



AN ANALYSIS OF PIRACY WEBSITE ADVERTISING IN BRAZIL AND ITS LINKAGES TO CHILD EXPLOITATION MATERIAL

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Abstract

A number of recent studies have investigated the role that advertising plays in funding and sustaining piracy sites. In this study, the composition of advertising on piracy websites in Brazil was analysed, measuring both mainstream and “high-risk” ads¹ using samples generated from the most-complained about sites, as well as the most popular sites (among Brazilians). The results indicated that high-risk ads pose significant problems for Brazilian users, especially children, who may be harmed by exposure to ads promoting the sex industry, gambling, scams and malware.

Links between Brazil-focused piracy websites and Child Exploitation Material (CEM) are also documented. Policy options for dealing with this issue are discussed. CEM poses a threat not only to the children depicted in it but also to children who might be exposed to it. Indeed any viewer who is exposed to CEM is in jeopardy in a number of ways.

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ECPAT International

ECPAT International² is a global network of organisations working together for the elimination of child prostitution, child pornography and the trafficking of children for sexual purposes. It seeks to ensure that children everywhere enjoy their fundamental rights free and secure from all forms of commercial sexual exploitation.

There are as many as 1.8 million children exploited in prostitution or pornography worldwide and human trafficking alone as an illegal industry generates billions of US dollars. It is believed that nearly 80% of all trafficking worldwide is for sexual exploitation, with over 20% of the victims being children. All children have the right to live free from all forms of sexual exploitation. However, social tolerance to the sexual exploitation of children is increasing. There are millions of child sexual abuse images on the Internet, and that number is growing.

ECPAT works to build collaboration among local organisations and the broader child rights community to form a global social movement for the protection of children from sexual exploitation. The global ECPAT Network is currently composed of 85 members in 77 countries. Its membership reflects the richness and diversity of experience, knowledge and perspectives that arise from working in widely different contexts.

¹ Defined as categories which include malware, download sites, gambling, scams and the sex industry.

² For more information, please see www.ecpat.net.

1 INTRODUCTION

To what extent might piracy websites³ be contributing to the contemporary challenges concerning the prevention of child exploitation in Brazil?

A large number of websites, including piracy websites, use advertising as a revenue source to fund their operations (Garz et al, 2015). They make available “space” on their pages (similar to traditional highway banners or billboards) for advertisers to promote their products and services. Historically, advertisers paid websites directly to “lease” this space, and they would pay revenue to the website based on the number of pageviews, or the number of users who clicked on the ad. These days, the buying and selling of website advertising space is very complex, as a number of intermediaries are now involved – advertising networks take ad placement requests from advertisers, and display them across a range of websites, based on matching the interests of the advertiser and the user. Every user’s interests can be tracked by the use of cookies, cross-referenced with other sites that they visit, or search terms that they enter. This enables ad networks that also operate search engines to implement “behavioural advertising”. A further complication is that advertisers can now engage an ad exchange, which seeks to place advertising across multiple ad networks. Each of these developments has placed further distance between the advertiser and the website which is selected to host their advertising. This had led to greater marketplace efficiencies, but also to a loss of control by advertisers.

A number of recent studies have looked at the links between online advertising of various kinds, and how profits from displaying these ads fund and sustain piracy (Watters, 2015). These studies have either focused on mainstream advertisers (Taplin, 2013), or high risk advertising, where the ads have the potential to harm the user.

High risk ad categories include malware, downloading sites, gambling, scams and the sex industry. Studies into high risk ads have been undertaken within many countries in the Asia Pacific, including Australia, New Zealand, Canada, Singapore, Malaysia, Taiwan, Hong Kong, Singapore, Vietnam, Indonesia and the Philippines (Watters, 2015; Watters, 2014).⁴ The results of these studies have been used by governments, NGOs and the private sector to guide appropriate policy responses, including regulation (whether by government or by the advertising industry itself), as well as building awareness around the risk of visiting these sites, especially by children.

In trying to understand the scale and scope of high risk advertising in a country like Brazil, a number of approaches have been developed. These aim to model how a user might encounter different types of advertising or be exposed to CEM or links to CEM while searching for pirated material.

In executing the research, representative snapshots were constructed – typically comprising several thousand samples of the kinds of ads most likely to be served to users in a particular country. Two approaches for analysis were developed:

³ Piracy sites are those which are primarily or wholly associated with facilitating downloads of infringing content. These include sites which provide magnet links or torrent file downloads, file-locker sites and the like. A well-known example would be The Pirate Bay site.

⁴ These reports can be downloaded from Social Science Research Network (SSRN). http://papers.ssrn.com/sol3/cf_dev/AbsByAuth.cfm?per_id=2166409.

1. The *most-complained about sites*. These are sites indexed by Google that rights holders have identified as being largely concerned with piracy, and where Google has investigated and found that they are in breach of the Digital Millennium Copyright Act (hereinafter DMCA). This provides independent verification⁵ of the rogue nature of such sites, but it does not always follow that the most-complained about sites are always the most popular, particularly in local language sites. This is the approach utilised by Watters et al (2014) for a New Zealand case study; and
2. The *most popular sites*. By using an information-seeking behaviour model, we made use of the Google search engine to identify those sites which are the most relevant given a search term, such as “download free movies”. Furthermore, we used the snowball sampling technique to construct a set of terms for further searches, to find even more sites. Such data can also be supplemented through the use of site lists provided by experts, e.g. lists of sites which have been the subject of civil action or criminal prosecution.

By combining measures of popularity and alleged infringement, it is possible to arrive at an informed snapshot of high risk ad prevalence in a particular market. In some countries, researchers have looked only at the most-complained about sites (especially in relation to Hollywood movies and TV), but this study *also* investigated the most popular sites when using the local language for searching.

In this paper, both types of data collection and analysis were utilised, to understand the advertising landscape, the mainstream and high risk aspects of that environment, and the links that exist between piracy sites and CEM.

1.1 Background

Brazil is the eighth largest economy in the world as measured by GDP.⁶ Total ad spend in Brazil is now US\$20.64b,⁷ with 14.7% of that being digital spend, representing an increase of 15% year-on-year. Mobile advertising is also growing rapidly, at 120% p.a., and now represents 18.1% of digital ad spending. Even a small fraction of this advertising market could be used to fund significant piracy operations, and make significant profits for organised crime (Treverton, 2009).

Being a large and vibrant economy, Brazil has faced a number of challenges in policing intellectual property. A National Council against Piracy and Intellectual Property Crimes (CNCP) has the overall remit to promote intellectual property rights through education, enforcement and policy initiatives.⁸

Additionally, concerns regarding online child exploitation and trafficking have frequently been expressed by Brazilian law enforcement, Government and NGOs. In a recent operation (Operation Darknet), 55 people were arrested in Brazil for participating in a significant CEM “ring”.⁹ Six children were rescued from their abusers during the operation. This incident was not an isolated one, and points to a significant and emerging problem for Brazil, as well as many other countries globally. Whether the problem has existed for a long time, and is

5 A number of studies (e.g. Urban & Quilter, 2006) have shown that Google sometimes processes DMCA mistakenly. According to its own documentation, Google removes 97% of the sites which are reported to it. Google also notifies the site owners (where it is able to) regarding the takedown, and provides an appeal process where false positives have been flagged for removal. An error rate of 3% is thought to be reasonable.

6 <http://tinyurl.com/osxljfm>

7 <http://www.emarketer.com/Article/Total-Media-Ad-Spending-Brazil-Pass-20-Billion-This-Year/1012339>

8 http://www.wipo.int/wipo_magazine/en/2006/05/article_0003.html

9 <http://www.dailymail.co.uk/news/article-2795299/brazilian-police-crack-open-haul-child-pornography-dark-internet-rescue-six-children-abuse.html>

only now receiving investigative attention, or whether the internet is fuelling a rise in technology-enhance crime, systematic research is required to understand the scale and severity of the problem.

In the following sections, separate studies targeting the most-complained about sites, the most popular sites, and links to child exploitation sites are explored from within Brazil. A disturbing snapshot emerges. Policy options which may help to ameliorate (or minimise) the harms due to advertising, in particular, are outlined.

2 MOST-COMPLAINED ABOUT SITES

To build a database of the sites most-complained about by rightsholders, the Google Transparency Report¹⁰ was used. This Report, among others, lists all of the URLs removed from the Google Index, whenever a complaint from a rightsholder is upheld, i.e., when Google determines that the URL does contain or links to allegedly pirated material.¹¹ In the United States, this process is governed by the Digital Millennium Copyright Act (DMCA). It is interesting to note that the number of complaints upheld by Google almost doubles every year. Note that even when Google chooses to remove a URL from its index, that site is still accessible through the Internet, and could also potentially be found by using other search engines.

In the Report, it is possible to identify the top domains against which complaints have been upheld. These sites range from torrent sites (which host links to pirated content), through to streaming sites, and file locker sites, where URLs for pirated content are made accessible through search engines, but physically downloaded from the locker site. In some cases, the same logical site is hosted on a number of different physical / top-level domains, in order to circumvent legal avenues for takedowns and DMCA complaints.

The methodology used in this study was first outlined by Watters (2014). The basic process is that a URL from each top infringing domain is downloaded a number of times (typically 10 page impressions), and the advertising networks and advertisers are identified. Furthermore, each advertisement is assigned

a category (mainstream or high risk), and the high risk ads are further divided into a number of sub-categories: malware, sex industry, gambling, download site or scams. A semi-automated system has been developed to assist in processing the large volumes of data involved in this kind of analysis.

In this study, the Top 100 most-complained about websites (for the month of September 2015) identified by Google were analysed. They are listed in Appendix A. A simulated user was created using a Virtual Private Network (VPN) connected to Brazil, such that each requested website (and its advertising networks) would "see" a Brazilian user, and content would be customized appropriately.

From the 1,000 pages sampled, a total of 709 advertising items were identified. Table 1 shows the number of advertising items. Note that the automated process for identifying advertising items relies on a database of known multinational advertising networks, and may not be reliable for all locations. This is why every page downloaded is manually analysed for visible ads.

A typical page on one of these sites might include a number of banner ads to the top, left and right of the page, with the main text instructing a user how to download a pirated movie occupying the mid-section. For example, on one search for the site extratorrent.work, with the search term "Disney", a link to a torrent containing a number of Disney children's movies is returned, and a preview of one movie is embedded in the page. Overlaid on this movie preview is an ad for the "Reality Kings" pornography website, with a penis depicted entering a woman's mouth. The same search on thepiratebay.gd also provides a list of Disney torrents, but with further explicit images of nude and semi-nude women promoting pornography websites. Disney was

10 <http://www.google.com/transparencyreport/>

11 Note that Google only undertakes basic informational rather than legal checks (<http://www.google.com/transparencyreport/removals/copyright/faq/>). Google does not adjudicate for fair use, and webmasters may not be notified their pages are removed from search, and counter-notification processes may be beyond the means of many ordinary web users.

selected as a search term because it is the brand that most parents would identify with as encapsulating childhood. Pirates also know this, and make available pirated versions of many of Disney's movies. There is no suggestion that Disney is in any way negligent or responsible for the behaviour of pirates or ad networks. Using Disney as a search term provides insights into ad networks that display pornography in response to searches for children's movies.

The point about “visible ads” may require some explanation. A great many ad networks are active on websites collecting data about browsing habits which they pass on or use to improve their own algorithms, without this being apparent to the browser. Herps et al (2013b) found that Google, for example, had trackers on 86% of the top sites accessed by Australians, and this pattern would be similar globally.

In this study, the actual number of visible ads was 1,402. Of these, some 1,315 were categorized as high risk (93.79%), while 87 were identified as mainstream (6.21%). These results are comparable to other countries where the most-complained about sites have been investigated.¹² A further breakdown of high risk ads into different categories is shown in Table 2.

It can be noted that the most frequent high risk ads were found to belong to the sex industry category (45.15%), followed by download services (25.55%) and scams (13.69%).

Table 3 provides a list of the most prevalent advertised brands identified.

Table 1 – Top Advertising Networks (Most Complained About)

Advertising Network	Items
ads.exoclick.com	103
main.exoclick.com	83
syndication.exoclick.com	83
ads.torrentco.com	80
waptrick.me	80
ad.zumads.com	30
ad.propellerads.com	30
track.adnetwork.vn	20
delivery.adnetwork.vn	20
www.adcash.com	20
unblockw.com	20
ads.clicksor.com	20
www.liveadoptimizer.com	20
ads.livedirsets.org	10
srv.juiceadv.com	10
ww.googletagservices.com	10
adserver.adreactor.com	10
cdn.popcash.net	10
stafaband.info	10
games.waptrick.me	10
iweb2.mangapicgallery.com	10
go.arbopl.bbelements.com	10
www.mangago.me	10

Table 2 – High Risk Ads Categories (Most Complained About)

Category	%
Sex	45.15
Malware	8.82
Download	25.55
Gambling	3.80
Scams	13.69

¹² These reports can be downloaded from SSRN. http://papers.ssrn.com/sol3/cf_dev/AbsByAuth.cfm?per_id=2166409-

**Table 3 – Most Advertised Mainstream Brands
(Most Complained About)**

Advertiser	N
Radiorage	12
Sling	10
Allin1Convert	10
Alibaba	10
Google Apps	8
imesh	3
ERV Travel	3
Amazon	1
CfS Medical	1
Weatherblink	1
Godaddy	1
Cadillac	1
Lifelock	1
Identity Guard	1
Paypal	1
Crowne Plaza	1
Marriott	1
VectorVest	1

3 MOST POPULAR SITES

In this study, a user model was developed, to replicate how people search for pirated content by means of search engines within Brazil, *only* in the local language. The approach was based on the snowball sampling technique, where a Portuguese seed term was used to find piracy sites on Google Brazil. When a piracy site is identified, any new Portuguese terms associated with piracy were then added to the term list, until no further sites were found (up to a limit of 50). Ten impressions were made of each page. These sites are shown in Appendix B.

A total of 2,088 advertising items were identified in this study. The advertising networks and other tools responsible are shown in Table 4. Once more major brands are listed. Yet in almost the reverse situation of the most-complained about sites, there were relatively few visible ads – 320 in total.

Also, the proportion of mainstream to high risk was reversed: a majority of ads in the most popular sites were mainstream (65.63%) versus 34.38% for high risk. Perhaps the most astonishing result was that there was no sex advertising at all on the local language sites, even though there was significant local language sex advertising on the most complained about sites. Table 5 provides a list of the mainstream advertisers identified in this study, and Table 6 provides a breakdown of the high risk ad categories.

Table 4 – Top Advertising Networks (Most Popular)

Advertising Networks	N
goo.gl	40
www.baixaki.com.br	40
4.bp.blogspot.com	30
ads.egrana.com.br	25
cdn.adf.ly	20
humornerd.com	20
ad2.adsafiliados.com.br	20
zoomads.org	19
www.adcash.com	18
cdn.popcash.net	10
downloadfilmesgratis.org	10
www.cpmaffiliation.com	10
baixarfilmesTorrents.org	10
www.comando-filmes.com	10
www.gospelparabaixar.com	10
baixarfilmesviatorrents.com	10
www.themediafire.com	10
scarytorrent.com.br	10
www.baixarcdstops.com	10
adprovider.adlure.net	10
www.downloadsfull.net	10
bdv.bidvertiser.com	10
1.bp.blogspot.com	10
www.doutormp3.com	10
www.bidvertiser.com	10
www.grandetorrent.com	10
www.animaniacos.org	10
www.facebook.com	10
torrentgames.biz	10
www.vytorcds.com	10
anoxxx.com	8

Advertising Networks	N
www.baixarcdstorrent.com.br	1540
i.imgur.com	50
adf.ly	48

Table 5 – Most Advertised Mainstream Brands (Most Popular)

Advertiser	N
Ford	60
Buscape	50
SEB COC	10
Brastemp	10
Xero	10
Netshoes	10
Nike	10
GVT	10
Dell	10
Jeep	10
Testlife	10
Zoom	10

Table 6 – High Risk Ads Categories (Most Popular)

Category	%
Sex	0.00
Malware	27.27
Download	45.45
Gambling	0.00
Scams	27.27

4 LINKS TO CHILD EXPLOITATION MATERIAL

Piracy websites are known to provide links to CEM (Fournier et al, 2014). In a longitudinal study, Prichard et al (2012) found that the term “pthc” (pre-teen hardcore) was consistently more frequently searched for than Harry Potter movies on what was the then #2 most popular torrent site. Other studies (e.g. Rutgaizer et al, 2012) have consistently linked piracy sites and CEM.

In the current two studies reported in the previous sections, some quite startling differences were observed: when the most complained-about sites were reviewed, the sex industry was the top high risk advertiser (and high risk advertising was the dominant category), yet for the most popular local language sites, there was no sex industry advertising. It is not clear why there should be such a difference: perhaps rights holders do not fully use the available intelligence to generate a very clear view of the sites which are actually making the most revenue and/or pose the greatest risk.

One particular category of sex industry website was quite prominent from this sample: manga, or Japanese comics. This category or genre of manga is known to depict simulated sexual acts between adults and children, between children or between children and animals. In many countries, such as the United States and the United Kingdom, obscenity laws cover the depiction of child sexual abuse in cartoon format; in a highly-publicised case, Christopher Handley, an American citizen, pleaded guilty to possessing manga books depicting child sex abuse, even though he possessed no other types of CEM¹³. He received a sentence of 6 months. Yet in Japan, while the possession of CEM has recently been criminalized, it only concerns materials where “real children are being depicted”, therefore this does not cover

13 <http://www.wired.com/2009/05/manga-porn/>

CEM in manga.¹⁴ The UN Special Rapporteur on the sale of children, child prostitution and child pornography recently urged the Japanese authorities to outlaw manga containing extreme child pornographic content.¹⁵

In the study of the most complained about sites, a number of manga piracy sites appear in the Top 100 (including mangapark.me, ranked #23). While many of the titles appear with non-CEM themes, mangapark.me hosts 487 “adult” titles, in which a number deal directly with CEM.

The prevalence of mainstream versus high risk advertising on the mangapark.me site was examined for the pages included in the sample, and 100% of the ads displayed were mainstream. Table 7 below shows the list of brands advertised.

Table 7 – Most Advertised Mainstream Brands on a CEM title on Mangapark.me

Advertiser	N
Teach.org	5
Ford	4
Legalzoom	3
Godaddy	2
Vectorvest	2
Microsoft	2
Dodge	2
Verizon	2
Fuelperks	2
Adobe	1
Cathay Pacific	1
Chevrolet	1

14 <http://www.aljazeera.com/indepth/opinion/2014/08/manga-anime-japan-still-treatin-201484145420634173.html>

15 <http://www.theguardian.com/world/2015/oct/27/japan-urged-to-ban-manga-child-abuse-images>

Advertiser	N
Wyndham Grand Resorts	1
Clear Care	1
Gerber Life	1
Olive Garden	1
UPS	1
Nissan	1
SmokeyBear.com	1
Zatarains	1
CBS All Access	1
Unopar	1
Westwing Home and Living	1
Salvation Army	1
Western Pest Services	1
Discovertheforest.org	1

The links between piracy sites, CEM and advertising appear to be quite strong; these links are not exclusive, since advertising of some kind appears on all piracy sites. Consider the case of a CEM user who may use a search engine to identify torrents that contain CEM, and then visit the piracy site. On the piracy site, the user is able to download a torrent, or in some cases, view the material by clicking on a series of links to reveal a preview gallery. At each step, the user is exposed to a range of advertising which the advertising networks deem to be relevant to the user. In some cases, information from the search engine may be combined with referrer pages and other observable data linked through cookies to refine the relevance further. Also, once the user is on the piracy site, they can click on the username of someone sharing CEM material, and see other files that this person has uploaded. As files become more popular with users in terms of downloads, they then tend to rank higher in search results.

The unexpected link to CEM comes in the form of image previews, which users also tend to upload in order for other users to verify that they will be downloading CEM (since there are a large number of fake files on piracy sites; Watters & Layton, 2011). This means that mainstream ad networks placing ads on image hosting sites

used for CEM previews may place ads alongside CEM images, especially when there is a “match” found between the interests of the user, and the advertiser.

To illustrate, one of the terms used by Fournier et al (2014) in their analysis of the CEM peer-to-peer ecosystem, was used in this study to seed an image search on a popular search engine. This returned a number of results which contained links to piracy sites. The first of these was a link to torrenthound.com. On the results page, only sex industry advertising was present. Taking the name of the image sets, a set of results was also returned from thepiratebay.la. The advertising displayed here was also high risk – sex industry and malware downloads. Clicking through further to the detail page for the first torrent, again sex industry advertising. Note that in most cases, the advertising is localized for Brazilian users, in Portuguese.

Unexpectedly, while users could just click the magnet link or download the torrent to obtain the material, a link to an image hosting service is also supplied (imgbox.com). This allows the user to verify that they will be downloading CEM. Yet it is at this stage that mainstream advertising once again (unwittingly) becomes linked to CEM: mainstream ads are placed on the pages where image previews are made available.

Thus, mainstream advertisers are being placed alongside CEM. Two particular examples merit a mention: ads for Nissan motor vehicles and Jockey underwear both were found on this preview page for CEM material. Mainstream advertisers would clearly not want their brands to be damaged in this way, yet the advertising networks and image hosting services have become unsuspecting players in the CEM ecosystem. The images displayed appear to have been produced by a US corporation which lists its WHOIS registration data as being in Russia. The lack of verification or validation of WHOIS registration data is a serious and ongoing impediment to cybercrime investigations, as much of it is fake (Watters et al, 2013b).

5 DISCUSSION

This report analysed piracy sites that are available to Brazilians, by simulating users searching for infringing content on either the most complained about sites (globally), or by searching using the country's official language on a local search engine. While the most complained about sites had primarily high risk advertising, of which a majority was promoting the sex industry, the local language sites had mainly mainstream ads, with nothing displayed from the sex industry. A key question which needs to be answered by further research is whether Brazilians tend to use global piracy sites, or prefer to search for pirated content in Portuguese on local sites. Given the significant amount of sex industry advertising on piracy sites, it is likely that this may become a pathway for young people to become exposed to CEM.

The manga sites in the most complained about category only had mainstream advertisers, including a range of technology companies, car manufacturers and not-for-profit organisations. Hopefully, the realisation that their advertising spending is facilitating access to CEM will ensure that such organisations pay closer attention to their marketing policies. This may be easier said than done: historically, advertisers simply leased ad space on a set of known websites, and when this approach didn't scale with the rise of internet advertising, advertising networks took over the role of bringing together advertisers and ad space. Yet, further complications have arisen over time: new entities, such as ad exchanges play a further intermediary role, allowing advertisers to purchase ad space targeted at quite specific demographics identified by behavioural profiles constructed by these exchanges. Ad networks, agencies and exchanges may be able to differentiate themselves in the marketplace by offering

guarantees that major brands will not appear alongside pornography, gambling, or indeed, be used to support the distribution of CEM.

In terms of policy responses, there are a number of options. From a harm minimisation perspective, given that the most complained about sites contain mostly high risk ads, approaches such as regulatory site blocking are likely to have an impact. A potential risk from this strategy is that users are pushed further towards the fringes of the internet, leaving them more exposed to advertising which may be even more harmful.

Another approach could be to have some sort of reporting mechanism through which the advertisers could be made aware that their ads are being placed on CEM sites, so that they could take direct action. As a result, their marketing teams would have to give a public explanation as well as identify the advertising networks who actually supply the ads. If the advertising networks withdrew from placing ads on these sites, then the sites would have no revenue to fund their illicit operations, and might be forced to close. This approach has been pioneered in the UK, where the City of London Police maintain a list of known illegal sites, known as the Infringing Website List (IWL), that advertising firms can use to ensure that advertising is not sent to those sites.¹⁶ It has resulted in a reduction of mainstream advertising on piracy sites when viewed by British users.

¹⁶ <http://www.bbc.com/news/technology-26788800>

6 CONCLUSION

This report points to ways in which piracy websites are being nurtured by revenues from both mainstream and high risk advertisements and how these same sites – which are known to be popular with children and young people – are thereby exposing the latter to materials which are likely to be extremely damaging to them as well as to adults who might likewise be exposed.

The Brazilian advertising industry has a major responsibility to act against local advertising networks which are placing ads on known piracy websites. If self-regulation is failing, then the Federal Government should step in.

In addition the brands themselves need to take more responsibility for ensuring that their advertising spend does not unintentionally

support sites which pose these type of threats to children and young people. How ironic that advertisers like Teach.org – setup to promote the teaching of young people – should be associated with a CEM title on a piracy site.

The difference between the types of advertising appearing on the most complained about sites and the sites which are most popular with Brazilians seems to suggest a disparity in the level of scrutiny and attention which ought to be addressed.

Bearing this in mind, could a system be established which regularly monitors the advertisements appearing on piracy websites in Brazil and provides timely advice both to the brands and to the advertising networks?

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APPENDIX A

TOP 100 MOST-COMPLAINED ABOUT WEBSITES – Google Transparency Sites for September 2015

1. <http://leg.ninja/>
2. <http://rapidgator.net/>
3. <http://uploaded.net/>
4. <https://myzuka.org/>
5. <http://mp3facebook.com/>
6. <http://rg.to/>
7. <http://freedsound.com/>
8. <http://mp3skull.cr/>
9. <http://mangaeden.com/>
10. <http://muzofox.net/>
11. <http://mp3mp3.me/>
12. <http://extratorrents.space/>
13. <http://extratorrent.tv/>
14. <http://extratorrent.website/>
15. <http://extratorrent.ninja/>
16. <http://extratorrent.club/>
17. <http://extratorrent.space/>
18. <http://extratorrent.work/>
19. <http://extratorrents.pw/>
20. <http://thepiratebay.gd/>
21. <http://extratorrent.mobi/>
22. <http://extratorrents.link/>
23. <http://mangapark.me/>
24. <http://extratorrentz.net/>
25. <http://extratorrentz.org/>
26. <http://1080pdownloads.eu/>
27. <http://extratorrent.ee/>
28. <http://extratorrent.ru/>
29. <http://extratorrenti.com/>
30. <http://filessoo.com/>
31. <http://extratorrentonline.com/>
32. <http://getmp3songspk.com/>
33. <http://extratorrentlive.com/>
34. <http://extratorrent.so/>
35. <http://extratorrents.website/>
36. <http://extratorrent.at/>
37. <http://extratorrent.ch/>
38. <http://extratorrent.be/>
39. <http://mrextraproxy.com/>
40. <http://extratorrente.net/>
41. <http://extratorrent.click/>
42. <http://extratrrnt.net/>
43. <http://extratorrent.info/>
44. <http://extratorrent.im/>
45. <http://extra-torrent.work/>
46. <http://extratorrentdownload.gq/>
47. <http://extratorrents.xyz/>
48. <http://extratorrentsoft.ru/>
49. <http://extratorrent.rocks/>
50. <http://extratrrnt.com/>
51. <http://extratorrentdownload.cf/>
52. <http://share-online.biz/>
53. <http://extratrrnt.org/>
54. <http://extratorrents.cf/>
55. <http://extratorrents.tk/>
56. <http://mp3facebook.com/>
57. <http://tekstowo.pl/>
58. <http://seedpeer.eu/>
59. <http://uploadable.ch/>
60. <http://abelhas.pt/>
61. <http://ytsre.eu/>
62. <http://chomikuj.pl/>

- 63. <http://mp3juices.is/>
- 64. <http://zmusic.mobi/>
- 65. <http://watchtvseries.ch/>
- 66. <http://tpbproxy.co/>
- 67. <http://pirateproxy.sx/>
- 68. <http://ketomob.com/>
- 69. <http://torrentz.eu/>
- 70. <http://limetorrents.cc/>
- 71. <http://oboom.com/>
- 72. <http://nestapaband.com/>
- 73. <http://piratebay.to/>
- 74. <http://mega.co.nz/>
- 75. <http://torrentz.me/>
- 76. <http://4shared.com/>
- 77. <http://waptrick.me/>
- 78. <http://theproxypirate.net/>
- 79. <http://mp3with.me/>
- 80. <http://intporn.org/>
- 81. <http://torrents.de/>
- 82. <http://mangago.me/>
- 83. <http://kat.cr/>
- 84. <http://intporn.com/>
- 85. <http://fileshark.pl/>
- 86. <http://freefilmshd.gq/>
- 87. <http://tpb.space/>
- 88. <http://piratebays.eu/>
- 89. <http://4shared-china.com/>
- 90. <http://mangachapter.me/>
- 91. <http://mangatalks.com/>
- 92. <http://thetorrent.org/>
- 93. <http://mp3song.rocks/>
- 94. <http://ul.to/>
- 95. <http://btsdl.cc/>
- 96. <http://kickass-torrents.kim/>
- 97. <http://musicaddict.com/>
- 98. <http://getmemp3.com/>
- 99. <http://rapidshare.com/>
- 100. <http://kickassstorrentdownload.link/>

APPENDIX B

TOP 50 MOST POPULAR SITES

1. <http://www.filmesetorrent.com/>
2. <http://series-torrent.org/>
3. <http://www.filmesviatorrents.com.br/>
4. <http://www.piratefilmostorrent.com/>
5. <http://www.clubedotorrent.org/>
6. <http://baixarfilmesviatorrents.com/>
7. <http://www.filmesetorrent.net/>
8. <http://www.rapidotorrents.com/>
9. <http://www.thepiratejogos.com.br/>
10. <http://www.baixarcdstorrent.com.br/>
11. <http://scarytorrent.com.br/>
12. <http://www.melhorestorrentbrasil.com/>
13. <http://www.telecinetorrent.com/>
14. <http://www.gamestorrent.biz/>
15. <http://www.comando-filmes.com/2015/08/dragon-ball-super-hd-720p-fullhd-1080p-legendado-download-torrent.html>
16. <http://www.thepiratefilmeshd.com/>
17. <http://www.filmesnotorrent.com/>
18. <http://www.filmostorrentseries.net/>
19. <http://www.thepiratebrazil.org/>
20. <http://aztorrents.net/>
21. <http://www.baixarmegagamestorrent.com/>
22. <http://music-torrent.net/>
23. <http://baixarfilmostorrents.org/>
24. <http://www.thepiratefilmes.com/2015/08/a-serie-divergente-insurgente-2015-bdrip-blu-ray-1080p-5-1-ch-dublado-download-torrent.html>
25. <http://7torrents.info/Movies/Default.aspx>
26. <http://www.meutorrent.net/>
27. <http://www.baixartorrent.net/>
28. <http://torrentsxd.com/>
29. <http://www.hipertorrent.com/>
30. <http://teutorrent.com/>
31. <http://www.torrentdosfilmes.com/>
32. <http://www.wolverdonfilmes.com/2015/08/vingadores-era-de-ultron-torrent-2015-web-dl-720p-1080p-dual-audio-download/>
33. <https://yts.to/browse-movies/>
34. <http://cinemacultura.com/>
35. <http://torrentgames.biz/>
36. <http://baixarcdstorrent.com/>
37. <http://www.filmesdubladostorrent.com/>
38. <http://www.baixarjogoscompletoviatorrent.com/>
39. <http://www.soparabox360.com/>
40. <http://www.grandetorrent.com/>
41. <http://www.ytsbr.com/>
42. <http://universeseries.com.br/>
43. <http://www.filmostorrent.org/breaking-bad-1a-a-5a-temporadas/>
44. <http://www.torrentfilmeshd.org/>
45. <http://www.btsdl.cc/>
46. <http://www.oficialtorrentgames.com/>
47. <http://www.filmostorrentslife.com/>
48. <http://www.seriesintorrent.com/>
49. <http://www.moviesviatorrents.com/2015/08/download-a-passagem-torrent-bluray-rip-1080p-legendado-2005/>
50. <http://baixakifilmes.net/a-serie-divergente-insurgente-2015-blu-ray-3d-1080p-dublado-download-torrent/>



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