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!
1) Can we identify the content providers?
2) Can we identify the big downloaders?

148M IPs
3.6 ExaBytes

2 billion downloads
Roadmap

1) The content providers

2) The big downloaders
Methodology

- 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

1) The content providers
2) The big downloaders
Methodology

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