Access blocking of domains
- The use of domains in child exploitation

Bjørn-Erik Ludvigsen, THB, INTERPOL
Why access blocking?

Preventive policing

• Protect the rights of the victims
• Prevent criminal access, distribution and possession
• Prevent harmful exposure
History of access blocking

Internet Watch Foundation
• Industry led prevention work

National police
• Blocking based on national legislation

CIRCAMP
• European police project of 14 countries

INTERPOL
• ”Worst of”-list of domains
National blocking lists

Norway
Sweden
Denmark
Finland
Italy
Malta
New Zealand
Switzerland

UK (IWF)
History of access blocking

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INTERPOL
• ”Worst of”-list of domains
INTERPOL Resolution

Unanimous adoption by INTERPOL General Assembly October 2009

Combating sexual exploitation of children on the Internet using all available technical solutions, including access-blocking by INTERPOL member countries
“Worst of”-list of domains

Criteria

- Children younger than 13 years old
- Real children
- Severe abuse or focus on genitalia
- Double checked by at least two countries or organizations
- Online during the last three months
"Worst of"-list of domains

Current list: 386 domains
New domains per week 2010: 21
New domains per week 2011: 35

• Available for all ISPs/ASPs for free
• Available through the country’s INTERPOL NCB
• No requirements for feedback or statistics
• "Stop page" available, but not obligatory
"Worst of"-list of domains 2011

<table>
<thead>
<tr>
<th>Domain</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>.com</td>
<td>194</td>
</tr>
<tr>
<td>.ru</td>
<td>41</td>
</tr>
<tr>
<td>.cc</td>
<td>29</td>
</tr>
<tr>
<td>.net</td>
<td>24</td>
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<td>.su</td>
<td>19</td>
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<td>.tv</td>
<td>17</td>
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<tr>
<td>.ua</td>
<td>11</td>
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<td>.in</td>
<td>11</td>
</tr>
<tr>
<td>.jp</td>
<td>9</td>
</tr>
<tr>
<td>.org</td>
<td>5</td>
</tr>
<tr>
<td>.info</td>
<td>4</td>
</tr>
<tr>
<td>.tk</td>
<td>4</td>
</tr>
<tr>
<td>.de</td>
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<td>.it</td>
<td>2</td>
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<td>.co</td>
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<td>.ws</td>
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</tr>
<tr>
<td>.eu</td>
<td>1</td>
</tr>
<tr>
<td>.to</td>
<td>1</td>
</tr>
</tbody>
</table>
The Problem

Examples
The Problem

A partial solution..
Your browser has tried to contact a domain that is distributing child sexual abuse material. Access to this domain has been blocked by your Access Service Provider in co-operation with INTERPOL.

This is a preventive measure to protect the children that have been victims of documented sexual abuse and to prevent further dissemination of the evidence of this abuse.

All domains that experience redirection have been checked by police officers at INTERPOL in co-operation with CIRCAMP, and were found to contain child sexual abuse material according to very strict criteria.

The content on the domain may change over time and/or be hidden from plain view, so that the domain may appear legal if accessed. If you strongly believe that the domain is wrongly blocked, you may contact INTERPOL.

If you are the domain owner, you may complain about the inclusion of your domain on this list via EUROPOL.

If you would like to report content that you have come across on the Internet or use your local hotline, go to INHOPE for an overview of national hotlines in many countries.

Actions:
- Go to INTERPOL
- Go to EUROPOL
- Go to CIRCAMP
- Criteria information
- Report error
Whois information

The reliability of Whois
Whois information

Benefit of whois = none
Credibility of whois = none
<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registrant:</td>
<td>Diana Collins</td>
</tr>
<tr>
<td>Domain Name:</td>
<td>Optimis.com</td>
</tr>
<tr>
<td>Created:</td>
<td>01-Feb-11</td>
</tr>
<tr>
<td>Expires:</td>
<td>01-Feb-11</td>
</tr>
<tr>
<td>Registered:</td>
<td>Richard LoiD</td>
</tr>
<tr>
<td>Administrative Contact</td>
<td>Richard LoiD, 80 Harbor Blvd, Burbank, Washington 99323, United States</td>
</tr>
<tr>
<td>Technical Contact:</td>
<td>Richard LoiD, 80 Harbor Blvd, Burbank, Washington 99323, United States</td>
</tr>
<tr>
<td>Domain Name servers</td>
<td>NS67.DOMAINCONTROL.COM, NS68.DOMAINCONTROL.COM</td>
</tr>
<tr>
<td>Domain</td>
<td>NS66.DOMAINCONTROL.COM, NS68.DOMAINCONTROL.COM</td>
</tr>
</tbody>
</table>

Registry Status: clientUpdate

Registrar: n/a
Registration Date: 08-Feb-11
Domain Name: Optimis.com
Administrative Contact: n/a
Technical Contact: n/a
Domain Name servers: NS67.DOMAINCONTROL.COM, NS68.DOMAINCONTROL.COM

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registrant:</td>
<td>Elton Louis Metcalfe, 80 Harbor Blvd, Burbank, WA 99323</td>
</tr>
<tr>
<td>Domain Name:</td>
<td>Optimis.com</td>
</tr>
<tr>
<td>Created:</td>
<td>01-Feb-11</td>
</tr>
<tr>
<td>Expires:</td>
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</tr>
<tr>
<td>Registered:</td>
<td>Richard LoiD, 80 Harbor Blvd, Burbank, Washington 99323</td>
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Things to consider

Control whois data for validity

- correct and controllable information?
- number of domains in total
- number of domains created at one time
- credit card used

Suspension of domains on the "Worst of"-list

- contact the owner
- if no reply or non working address – remove permanently

Higher demands on domains offering sub domains

Higher demands on hosts

- baseline filelist
In closing..

Online content should adhere by the same standards as offline content

Thank you very much for the attention!

Bjørn-Erik Ludvigsen

For more information:
http://www.interpol.int/Public/THBIInternetAccessBlocking/