

Spying the World from your Laptop

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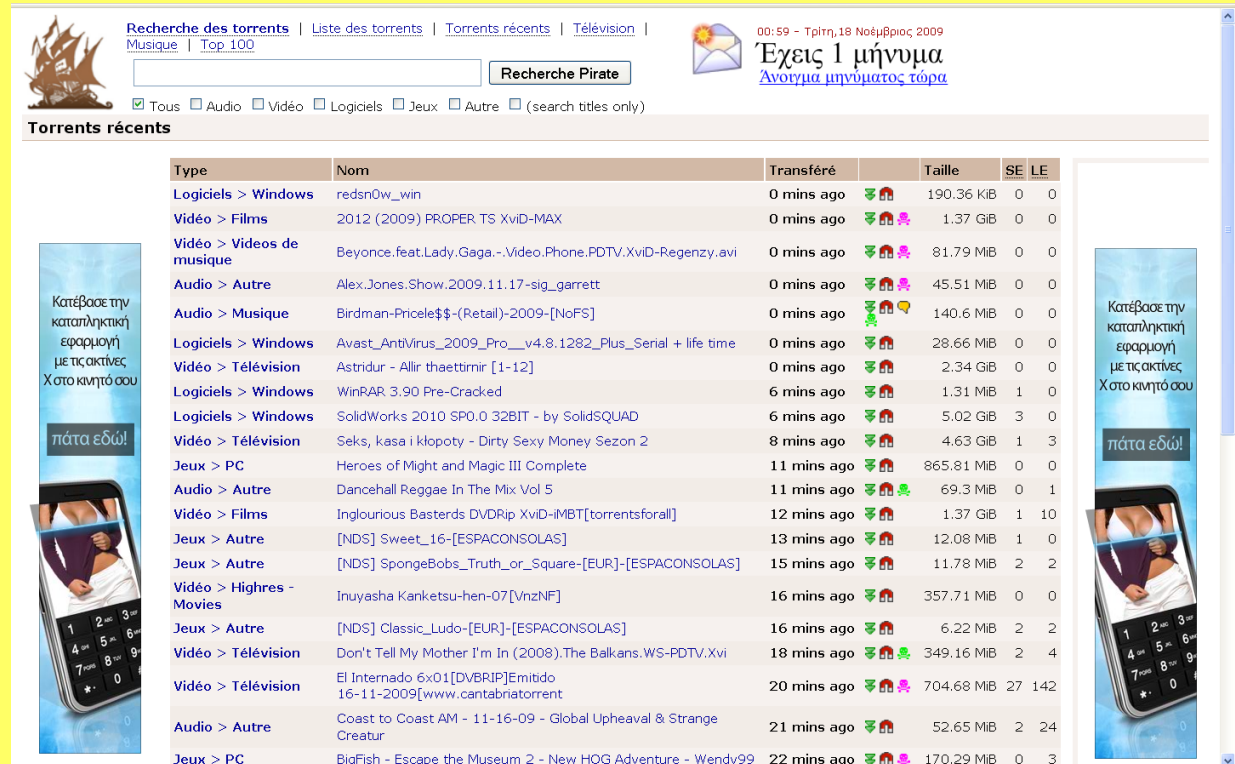
Who Cares about Privacy?

- Who wanna see his P2P downloads public?
- We have a surprise for you!

Roadmap

- 1) The content providers
- 2) The big downloaders

Methodology

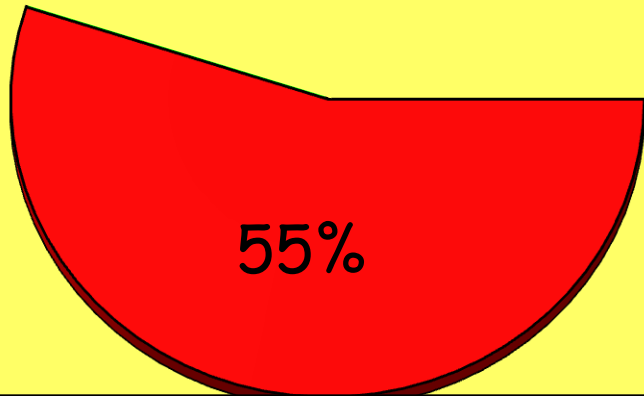
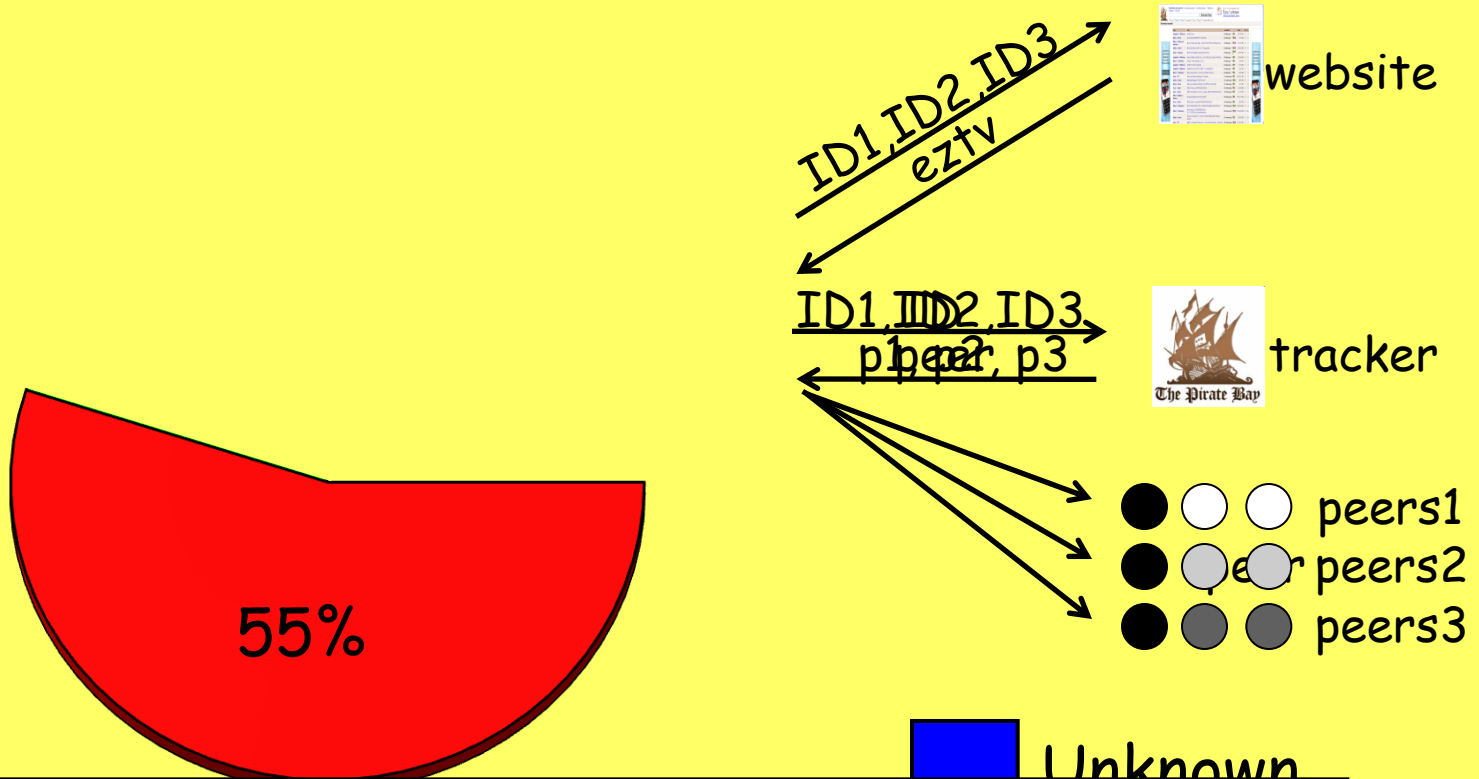


The screenshot shows the 'Recherche des torrents' page on ThePirateBay. At the top, there are navigation links for 'Recherche des torrents', 'Liste des torrents', 'Torrents récents', and 'Télévision'. Below these is a search bar with a 'Recherche Pirate' button. A notification banner at the top right says '00:59 - Τρίτη, 18 Νοέμβριος 2009' and 'Έχεις 1 μήνυμα Άνοιγμα μηνύματος τώρα'. Below the search bar, there are checkboxes for 'Tous', 'Audio', 'Vidéo', 'Logiciels', 'Jeux', 'Autre', and '(search titles only)'. The main section is titled 'Torrents récents' and contains a table of recent uploads.

Type	Nom	Transféré	Taille	SE	LE
Logiciels > Windows	redsn0w_win	0 mins ago	190.36 KiB	0	0
Vidéo > Films	2012 (2009) PROPER TS XviD-MAX	0 mins ago	1.37 GiB	0	0
Vidéo > Videos de musique	Beyonce.feat.Lady.Gaga.-.Video.Phone.PDTV.XviD-Regenzy.avi	0 mins ago	81.79 MiB	0	0
Audio > Autre	Alex.Jones.Show.2009.11.17-sig_garrett	0 mins ago	45.51 MiB	0	0
Audio > Musique	Birdman-Pricele\$\$-(Retail)-2009-[NoFS]	0 mins ago	140.6 MiB	0	0
Logiciels > Windows	Avast_AntiVirus_2009_Pro_v4.8.1282_Plus_Serial + life time	0 mins ago	28.66 MiB	0	0
Vidéo > Télévision	Astridur - Allir thaettimir [1-12]	0 mins ago	2.34 GiB	0	0
Logiciels > Windows	WinRAR 3.90 Pre-Cracked	6 mins ago	1.31 MiB	1	0
Logiciels > Windows	SolidWorks 2010 SP0.0 32BIT - by SolidSQUAD	6 mins ago	5.02 GiB	3	0
Vidéo > Télévision	Seks, kasa i klopoty - Dirty Sexy Money Sezon 2	8 mins ago	4.63 GiB	1	3
Jeux > PC	Heroes of Might and Magic III Complete	11 mins ago	865.81 MiB	0	0
Audio > Autre	Dancehall Reggae In The Mix Vol 5	11 mins ago	69.3 MiB	0	1
Vidéo > Films	Inglourious Basterds DVDRip XviD-iMBT[torrentsforall]	12 mins ago	1.37 GiB	1	10
Jeux > Autre	[NDS] Sweet_16-[ESPACONSOLAS]	13 mins ago	12.08 MiB	1	0
Jeux > Autre	[NDS] SpongeBobs_Truth_or_Square-[EUR]-[ESPACONSOLAS]	15 mins ago	11.78 MiB	2	2
Vidéo > Highres - Movies	Inuyasha Kanketsu-hen-07[VnzNF]	16 mins ago	357.71 MiB	0	0
Jeux > Autre	[NDS] Classic_Ludo-[EUR]-[ESPACONSOLAS]	16 mins ago	6.22 MiB	2	2
Vidéo > Télévision	Don't Tell My Mother I'm In (2008).The Balkans.WS-PDTV.Xvi	18 mins ago	349.16 MiB	2	4
Vidéo > Télévision	El Internado 6x01[DVBRIPI]Emitido 16-11-2009[www.cantabriatorrent	20 mins ago	704.68 MiB	27	142
Audio > Autre	Coast to Coast AM - 11-16-09 - Global Upheaval & Strange Creatur	21 mins ago	52.65 MiB	2	24
Jeux > PC	BigFish - Escape the Museum 2 - New HOG Adventure - Wendy99	22 mins ago	170.29 MiB	0	3

- Join new torrents on ThePirateBay within 1st min
- Monitor them for 24 hours

Identifying the Content Providers

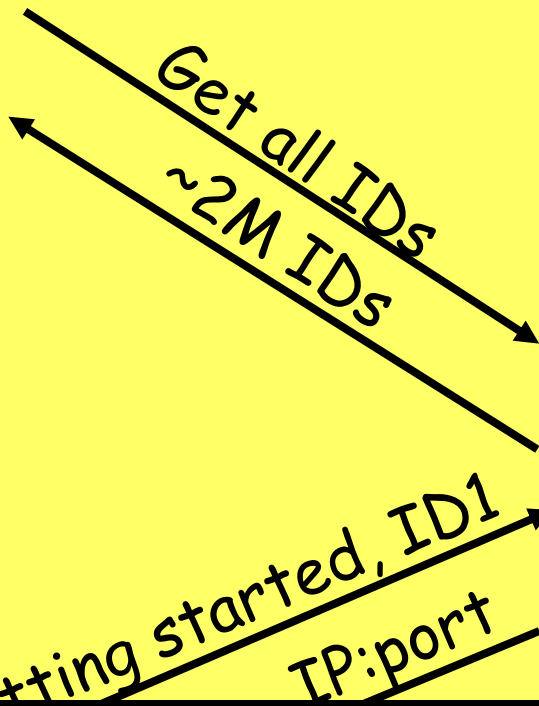


We identify 70% of the content providers

Roadmap

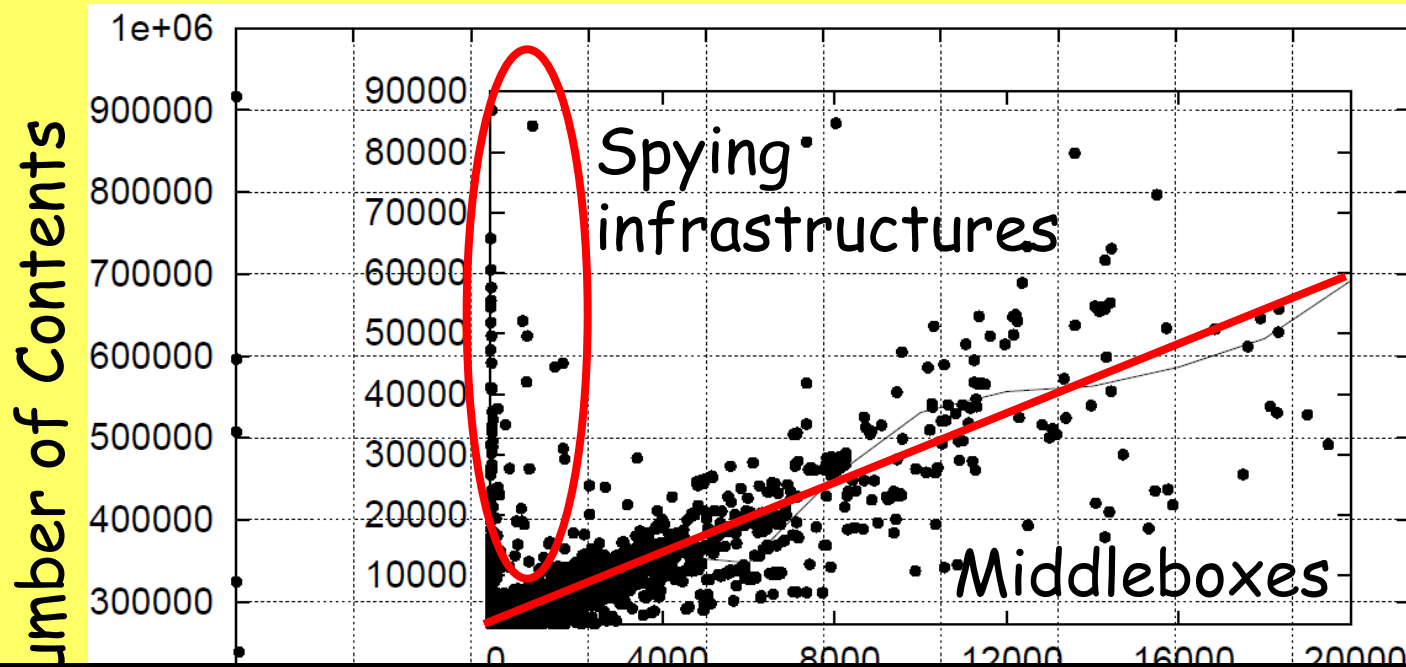
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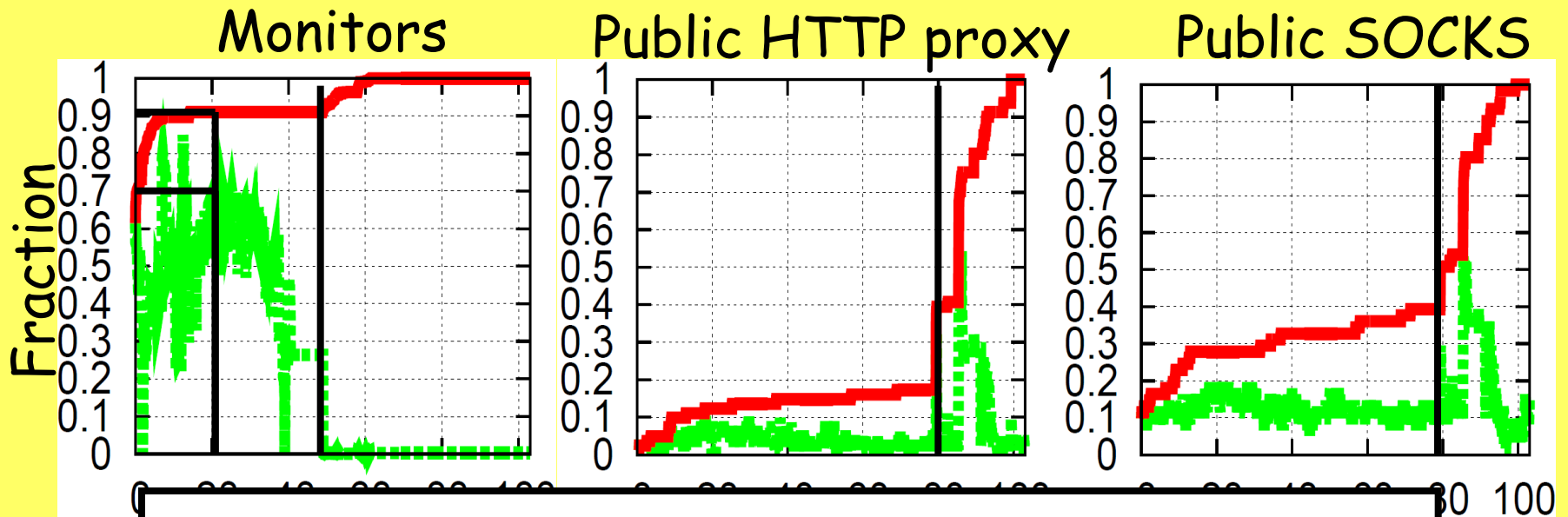
We can continuously spy on most BitTorrent users

Identifying the Big Downloaders



Looking for big downloaders,
we find spies and middleboxes

Activity of the Spies



We can spy on the spies

Take Home Messages

- 1) We have identified 70% of the content providers
- 2) Continuously spied on most BitTorrent users and filtered out spies and middle boxes