Child ♥ Protect

ONE EFFECTIVE AND EASY-TO-ADOPT INSTRUMENT OF ABUSE FILES DETECTION

www.childprotect.com

WHO WE ARE

WEBZILLA IS ONE OF THE WORLD'S LARGEST HOSTING PROVIDERS.

- developed infrastructure in the United States, Asia and Europe

- total number of servers exceeds 10,000 units

- more than 500 servers used for public hosting projects

- our customers are 4Shared, DepositFiles and other major cloud and file exchanging services

We know how these services work and we know their problems as well.

PROBLEM:
ABUSE FILES DETECTION

Child Protect

FILE EXCHANGING SERVICES ARE INTERESTED IN PREVENTING THE SPREAD OF CHILD ABUSE FILES,

BUT

- they have to deal with terabytes of information
- they can't automatically evaluate files for abuse-content
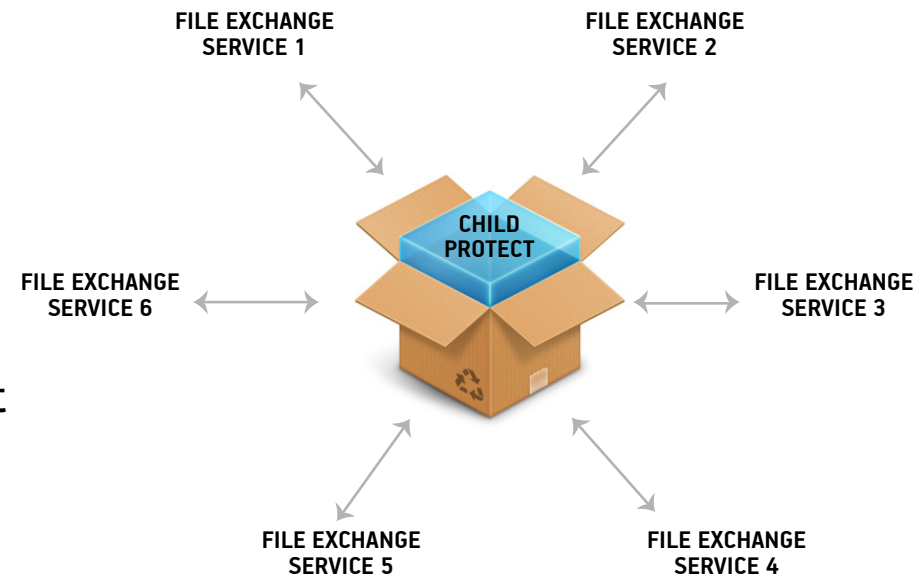- their branched architecture complicates the task

We have a solution.

CHILDPROTECT.COM

Child ♥ *Protect*

THE MAIN PRINCIPLE LIES IN THE EXCHANGE OF DATA BETWEEN ALL THE WEB SERVICES.

- The service joins the system and connects the API

- The service receives information about the abuse-file from authorities, public organizations or private persons and removes it

- All participants of Childprotect.com system get notification this file contains illegal content

Thus, each Childprotect.com participant receives a list of illegal files that may be stored on their servers.

How to identify illegal files?

FILE EXCHANGE SERVICE 1

FILE EXCHANGE SERVICE 2

CHILD PROTECT

FILE EXCHANGE SERVICE 6

FILE EXCHANGE SERVICE 3

FILE EXCHANGE SERVICE 5

FILE EXCHANGE SERVICE 4

MD5 IDENTIFICATION

Child♥Protect

FILES ARE IDENTIFIED BY A 32-BYTE MD5-HASH.

- Persistent algorithm provides a reliable identification of a particular file

- Allows to densely store an array of identifiers

- Simply implemented. No special software needed to ensure identification

API

- API Authorization is based on keyed-HMAC
  (Hash Message Authentication Code), which is also used
  by Amazon Simple Storage Service.

- User receives a Secret Access Key and a unique Key ID.

- Full security is reached by SSL-encryption, which is used
  for data transmission.

FULLY AUTOMATED SYSTEM OPERATION

Child Protect

- System participators have to perform no action to report the remote file as everything is made automatically right after the connection is established.

- They simply remove the abuse files they host and get information about what files the other system participants have removed.

- Participant always sees only the latest abuse files (those files that were removed or reported by the participant are not on the list).

Child Protect

FILE EXCHANGE SERVICES GET:

- Free tool
- Easy tool implementation
- Latest, constantly updated information
- Safe technologies

Combination of all these features provides an effective way to identify child abuse content.

PROJECT FUTURE

Child Protect

- System development is now finished.

- Web interface is available at childprotect.com

- Our customers start testing and implementing it at their services
Tens of companies in this sector showed their interest in Childprotect advantages

- To join, write to apply@childprotect.com

Child ♥ Protect

Thank you for your attention

www.childprotect.com

www.webzilla.com

Alex Gubarev, CEO

alex@webzilla.com