### ICAC TASK FORCE

A BitTorrent Case Study

**Detective Robert Erdely** 





#### **Webinar Information**

This webinar is supported by grant 2014-MC-FX-K003, provided by the Office of Juvenile Justice and Delinquency Prevention (OJJDP), and is brought to you by the ICAC Training & Technical Assistance Program. Points of view or opinions in this document are those of the author and do not necessarily represent the official position or policies of the U.S. Department of Justice or Fox Valley Technical College.

ICAC Training & Technical Assistance is a program of the Fox Valley Technical College-National Criminal Justice Training Center (NCJTC).

# **During the Webinar**

- All attendees will be muted.
- If you desire to ask a question, please use the questions section of the GoToWebinar dialogue box, typically on the right side of your screen.
- Please do not raise your hand for questions, we can not unmute you.
- Questions will either be answered directly by a panelist or asked to the presenter who will answer.

# **Poll Questions**

- Poll questions may be asked during the webinar. They are asked so we can better understand the audience and provide the most useful information to you.
- As they will only be open a short period of time, please respond promptly.



#### **Post Webinar Information**

- At the conclusion of the webinar, a short survey will appear. We ask that you complete the survey in an effort to gather information to better serve the community in preparation for future webinars. Please complete it before signing off.
- You will receive a link to access our law enforcement only webinar library where you can view the recording and access related webinar material. Due to the sensitivity of some of the material you must be a registered law enforcement member of the NCJTC.org or ICACTaskforce.org websites. If you are not currently a member, you will need to register for access at www.ncjtc.org.

### ICAC TASK FORCE

A BitTorrent Case Study

**Detective Robert Erdely** 





#### Objectives

- Identify the torrents to investigate
- Configure Torrential Downpour / Torrential Downpour Receptor
- Research on ICACCops.com

# WWW.ICACCOPS.COM/USERS



		5
Infohash		Weight
c8685605d51b4b7bdfeef9f441b93a16411b	oe5bf	9
817e0637dd4bdfdb4bc032408da650391d8	3fd609	9
8b687670eb33dbfd3f386a5f4466262477f7	' <u>e22f</u>	9

#### Description

Total size of files: MegaBytes = 505 Number of files: 17 Number of Files Of Interest: 16. This collection of movie files include ones which depict the sexual assault of toddlers.

Total size of files: MegaBytes = 684 Number of files: 2,809 Number of Files Of Interest: 2,780. This collection of movies and images contain some which depict infants children being sexually assaulted.

Total size of files: MegaBytes = 800 Number of files: 4,669 Number of Files Of Interest: 3,356. This collection includes Images and Movies which depict infant children being sexually assaulted.

- Illinois ICAC first identified 817e
- Requested a list of all offenders with that torrent
- Conducted numerous investigations
- Conducted polygraph interviews on the same day as the search warrant
- 80% of the offenders admitted to a contact offense.

# Lookup available to find offenders

STORY IH DESC. IH SEARCH	TOP OFF OFF.	MAP DL HISTORY	
Select Country	: United States		
Select Region:	Pennsylvania	<b>○</b>	
Download Candidates for Inf	ohash: 817e0637dd4b	dfdb4bc032408da650391d8	3fd609
Download candidates	City	Last Seen	
<b>72.95</b>	Belle Vernon	3/27/2015 4:17:18 PM	
50.1	Hughesville	3/25/2015 4:54:26 PM	
50.15	Muncy	3/25/2015 3:12:34 PM	

# Click on IP to see the history

History for IP Address: 72		
Show Direct Conn	<u>ects</u>	
Bittorrent Infohash	Country	Re
817e0637dd4bdfdb4bc032408da650391d8fd609@72.	)2 US	P

#### Click on "Show Direct Connects"

History for IP Address: 72.											
Bittorrent Infohash	Country	Region	City	Date /	/ Time						

#### This Client is Firewalled

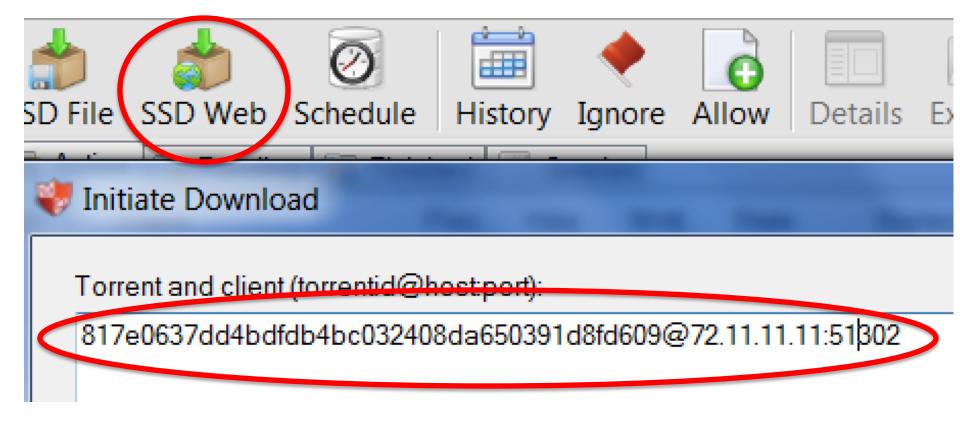
#### Click on "Show Direct Connects"

History for IP Address: 50.152.126.16

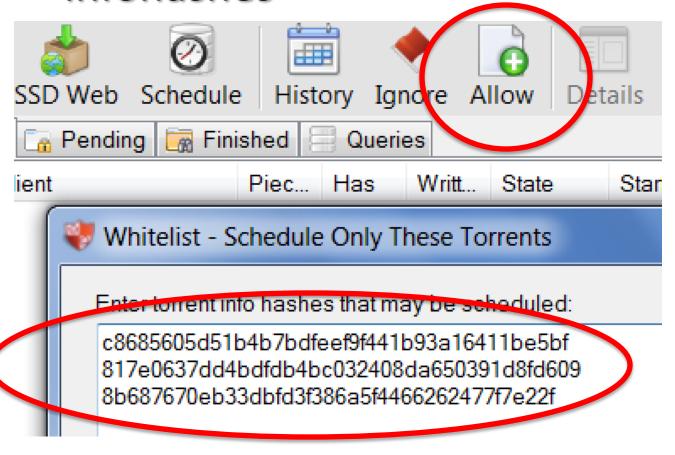
Bittorrent Infohash	Country	Region	City	Date / Time
b5574096cb77ae7e0a40e7946bf73132a02985db@50.152	US	PA	Hughesville	3/25/2015 3:31:18 PM
BT Pieces:390	BT Files:81	Percent Has:12	Has Pieces:47	Has Files:1
b5574096cb77ae7e0a40e7946bf73132a02985db@50.152	US	PA	Hughesville	3/25/2015 3:27:25 PM

#### This Client is not Firewalled

## Manually Target IP in Torrential Downpour



# Just Download targets with specific infohashes



# But Why Limit Yourself...

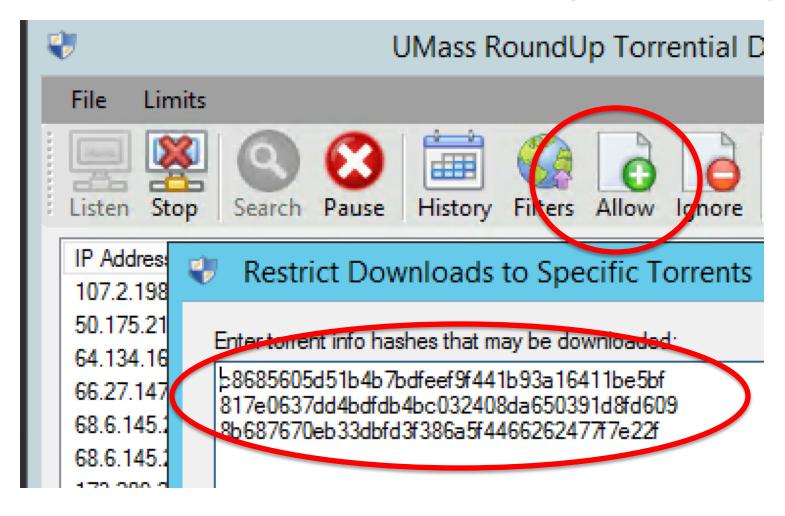
_											
	Location	Client	Status	Pieces	Acked	Written	Files	Completed	Started	Stopped	Info Hash
	US.AL.Mobile	68.35.	aborted	576	564	564	1726	1687	2015-03-23 00:50	2015-03-23 04:10	9f3d0d5edcf4d
	US.MD.Stevensville	108.8.	aborted	576	564	564	1726	1687	2015-03-20 02:48	2015-03-20 16:18	9f3d0d5edcf4
	US.MD.Stevensville	108.8.	aborted	576	564	564	1726	1687	2015-03-23 00:56	2015-03-23 08:33	9f3d0d5edcf4
	US.MD.Stevensville	108.8.	aborted	576	564	564	1726	1687	2015-03-23 22:41	2015-03-24 07:23	9f3d0d5edcf4



# ICACCops can list your downloads which my help other investigators

Download By	Infohash	Files	IP Address	DL Date	Software
Chris Stouch	<u>aa524a</u>	<u>1</u>	204.21	3/30/2015	μTorrent 3.4.2
Chris Stouch	<u>9f3248</u>	<u>4</u>	24	3/30/2015	uTorrent 3.4
Michael Henricks	<u>842865</u>	<u>15</u>	108.3	3/30/2015	μTorrent 3.4.2

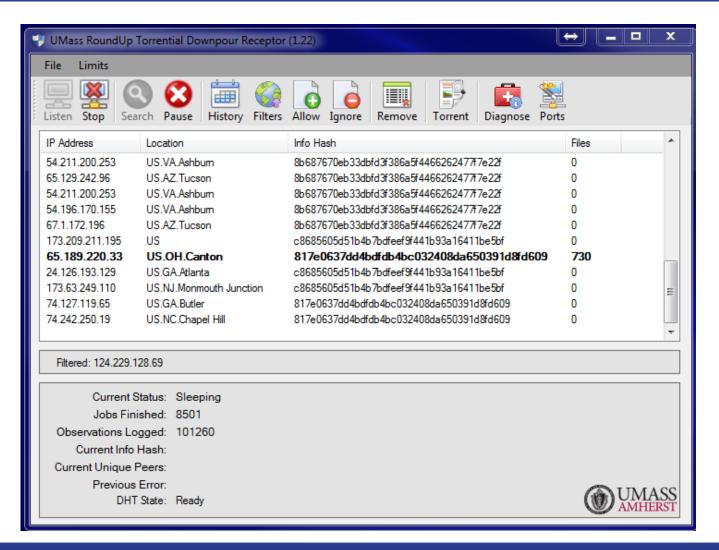
# What about Torrential Downpour Receptor...



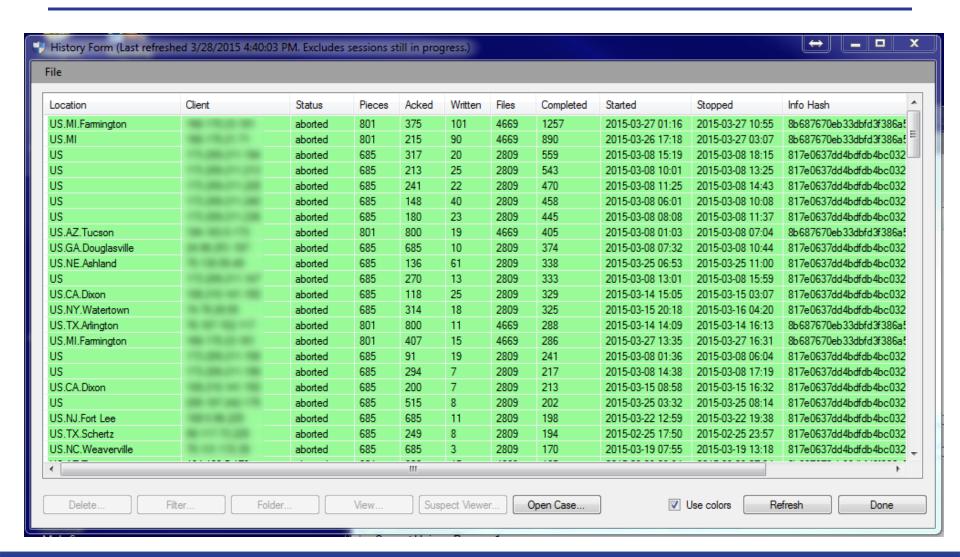
# **BitTorrent Case Study**

ONE

# **BT Receptor**



# **BT History**



# **BT Logs**

```
2015-01-09 22:09:30 - Torrential Downpour Receptor version 1.18
2015-01-09 22:09:30 - Remote client at IP address
                                                             has connected to us
2015-01-09 22:09:30 - Remote client using TCP port 50073
2015-01-09 22:09:30 - Our system local IP address is 10.0.1.23
2015-01-09 22:09:30 - Our public IP address is
2015-01-09 22:09:30 - Using local time (GMT-06:00)
2015-01-09 22:09:30 - Successfully exchanged handshakes
2015-01-09 22:09:30 - Info hash sent by remote client: 817e0637dd4bdfdb4bc032408da650391d8fd609
2015-01-09 22:09:30 - Client sent us a peer id of 2d4654313030302d2e7e43545330756575734b36
(version: -FT1000-)
2015-01-09 22:09:30 - Peer id we sent to the remote client:
2d6c74304339302dc679773e273bbfcb58d06f0d
2015-01-09 22:09:30 - Extended handshake data from client: m=<dictionary>, metadata_size=237948,
p=6881, regg=250, tr=0x495aa659bf5a803fd7279ccbc4c8508375469290, v=libtorrent/0.15.5.0,
yourip=
2015-01-09 22:09:30 - Received version in extended handshake: libtorrent/0.15.5.0
2015-01-09 22:09:30 - Extended handshake from remote client lists our public IP address as:
```

# **Suspect Viewer/Logs**

```
Suspect
  IP Address:
               -BT7920- Bit Torrent 7.9.2
  Client:
  Guid:
  Infohash:
               817e0637dd4bdfdb4bc032408da650391d8fd609
  Nickname:
  Internal IP:
  No of Files in toment:
                          2809
                          75
  Partial Downloads:
  Completed Downloads
                          1462
  ISP:
                              Start Investigation ICAC Cops
```

#### **ISP Subscriber Info**

#### WAINIAINT TOT EIECTIONIC CUSTOMET HATA

The State of Texas: To the Sheriff or any Peace Officer of Collin County, Texas, or any Peace Officer of the State of Texas:

Whereas, the affiant whose name appears on the affidavit attached hereto is a peace officer under the laws of Texas and did heretofore this day subscribe and swear to said affidavit before me, and whereas I find that the verified facts stated by affiant in said affidavit show that affiant has probable cause for the belief he/she expresses herein and establishes existence of proper grounds for issuance of this Warrant for Stored Customer Data or Communications under Article 18.21, Section 5A of the Texas Code of Criminal Procedure.

Now, therefore, you are commanded to execute this warrant by serving it upon the below-listed provider through any permissible means pursuant to the Texas Code of Criminal Procedure Article 18.21, Section 5A, to-wit:

Time Warner Cable/RoadRunner / Subpoena Compliance 13820 Sunrise Valley Drive, Herndon, VA 20171 Phone – (703) 345-3422 Fax – (704) 697-4911

The employees or agents of the above-listed provider are hereby ordered to furnish the Affiant hereof with the following electronic customer data from the providers' electronic storage as required by the Texas Code of Criminal Procedure Article 18.21, Section 5A, to-wit:

Records pertaining to: Internet Protocol (IP) Address between PM CT and PM CT.

- Subscriber information, to include subscriber's name, address, date of birth, status of account, account history, service address and billing address, ANI, and method of payment.
- · Connection log data for most recent log-ins
- Internet connection log data
- User information on the subscriber utilizing this IP address at the date/time listed.
- A list of definition pertinent to the records supplied
- Said records shall be supplied in digital format

#### **ISP Subscriber Info**

#### Session Details (Times Are GMT/UTC-0000)

IP Address:

Start Time:

Stop Time:

Duration: 0d 19h 23m 22s

#### Subscriber Information

VOL Account Number: Account Creation Date:

Customer Name: Account Address:

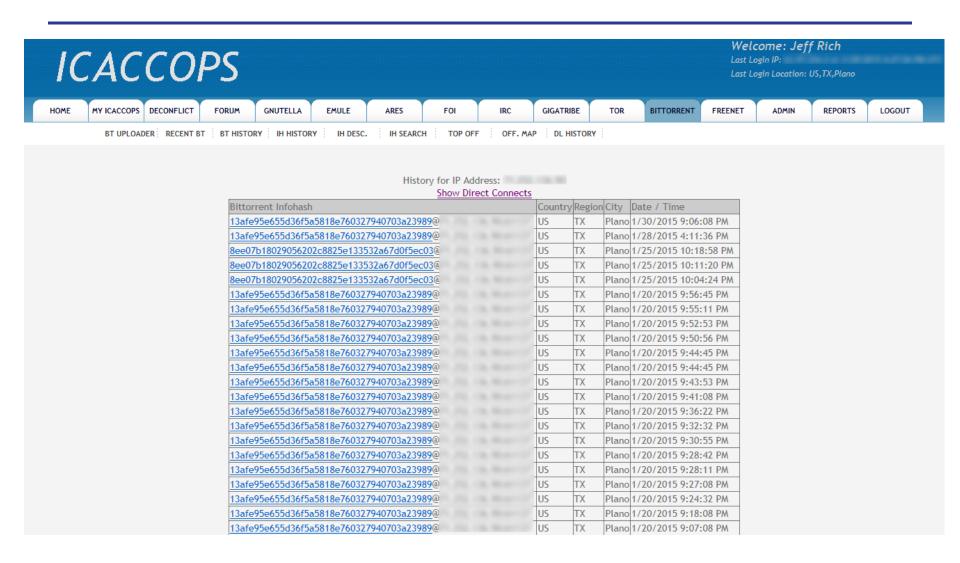
Daytime TN: Portal Choice:

EMail:

Type User ID User Name

Primary

\*END OF RECORDS\*



817e0637dd4bdfdb4bc032408da650391d8fd609	US	TX	Plano	11/19/2014 7:36:05 PM
e673d011fc94864fa169e81ad0287e4d7b78a219(	US	TX	Plano	11/19/2014 7:36:03 PM
817e0637dd4bdfdb4bc032408da650391d8fd609	US	TX	Plano	11/19/2014 7:35:03 PM
1c5f6b4f915090f6a8b384e68c6f07791c8ea2b7@	US	TX	Plano	11/19/2014 7:33:49 PM

Details for Infohash: 817e0637dd4bdfdb4bc032408da650391d8fd609

Total size of files: Bytes = 717,695,354, KiloBytes = 700,874, MegaBytes = 684

Number of files: 2,809

Number of Files Of Interest: 2,740

Number of Files Of Interest with Descriptions on IcacCops: 120

File Index	File Size	File Path	File Name
0	417678	awe pthc videos\!!! NEW 616 babypics - mixed&sorted\(pt pics) My babygirls (2yo suck fuck)\	dcp_2209.jpg
1	414528	awe pthc videos\!!! NEW 616 babypics - mixed&sorted\(pt pics) My babygirls (2yo suck fuck)\	dcp_2136.jpg
2	401908	awe pthc videos\!!! NEW 616 babypics - mixed&sorted\(pt pics) My babygirls (2yo suck fuck)\	DCP_2169.JPG
3	67279	awe pthc videos\!!! NEW 616 babypics - mixed&sorted\(pt pics) My babygirls (2yo suck fuck)\	2yo-0057.JPG
4	62959	awe pthc videos\!!! NEW 616 babypics - mixed&sorted\(pt pics) My babygirls (2yo suck fuck)\	janet47.JPG
5	62255	awe pthc videos\!!! NEW 616 babypics - mixed&sorted\(pt pics) My babygirls (2yo suck fuck)\	janet49.JPG
6	59293	awe pthc videos\!!! NEW 616 babypics - mixed&sorted\(pt pics) My babygirls (2yo suck fuck)\	janet44.JPG
7	59293	awe pthc videos\!!! NEW 616 babypics - mixed&sorted\(pt pics) My babygirls (2yo suck fuck)\	janet-015F.JPG

The following IP addresses have hits. Click on IP address to lookup the IP address.

Row Number	IP Address	Country	Region	City	Ares	Ares Browse	eMule	Gnutella	Gnutella Browse	Gnutella2		Gigatribe Bittorrent		Bittorrent Tor Freenet		Irc		
										9 9 30 4			30.70	30 C PM			-	AM
	IP Address				Ares	Ares Browse	eMule	Gnutella	Gnutella Browse	Gnutella2		Gigatribe	Bittorrent		Tor	Freenet	Irc	
				Totals	0	0	0	0	0	1		0	1		0	1	1	

# **Social Media**



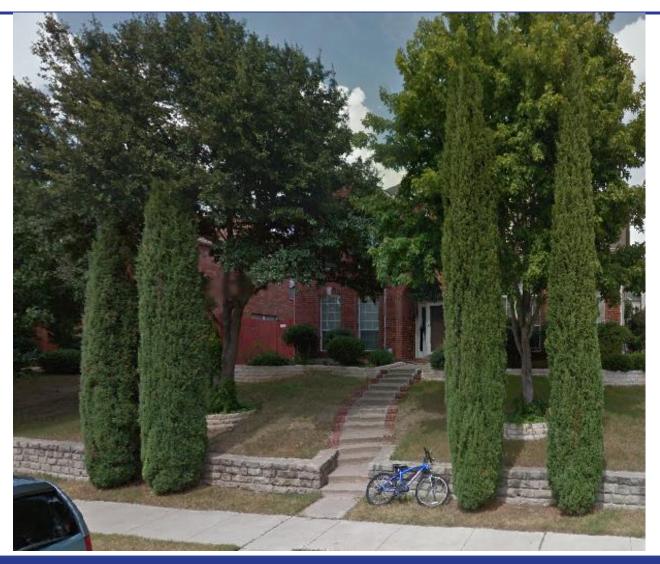
Teaching the boys what Saturday's are supposed to be like.



# **Social Media**



# **Surveillance**



National Criminal Justice Training Center

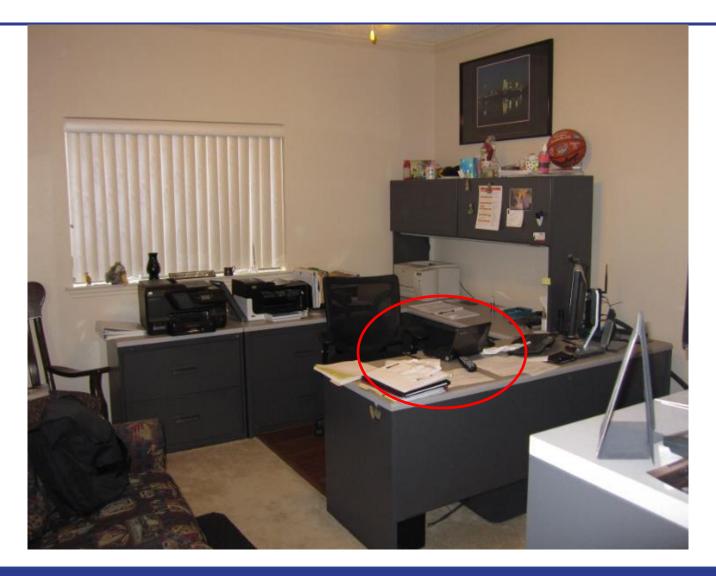
# **Surveillance**



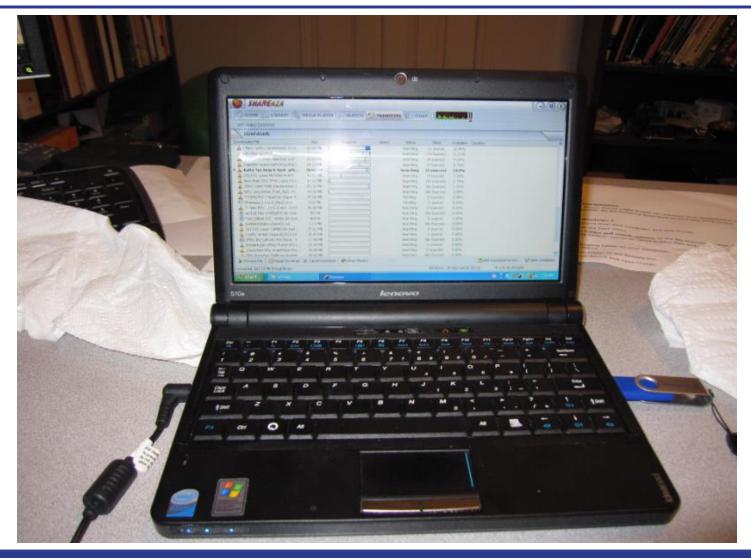
#### **Search of Residence**

- Entry made at 7pm via knock and talk approach
  - Children getting ready for bed
  - Wife out shopping
  - Suspect was home and in the office of the home (as seen through the window before entry
  - Subject was downloading CP upon entry

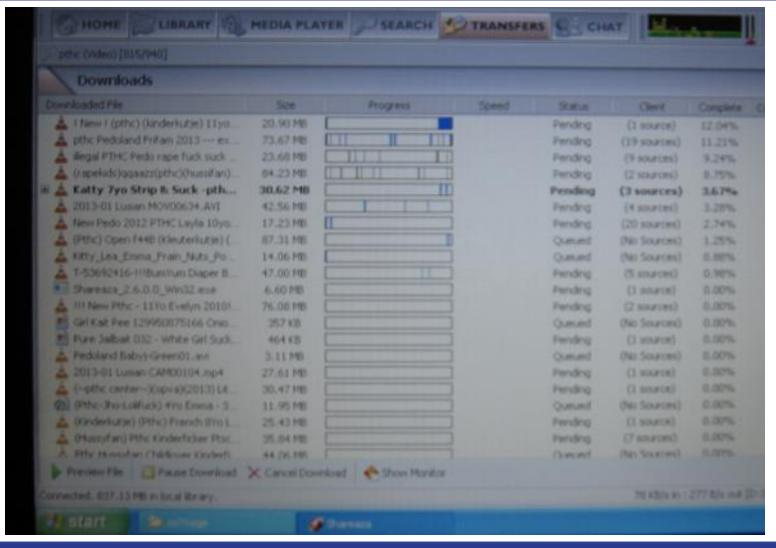
# **Search of Residence**



### **Search of Residence**



### **Search of Residence**



### **Forensic Interview**



### **Forensic Interview**



CHILDREN'S ADVOCACY CENTER
OF COLLIN COUNTY



### **Forensic Interview**



## **Outcry of Abuse**

 Oldest – No outcry of abuse but stated that father seemed closer to the younger sibling

Youngest – Outcried to digital and oral penetration

## **Re-Interview of Suspect**

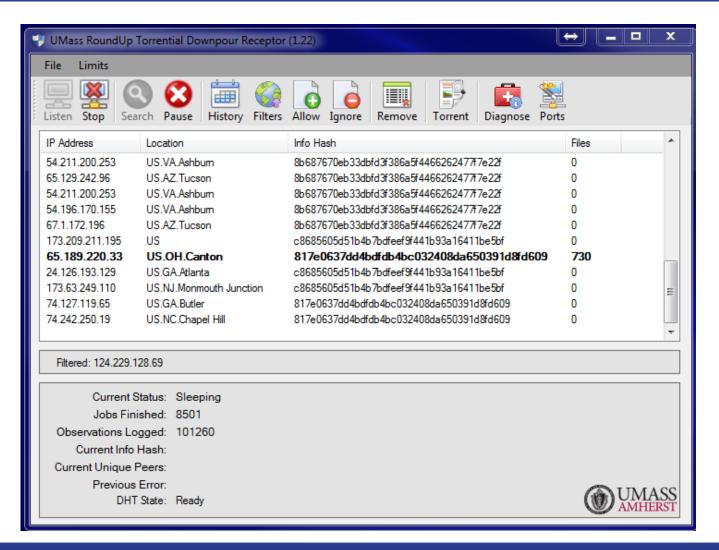
 Subject confessed to the sexual abuse of the child.

Sentenced to life in prison for Aggravated
 Sexual Assault of a Child

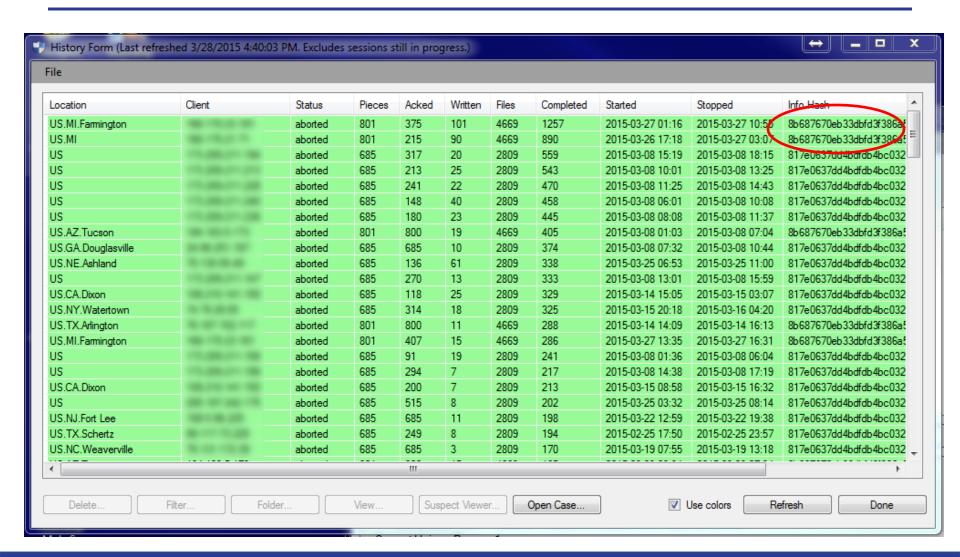
# **BitTorrent Case Study**

TWO

## **BT Receptor**



## **BT History**



## **Background**

 It was learned the suspect was a babysitter and a children's gymnastics coach for several gyms.

 Provided babysitting services in your home for your convenience

### **Search Warrant Conducted**

 Subject had pawned his laptop at a local pawn shop

 Subject had pawned his tablet at another (different) pawn shop

 Over 6,000 images and videos located in the recycle bin on the laptop

 Evidence of torrent searching located laptop and tablet

#### Torrent search engine

Todddlers, babies, little girls pthe pies [sponsored link]

We would recommend you to use this download link for verified download

#### Todddlers, babies, little girls pthc pics torrent

Title: Todddlers, babies, little girls pthc pics

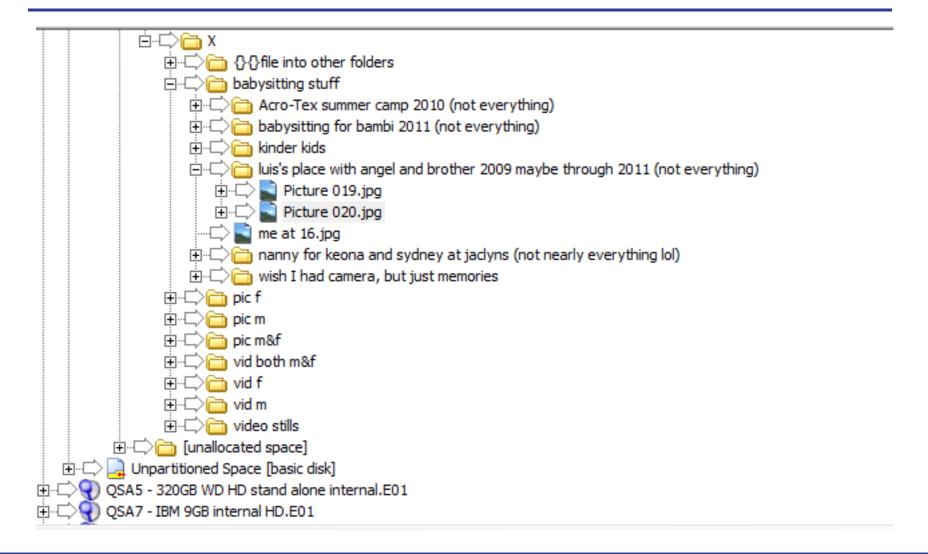
<u>5 Direct Download</u> Category: Other

Direct Download Category: Other
Size: 800.32MB

You need a program like Uash 95697670sh

For Abuse please <u>click here</u>

<u>Magnet link</u> Search more at: on Website, <a href="https://www



 Subject found to possess images from various gyms – talked about making "forts" with the children and abusing the children while they hid in the forts from the other children.

Images found to support this

# **Building Forts**



# **Building Forts**



National Criminal Justice Training Center

# **Building Forts**



National Criminal Justice Training Center

 Information was found about how he would drug the children to get them sleepy so he could abuse them.

 Images that he took were found to support this.



National Criminal Justice Training Center



National Criminal Justice Training Center



National Criminal Justice Training Center

#### Summary of Qualifications

Experience managing small and large groups of children in various environments including aquatics and other places where there is a lot of open space such as public events, field trip organization and attendance,

Scheduling and managing staff of up to 10 including scheduling and supervising lifeguards and head guards, public and general patron relations, training new coaches, managing various programs and leading other activities in various environments

Childcare licensing training 2009 -TDPRS- and some training in SIDS/SBS/ECBD

Career Driven and interested in a professional position with opportunity to move forward

Making a difference in kids lives in the gym for nine years and loving it!

- -Austin Party Central, 11810 Manchaca Rd. Austin. Tx. 78748. Duties involved assembling orders from warehouse and other storage locations and preparing for client pick-up or for delivery.
- -Star Center Gymnastics, 3100 Slaughter Ln. West Bldg B, Austin Tx. '08' Coached pre-school and rec. level classes, and helped with boys team lyls 3, 4, 5, and 6. Also did summer camps, and after school care
- -Capital Gymnastics, 13900 IH35, Austin, Tx. '07' Coached boys team, girls and boys recreational gymnastics, pre-school gymnastics, and tumbling classes
- -The Austin Children's Shelter., 804 Rio Grande, Austin, Tx. 78701 '2007' Direct care of children in a "temporary residential environment" to children who were removed from their homes for various reasons mostly due to neglect. Duties include all parental duties some of which include transporting children to appointments, getting school age children to the bus, feeding infants and younget children, homework, bathing and hygiene, as well as monitoring and documenting behavior daily for the childrens files and for the on site psychologists and therapists.
- -The City of Kyle, 100w. Center St. Kyle Tx. 78640, '07' Duties included seeing on-site daily operations of the pool ran smoothly, patron relations and policy enforcement, pool and chemical maintenance, supervision of head lifeguards/staff and keeping up with training hours, cleaning schedules, & helping coordinate as well as coaching swimming lessons, etc...
- -The City of San Marcos, 555 Cheatham Rd, San Marcos, Tx. '06' Headed all the lifeguards, and assisted in scheduling and helping coordinate logged hrs of training lifeguards require each year, pool and chemical maintenance, as well as maintaining patron relations and policy enforcement.
- -The Little Gym, 4404 Wm cannon Dr. Austin, Tx. '06' Coached pre-school and recreational gymnastics and implemented pre-made nation-wide chain lesson plans each week with different themes and skills of focus
- -Rachel's Tumble-Bus, 2721 Miller Ct, Wichita Falls, Tx. (address is former owners home, bus was mobile) '05-06' Responsibilities included but were not limited to. Promotional ideas for potential implementation, client relations with new schools and daycare owners. General maintenance of the bus as well as driving the full sized bus (no passengers/no CDL required) to schools where we coached the kids.

Over 15,000 images of CP found

Over 1,200 videos of CP found

Production evidence recovered

## More Background Found



National Criminal Justice Training Center

### **Case Information**

 Canvas to Gyms that he was involved with as well as daycares was made, asking for anyone with information to come forward.

4 victims have been identified so far

Case is pending a plea agreement

### **Contact Information**

Robert Erdely

(484) 727-8283

Jeff Rich

(972) 941-2631