



***WHY COMPANIES NEED TO FOCUS ON A
PROBLEM THEY DON'T KNOW THEY HAVE***

*Richard Matti
Virus Bulletin Conference, London October 2019*

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A grid of approximately 40 laptops arranged in 5 rows and 8 columns. The laptops are light gray with dark keyboards. The laptop in the second row, fourth column is highlighted with a white border and a light orange glow around its screen. The text "A SECURITY THREAT THAT IS OFTEN OVERLOOKED" is overlaid in white on a black rectangular background across the middle of the grid.

A SECURITY THREAT THAT IS OFTEN OVERLOOKED

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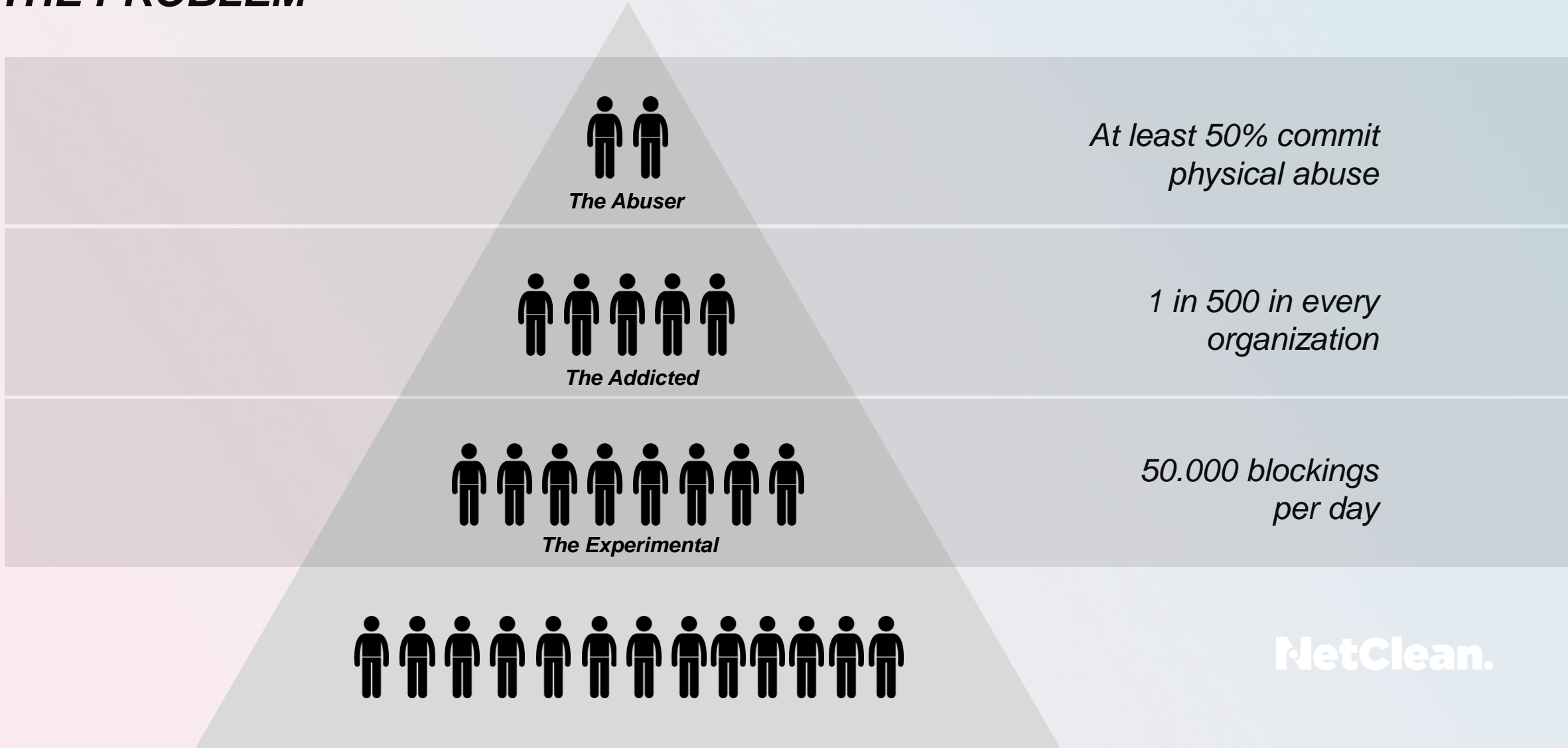


1 IN **500**

*employees use their work
computer to handle Child
Sexual Abuse Material*

// THE PROBLEM

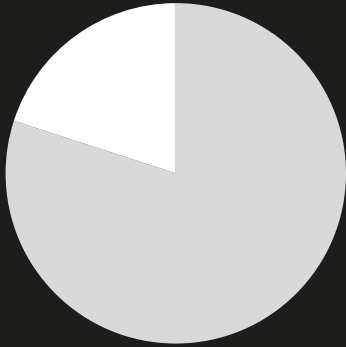
THE PROBLEM



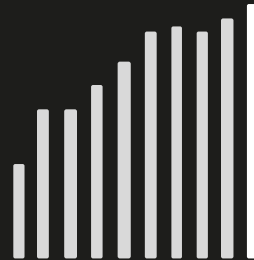
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// THE PROBLEM

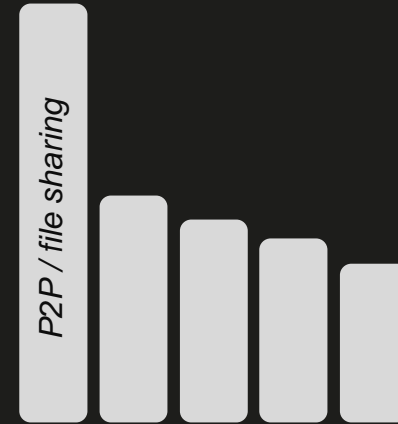
FACTS



80% of the material displays children below the age of 10 years.



The spread of Child Sexual Abuse Material is constantly increasing.



50-80% of the material is found through P2P, file sharing and Darknet.

// THE PROBLEM

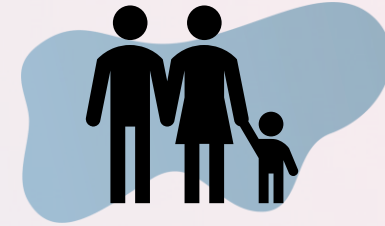
FACTS



Digital tools facilitate the production, storage and spread of CSAM.



CSAM is illegal to download, distribute, and view in most countries.



A problem that exists in all areas of society, family structures, environments and workplaces.

// THE PROBLEM

WEBFILTERS ARE NOT ENOUGH



*CSAM is illegal
and thus not
often shared on
the open internet*



*Blocks on URL level
using lists of known
sites that quickly
become obsolete*



*Statistically most
alerts are triggered
by material found
on external media*



*Webfilters only block
access, detection
provides a way to follow
through on alerts*

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// THE POWER OF COLLABORATION

IT TAKES A NETWORK TO BEAT A NETWORK

NGO

RESEARCH

BUSINESSES

LEA

TECHNOLOGY

POLITICIANS

**PRIVATE
SECTOR**

**OPINION-
MAKERS**

INDIVIDUALS

**PUBLIC
SECTOR**

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NETCLEAN REPORT 2018

A REPORT ABOUT
CHILD SEXUAL ABUSE CRIME.



RESULTS

EIGHT INSIGHTS INTO CHILD SEXUAL ABUSE CRIME

01

Self-produced material
Voluntarily self-produced material
is most common

02

**Grooming, sexual extortion
and trafficking**
Children of all ages are groomed
and extorted

03

Organised offenders
Groups consist of thousands
of individuals

04

Cryptocurrencies
Often connected to other
crime types

05

Manipulated and hidden images
A challenge for investigators

07

**Child sexual abuse crime
in the workplace**
One in 500 employees

06

Technical development
One in five police officers
has found deepfakes

08

**Work computers used for
child sexual abuse crime**
Most common outside
office hours



THE EXPERIENCE AND PERSPECTIVE OF EMPLOYERS

07

CHILD SEXUAL ABUSE CRIME IN THE WORKPLACE

08

THE WORK COMPUTER IS USED TO COMMIT CHILD SEXUAL ABUSE CRIME

// TECHNOLOGY

NETCLEAN PROACTIVE

- *Keep your work environment free from CSAM*
- *Like an antivirus software*
- *Only detects CSAM that has been classified by law enforcement*
- *Signature-based detection*
- *Extended search capabilities*
- *Detection regardless of source*



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// TECHNOLOGY

WHY IT IS NECESSARY TO DETECT ON CONTENT



*Offender
documents abuse
(image/film)*



*The material is
uploaded to internet
(open or Dark Net)*



*Images and videos
are spread across
the internet.*



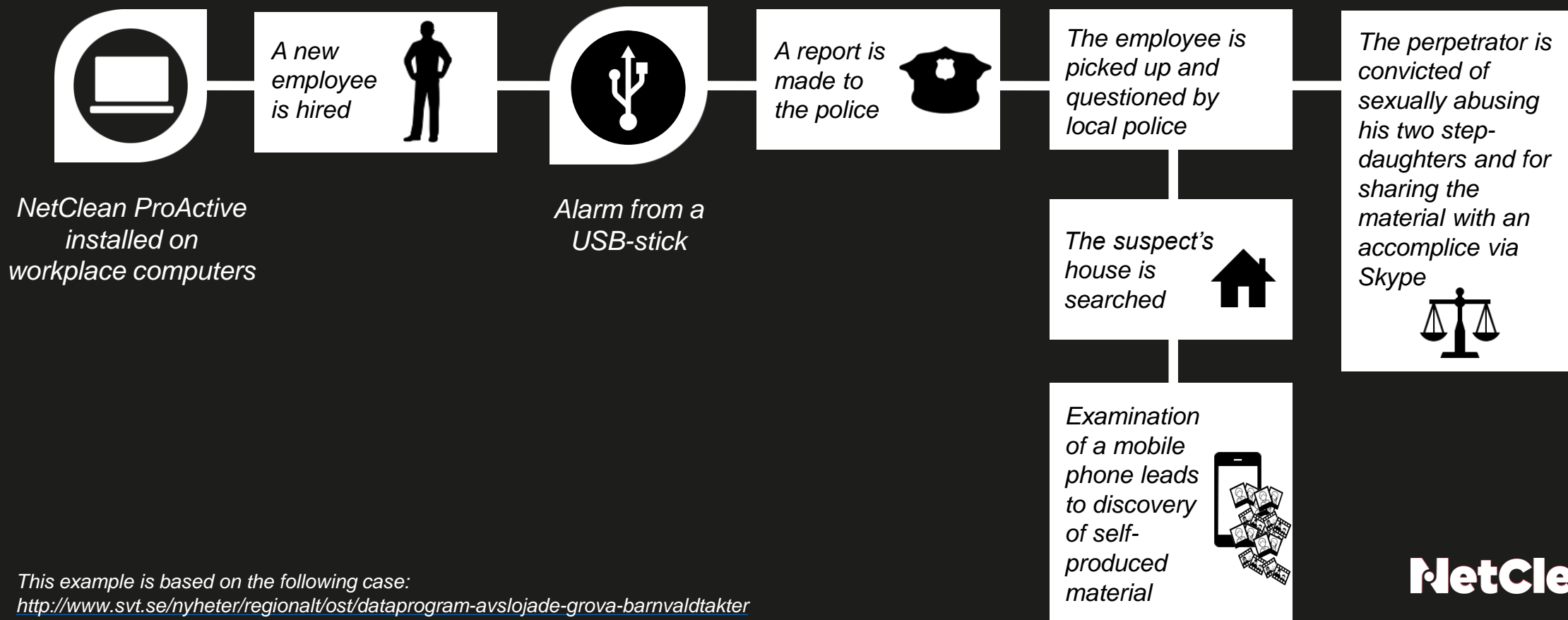
*Someone downloads
the material (encrypted
or without encryption).*



*The material is
accessed by
someone's device.*

// NETCLEAN PROACTIVE

A REAL EXAMPLE



*This example is based on the following case:
<http://www.svt.se/nyheter/regionalt/ost/dataprogram-avslojade-grova-barnvaldtakter>*

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// PRIVATE & PUBLIC SECTOR

BUSINESSES & ORGANIZATIONS HAVE A UNIQUE OPPORTUNITY



*Assist Law
Enforcement & help
identify & save
children from abuse.*



*Identify illegal activity
& prevent crime in the
workplace.*



*CSR, Ethical &
Responsible
Business, Agenda
2030.
UN SDGs.*



*Adhering to
legislation & Policy
Compliance.
Brand Protection.*



*Corporate Security.
Manage Risks.*

A photograph of a person carrying a young child on their shoulders, viewed from behind. They are looking out over a residential street with houses and trees. The image has a soft, slightly blurred quality with a color gradient from blue on the left to orange on the right.

HOW WILL YOUR ORGANIZATION TAKE RESPONSIBILITY?

*richard.matti@netclean.com
daniel.sundler@netclean.com
andreas.lood@netclean.com*

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