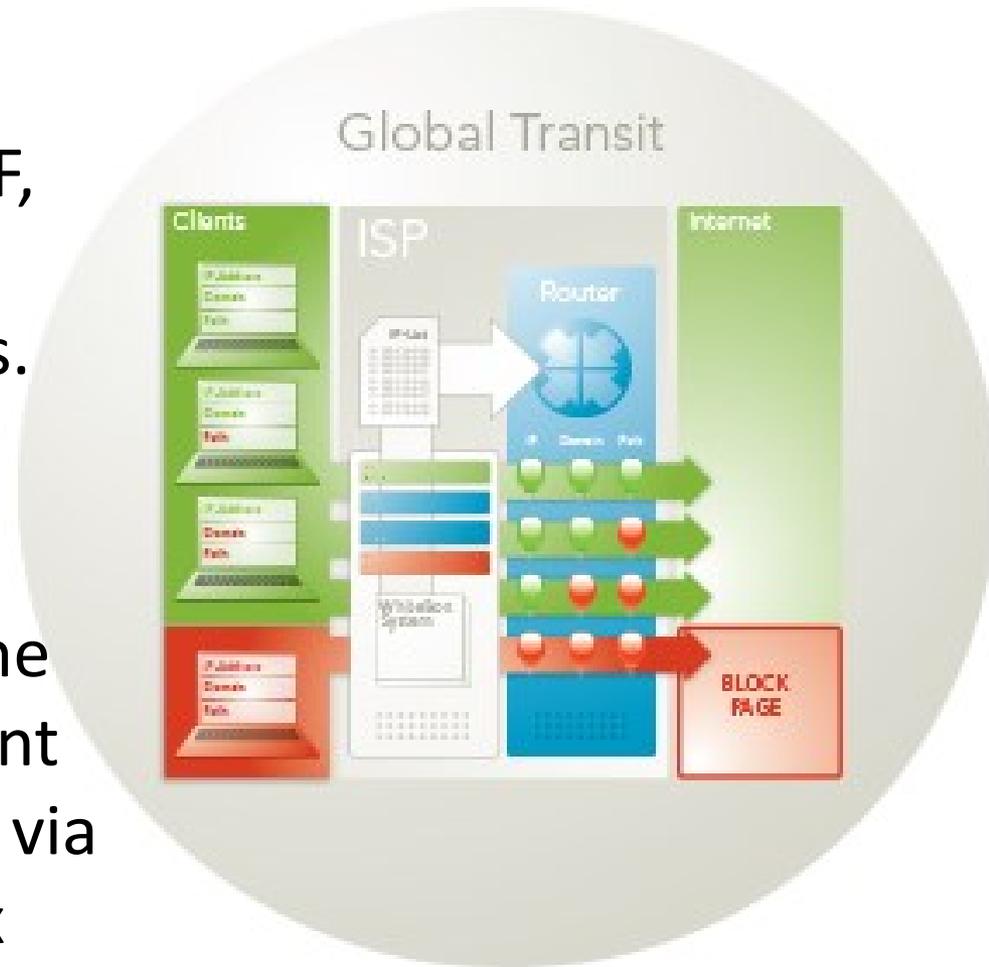
How it works

- By installing the system you will prevent subscribers from access to sites containing classified child sexual abuse material.



How it works

- The NetClean WhiteBox retrieves a block list (IWF, Interpol) and converts it into a list of IP addresses.
- These addresses are announced via BGP to the ISP routers with the intent of redirecting this traffic via the NectClean WhiteBox



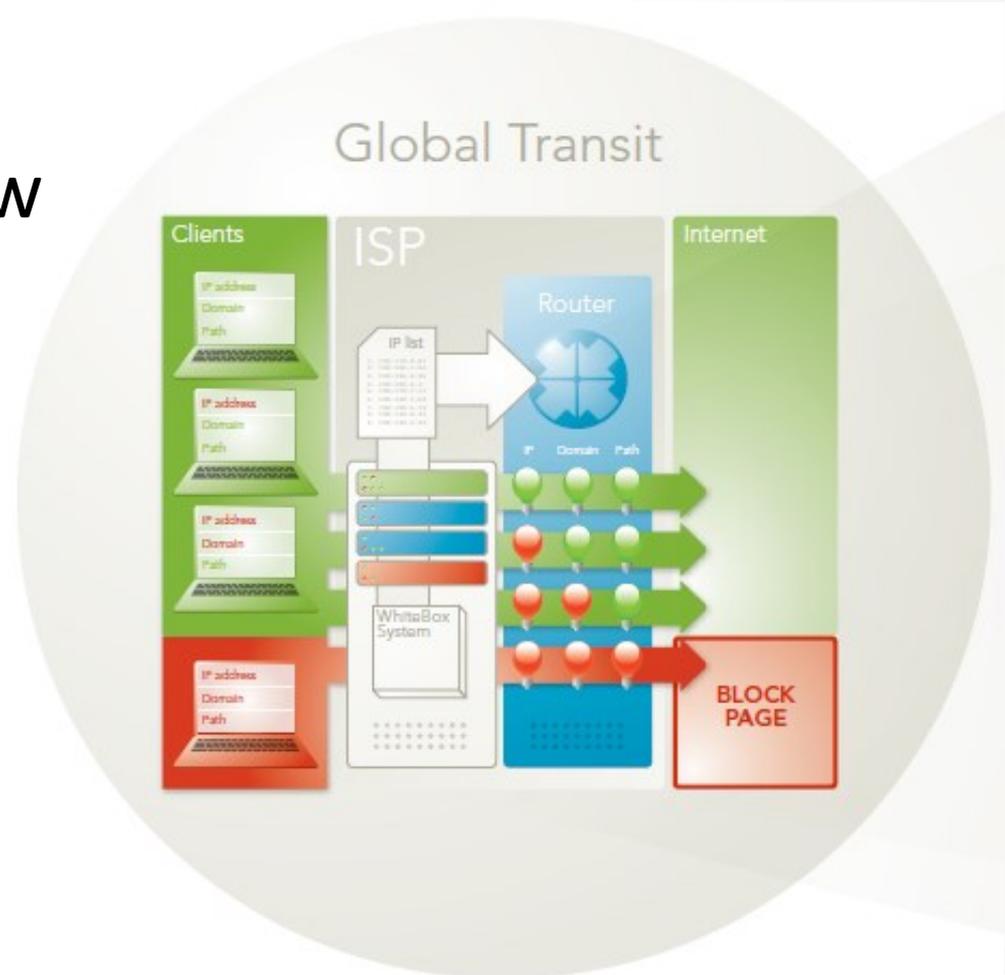
How it works

- A URL inspection device matches the requests in the traffic against the block list, and if there is a match, a block page is displayed instead of the requested page, otherwise the traffic is forwarded to the destination unaltered.
- From a network point of view, the WhiteBox is installed as a router which announces suspected IP numbers through BGP to the core network.



How it works

- Functional Overview
 - Filter Criteria
 - Rerouting Traffic
 - Blocking Page
 - Unaltered Traffic

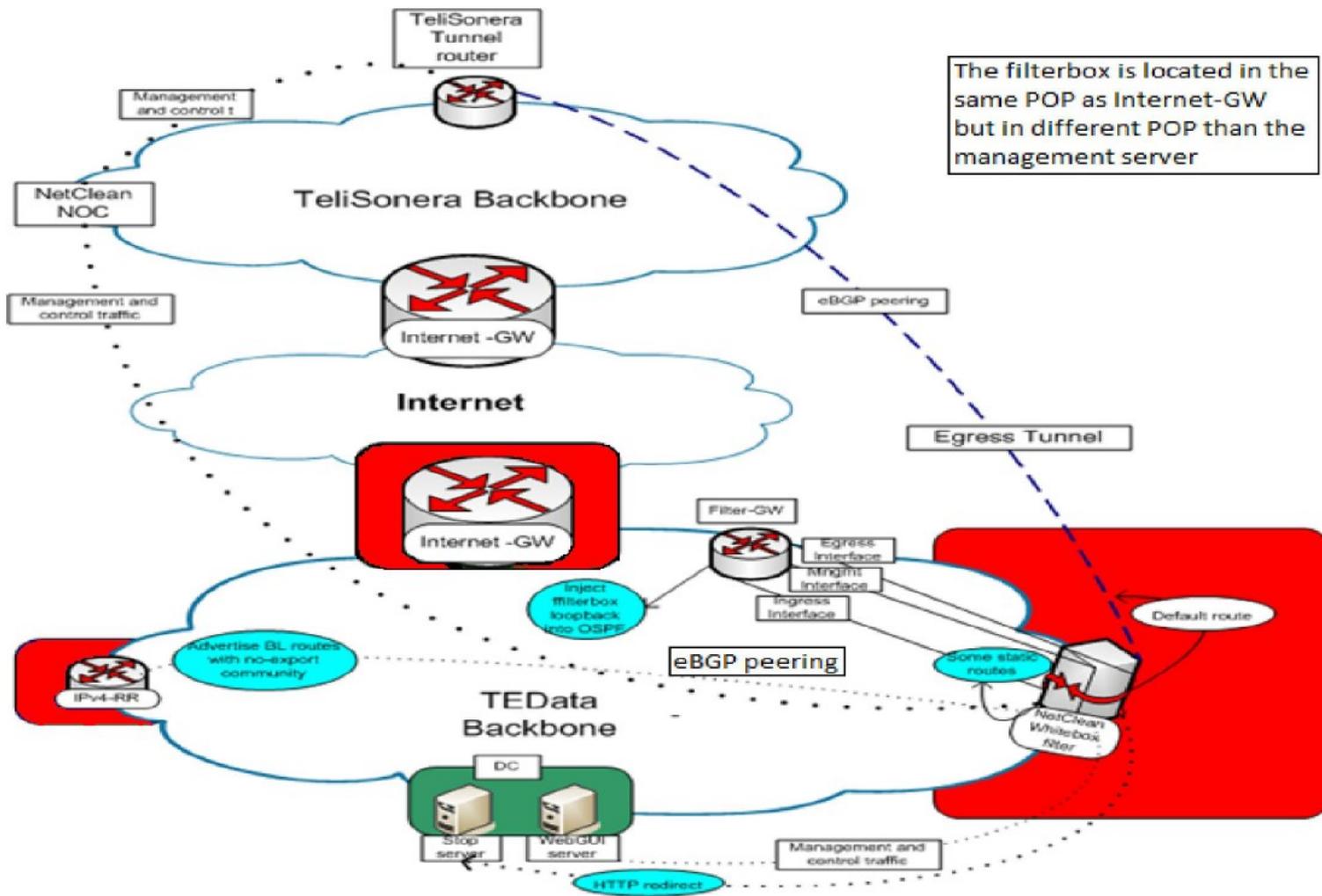


How it works

- System Overview
 - Filter Servers
 - Management Servers
 - The Stop Servers



TE Data Logical Topology





- **What Happens If the Website Switches to a New Internet Address?**
 - The system periodically refreshes the mappings between website and IP address (i.e. does a new DNS lookup). This is done often, the system also "remembers" addresses with some delay to catch the sites that switch often between several sets of IP addresses.
- **How Are the "IP Blacklist" and the "URL Blacklist" Updated?**
 - You could use the default lists included from Interpol and IWF which are updated daily, which we would recommend. The list of URLs will be converted to a list of IP addresses, this is done several times a day. This is done dynamically.
- **How Are FTP, IRC, P2P and Newsgroup Flows etc Handled?**
 - They are simply routed through the box if they are hosted on the same IP addresses as the Websites that are to be blocked. Other protocols could be considered to be included in the WhiteBox further on, but the current version handles HTTP only.





- **At What Level Is the Filtering Applied?**
 - The filters can be applied at two levels:
 - Website
 - Parts of a website
- **What Happens when There Are Multiple Websites on One Internet Address?**
 - The requests for all of the websites are diverted to the filter server. The filter server receives the requests and looks at the URL to determine whether that site is banned or not. If it is banned a “This website is banned” message is returned, otherwise the filter server forwards the request to the web server.
- **Will the Filtering Cause any Performance Issues?**
 - Requests to blocked websites will, of course, not be available. Requests to websites that aren’t blocked but are on the same internet addresses as blocked websites will not suffer any performance loss other than an extra router hop. Requests to websites that aren’t blocked and are not on the same internet addresses will not be affected.





- **Does the Filtering Include All Traffic to the Internet Address or Only Web Traffic?**
 - All traffic for that internet address is forwarded to the filter server. This includes web, email, chat, and P2P file sharing etc. The NetClean Whitebox is designed to filter website traffic. All other traffic is rerouted via the WhiteBox without passing through the filter daemon at all

- **Are There Other Routing Protocols like OSPF that Could Be Used?**
 - No, just BGP in the current setup of the WhiteBox.



Top 50 Blocked for TE Data

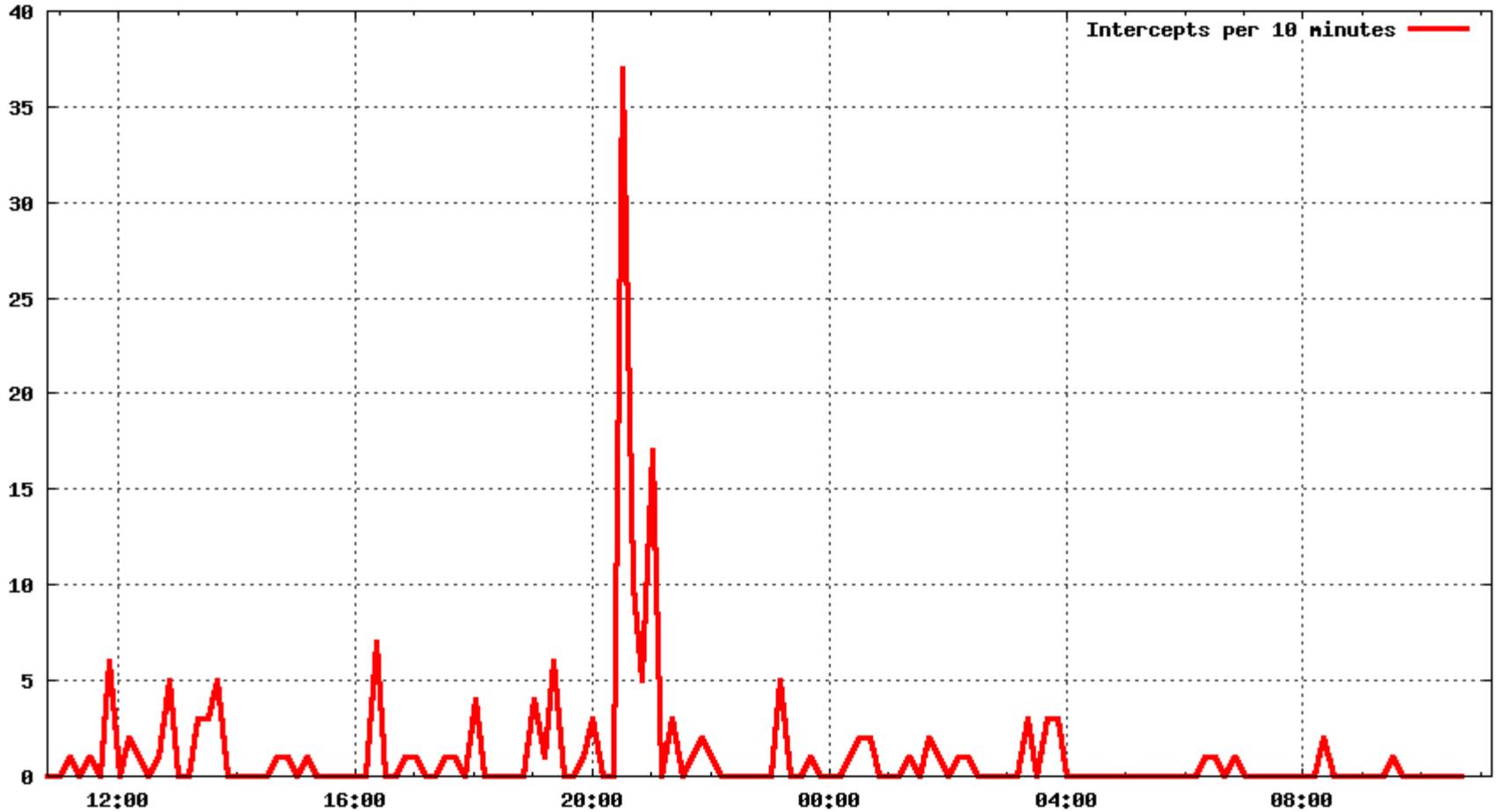


Top 50 Blocked Sites for TEDATA1

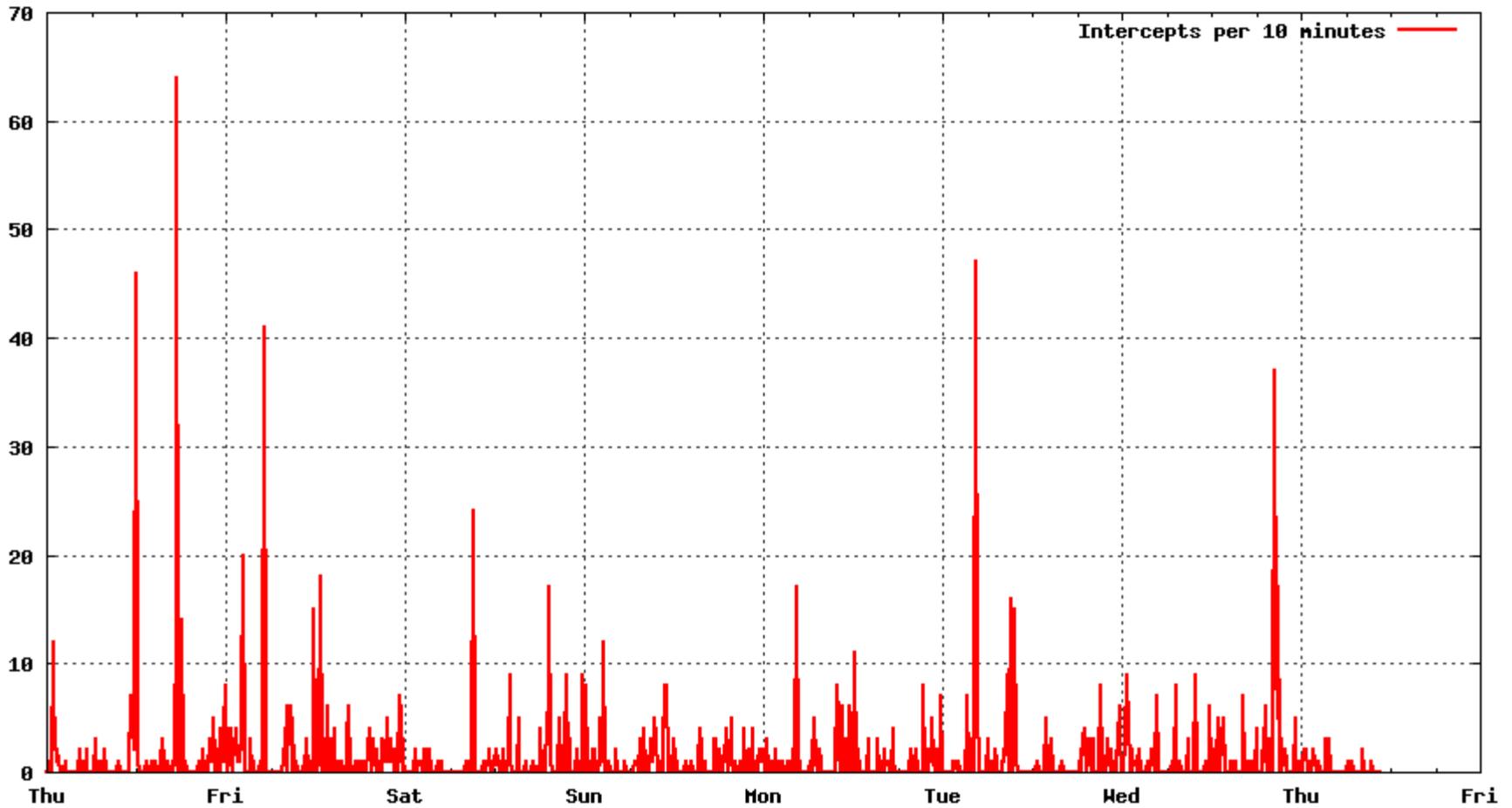
Site	Intercepts	Last
www.pornzeus.com	1329718	2014-09-05 ⌚ 22:05:03
pink-lips.net	1122235	2013-11-27 ⌚ 12:05:02
bangedbabysiters.com	334817	2015-10-22 ⌚ 03:55:03
teen-porno-movs.com	320940	2013-09-06 ⌚ 18:05:02
tiny-girl-models.com	144750	2014-02-15 ⌚ 11:25:02
pixvenue.com	94279	2015-10-22 ⌚ 09:45:03
dailyxvideostube.com	87479	2014-01-09 ⌚ 16:05:02
hd-videostube.eu	83678	2013-08-15 ⌚ 14:35:02
tubesecond.com	67451	2015-07-10 ⌚ 11:55:03
www.toomadporn.com	60118	2014-04-28 ⌚ 21:55:02
tube-new.com	59393	2013-04-22 ⌚ 12:05:02
gustoporntube.com	55725	2015-08-04 ⌚ 20:25:03
tiny-cams.com	48621	2014-06-17 ⌚ 12:05:02
raggatube.com	45082	2013-05-10 ⌚ 21:55:02
teenscreative.com	38351	2014-01-23 ⌚ 14:45:02
cat.postto.me	37429	2013-03-03 ⌚ 00:55:02
coolsxs.com	35671	2014-02-07 ⌚ 22:05:02
pornzeus.com	32556	2014-05-06 ⌚ 12:05:02
www.charming-girls.net	30827	2013-04-22 ⌚ 14:55:02



Intercept Hits per Day

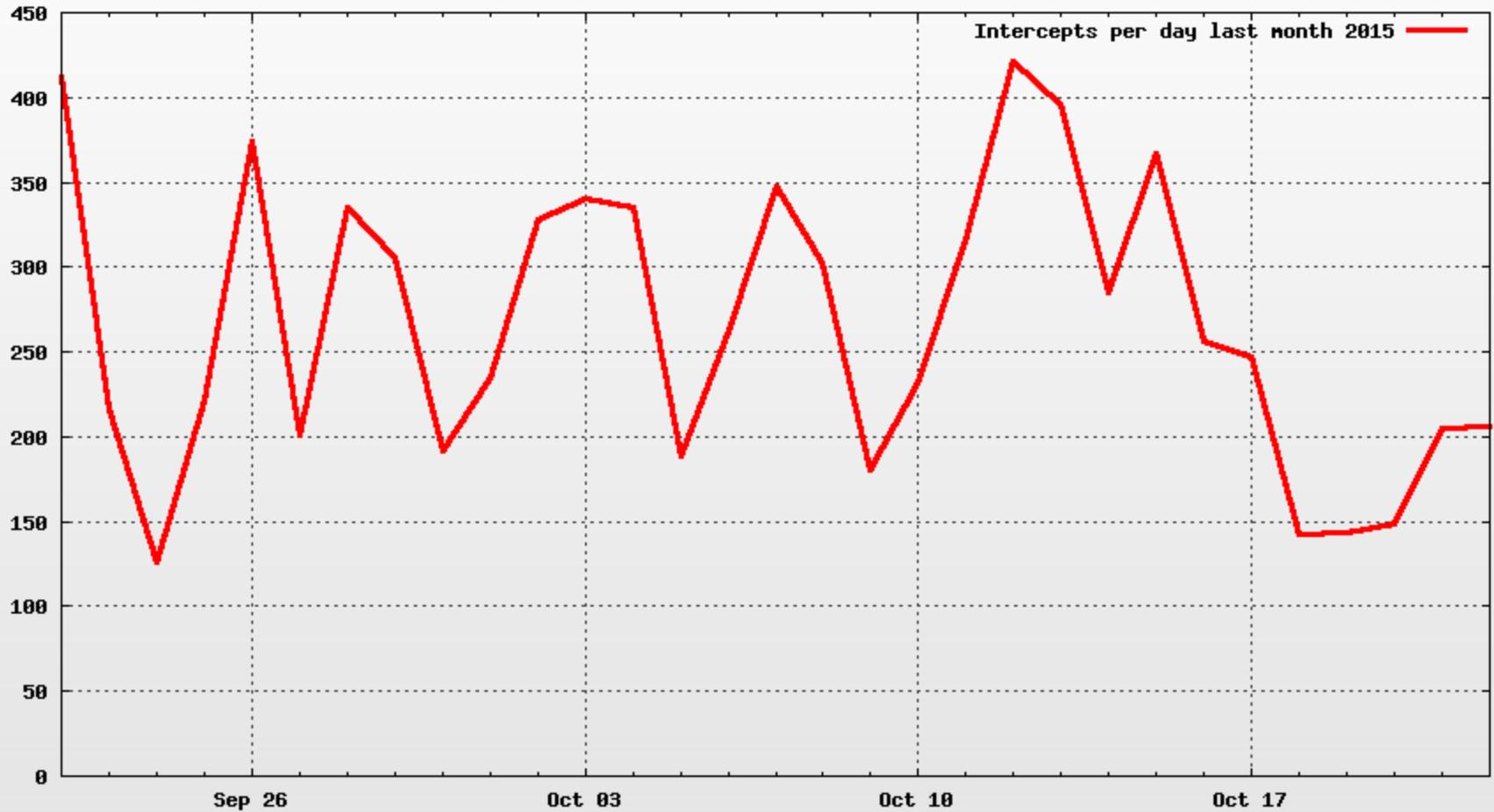


Intercept Hits per Week



Intercept Hits per Month

Intercepts last month



A close-up photograph of a young girl with light-colored hair and eyes, smiling and looking upwards. She is wearing a colorful, patterned headband with a white feather in her hair. The background is a blurred green, suggesting an outdoor setting. The word "Thanks" is overlaid in the center of the image in a white, outlined font.

Thanks