



Queen Mary
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Video Pirates of the Cosnerbean

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Interesting Fact...



MOTION PICTURE ASSOCIATION OF AMERICA



How are videos shared over the Internet?

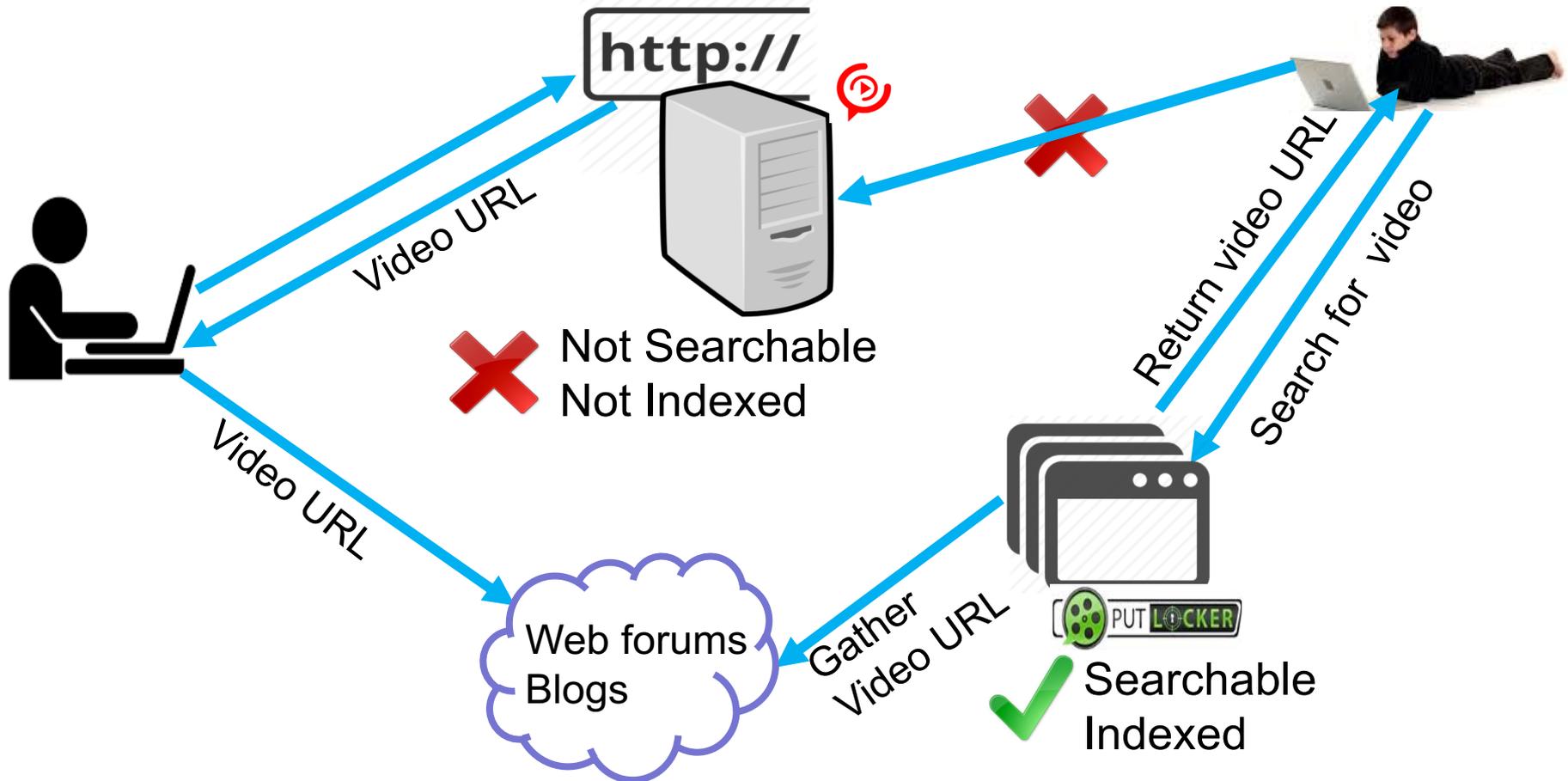
Peer-to-Peer (P2P)

- e.g. Bit Torrents etc.
- Popularity has diminished

Web Portals (Streaming Cyberlockers)

- e.g. youtube.com, daclips.com
- Gaining popularity

How are video uploaded and accessed



Charaterising Indexing Sites

Three indexing sites



- 137,324 videos
- 753,843 streaming links
- 180 streaming cyberlockers

Characterising Streaming Cyberlockers

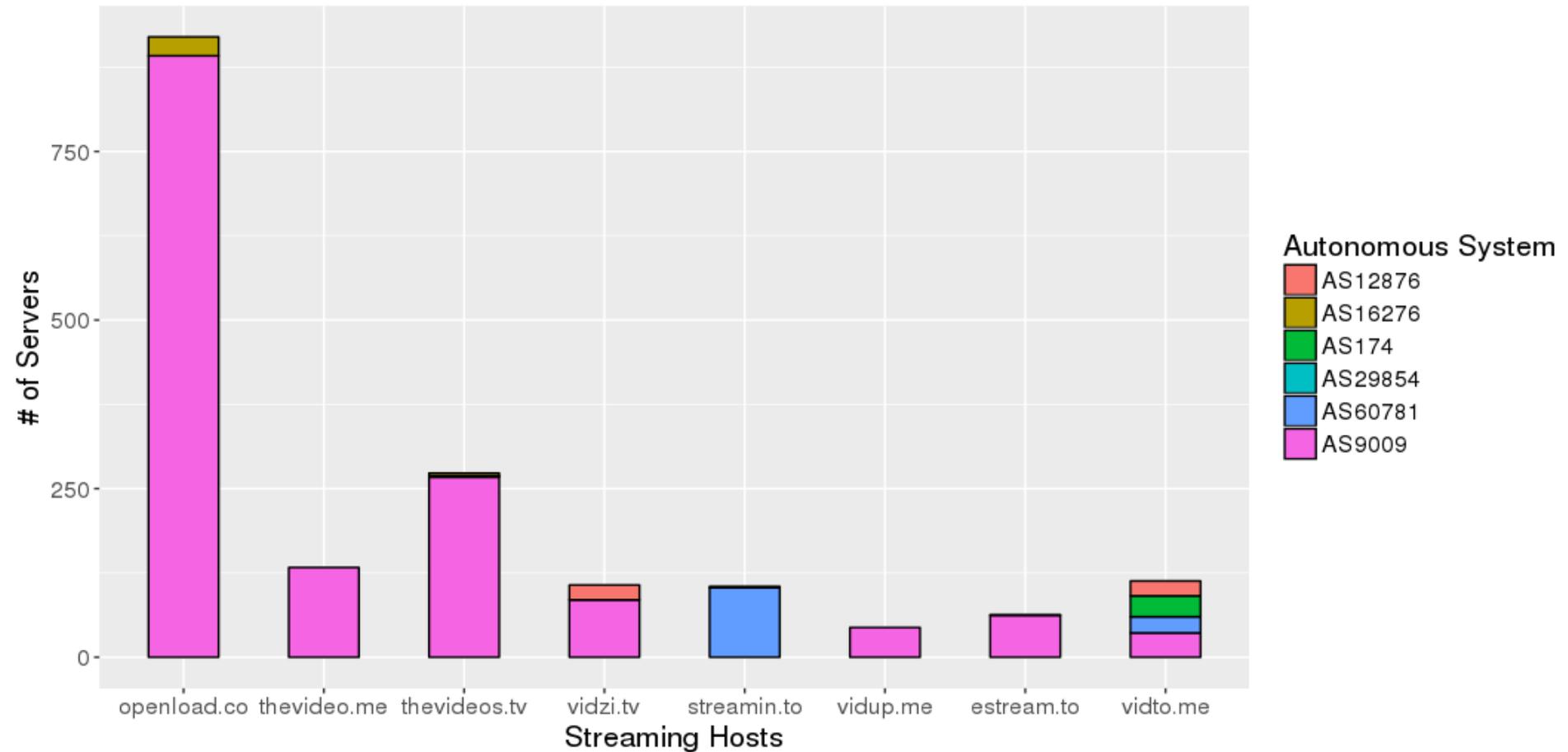
32 Streaming Cyberlockers

(46% streaming links: 77% available 23% not available)

- Get video sever hosts
- Determine video server IPaddress
- Find out the AS the IPaddress is assigned to
- Where the video server is geographically located



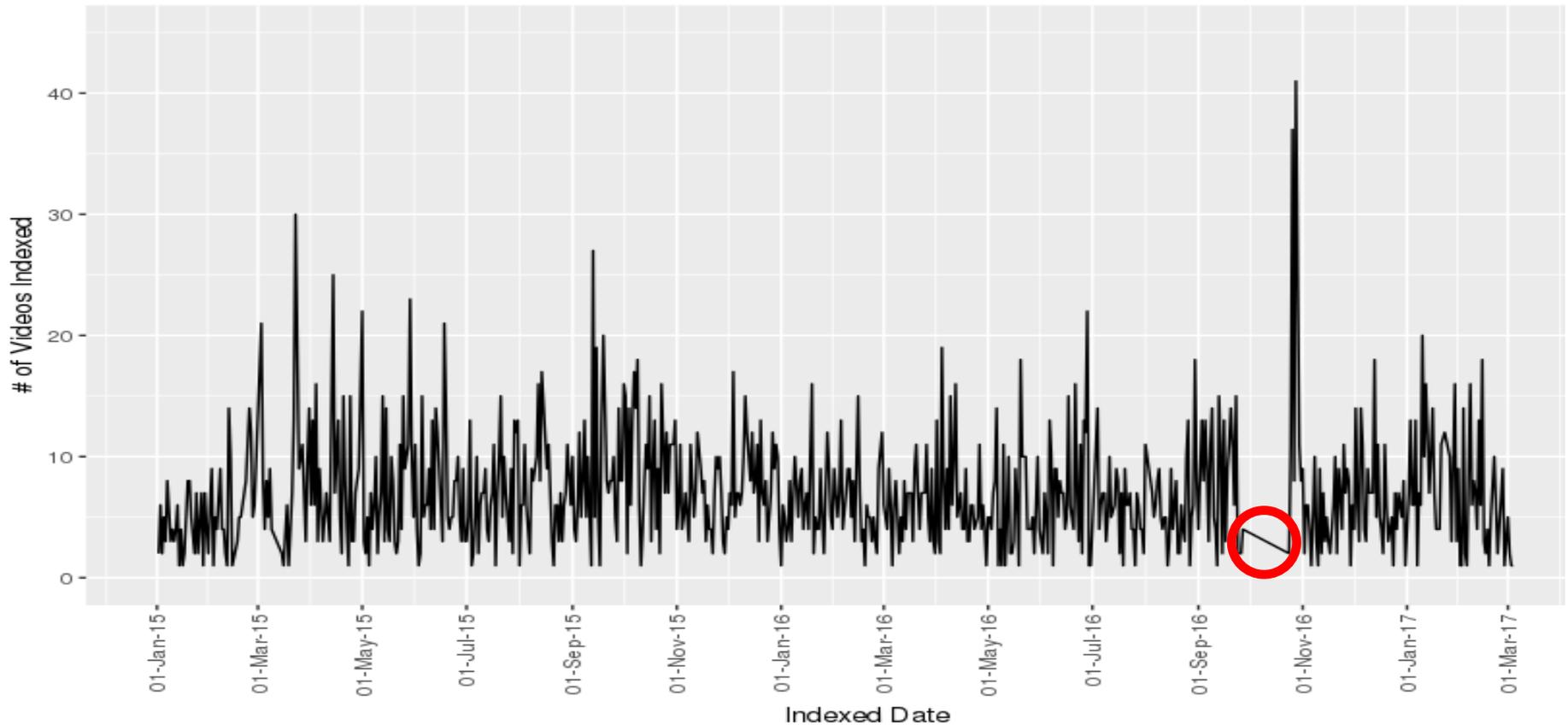
Video server distribution across cyberlockers



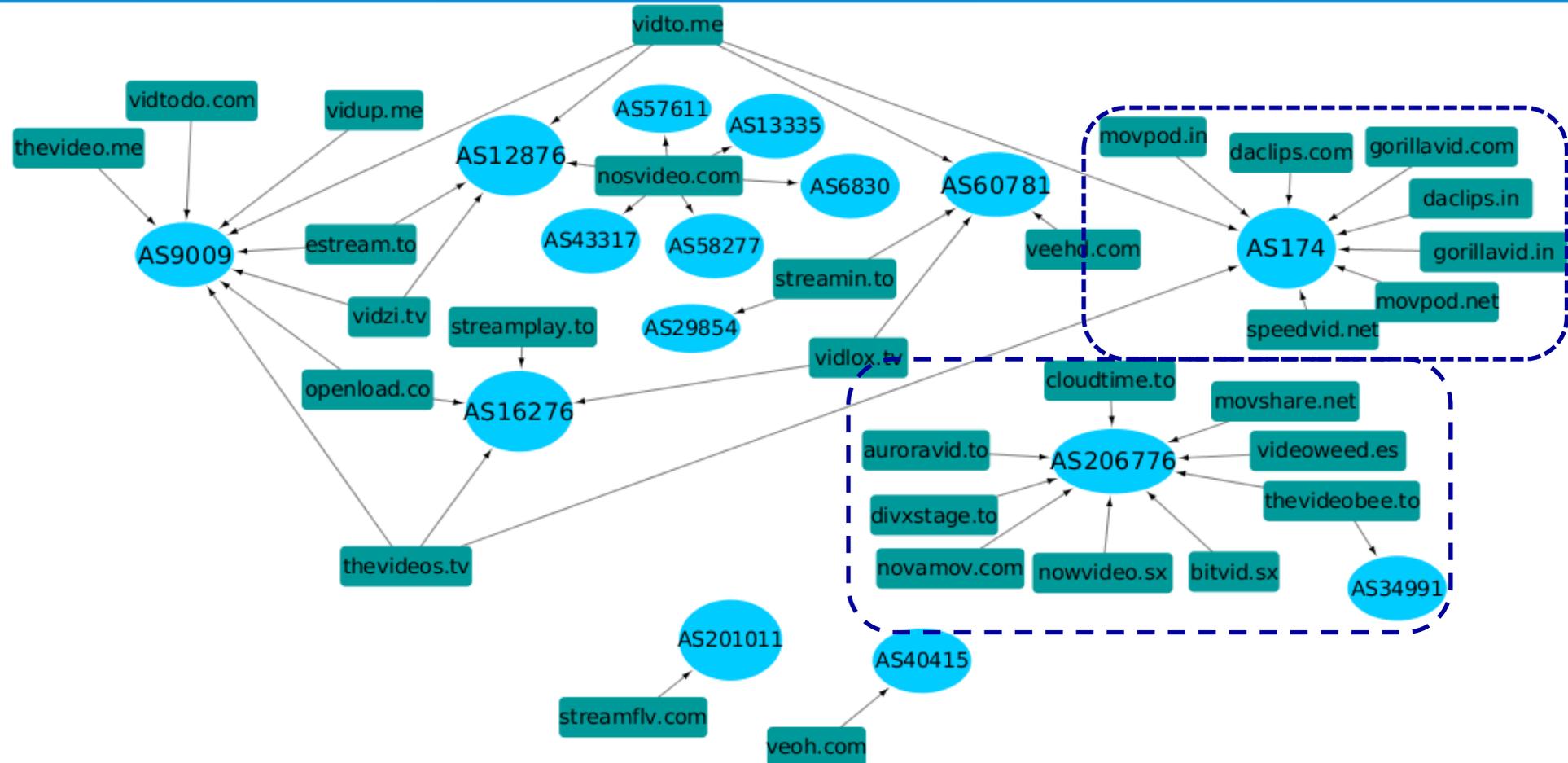
Video server geolocation

22	0	15	1	0	22	1	0	FR
86	132	892	267	0	36	64	0	RO
0	0	0	0	0	0	0	2	CH
0	1	0	2	103	55	0	0	NL
0	0	13	3	0	0	0	0	CA
vidzi.tv	thevideo.me	openload.co	thevideos.tv	streamin.to	vidto.me	estream.to	streamflv.com	

Indexing dynamics (Jan'15 – Apr'17)



Identifying communities amongst cyberlockers



Ongoing Work

- How infringing streaming links are submitted for takedown by copyright owners.
- Frequency at which these links are submitted.
- How efficient is the takedown process.
- How long does it take before a content is taken down.
- How responsive are the streaming cyberlockers in responding to takedown requests.

