



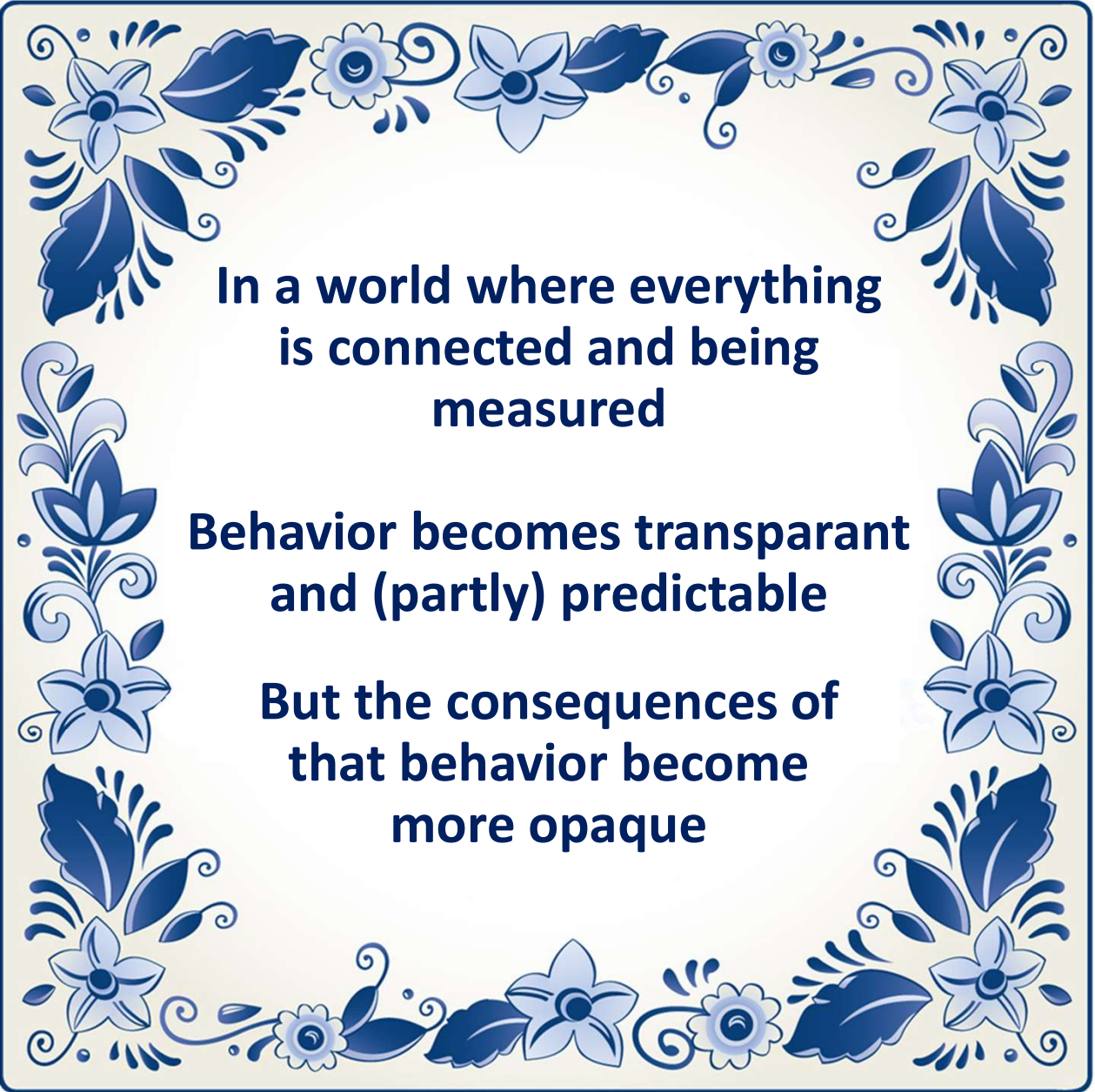
IoT, Cyber & Policing

Jaap van Oss, Strategic specialist on Cybercrime

Manon den Dunnen, Strategic specialist on Digital Transformation

IoT disruption

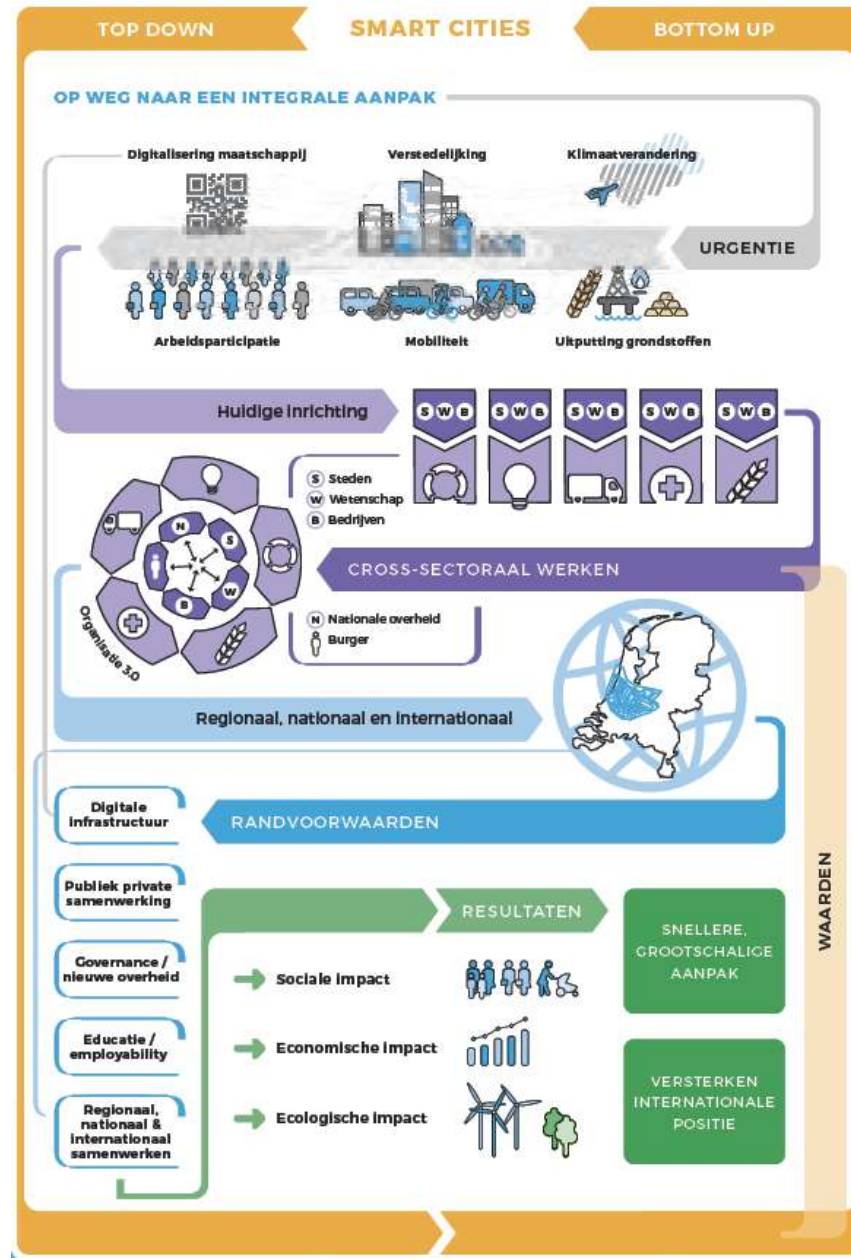
1. Disruption from an organizational perspective
2. Disruption from a societal perspective. Constitutional rights:
Article 1: In the Netherlands everyone is treated equally in equal circumstances.
Article 10: Everyone is entitled to privacy in the Netherlands.
Everyone has a right to see what is recorded about him... And to make changes if the data are incorrect

A decorative border in shades of blue and white, featuring stylized flowers, leaves, and swirling vines, framing the central text.

**In a world where everything
is connected and being
measured**

**Behavior becomes transparant
and (partly) predictable**

**But the consequences of
that behavior become
more opaque**



Key principles

- digital infrastructure must **contribute to a liveable, healthy and safe city**. The infrastructure is for everyone in the city's public space, irrespective of their social position and income. The infrastructure is **easily available and accessible and is future-proof and secure**. It is designed in accordance with European and national legislation and regulations relating to privacy and security.
- the market players, organisations, authorities and residents **are producers and consumers** of the digital infrastructure and of the 'smart services' that utilise it. Together, in co-creation or alone, and where they deem it either desirable or necessary. The authorities direct and regulate where necessary to guarantee the availability and security of the digital infrastructure in the digital city.
- The technology for the Internet of Things is **publicly known, secure and interoperable, has 'open interfaces', 'open protocols', and makes use of 'open standards, unless...'** national or European standards indicate otherwise; they take precedent. **Residents know** what equipment is installed in 'their surroundings', have influence on it, and are able to use it.
- data is 'open and shared unless...' legislation and regulations relating to privacy and security indicate otherwise and unless the data owner does not wish to share the data. **Data on a resident belongs to the resident in question**; he or she is the owner and decides what happens to the data. Data in the digital infrastructure **that is gathered in and about public space is public property**.

A trustframework organises the access to your data and your devices as to
ALLOW YOU TO SHARE THOSE WITH OTHERS UNDER YOUR CONDITIONS.

A Trust Framework organises conditional access to data and devices of governments, organisations and civilians, so that
YOU CAN REALIZE INNOVATIVE, JOINT & VALUABLE SERVICES

Trust Frameworks

Working towards an available, accessible, safe & futureproof digital infrastructure with (semi)public partners

IoT-register

.....

@bobkronenburg

Trust
Infra

Bouwstenen

Identificatie
Authenticatie

Publieke Stelsels & Private
identificatie / Validatie

Attributie
(decentraal)

Oplossingen om afgeleide
ID of data te delen in
waarheid-vorm (bijv. ja 18+)

Toestemmingen
Mandaat

Mechanismen om
toestemmingen vast te
leggen

Data
Opslag

(de)centrale faciliteiten om
data/attributen/
toestemmingen op te slaan

Controle &
Log functies

Cryptografische oplossingen
om individuele data en
handelingen te volgen.

Privacy & Security

Separation of Concern &
Least Privileged data

Connectiviteit

API / Service Library Bus /
SDK

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WorldViews

The Dutch were a secret U.S. ally in war against Russian hackers, local media reveal

By **Rick Noack** January 26 [Email the author](#)

How Trump fought the intelligence on Russia and left an election threat unchecked

U.S. sites may be returned to Russia

Obama ordered Md., N.Y. compounds vacated over election interference

BY KAREN DEYOUNG
AND ADAM ENTIGUS

▶ 12:09

The Trump administration is now heading back to vacating diplomatic compounds, near New York City and on Maryland's Eastern Shore.

The Washington Post examines how, nearly a year into his presidency, Trump continues to reject

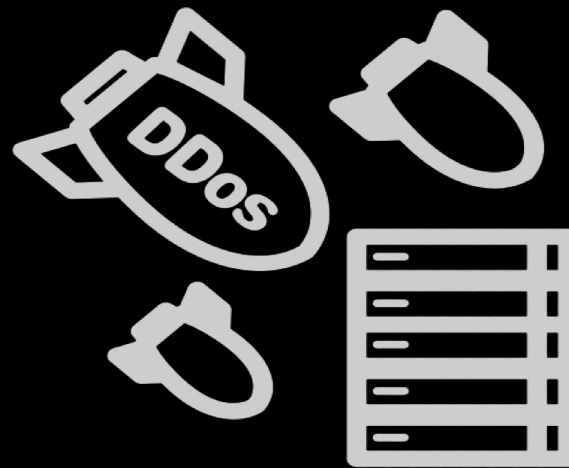


CRIME TECHNOLOGY
**TEEN SUSPECTED
FINANCIAL SER**
By Janene Pieters on February 7, 2018

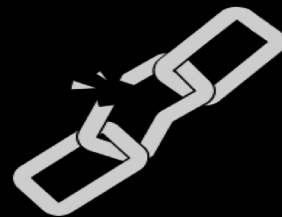


getroffen

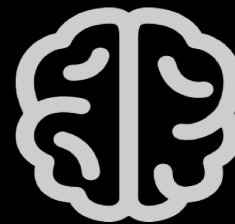
NoMoreDDoS



facilitators



**Alternative
Interventions**



**Improve
Information position**



**Innovate
Investigation techniques**

Notice



THIS SITE HAS BEEN SEIZED

The domain name Webstresser.org has been seized by the United States Department of Defense, Defense Criminal Investigative Service, Cyber Field Office in accordance with a warrant issued by the United States District Court for the Eastern District of Virginia. This domain name has been seized in conjunction with Operation Power OFF

Operation Power OFF is a coordinated effort by law enforcement agencies from The Netherlands, United Kingdom, Serbia, Croatia, Spain, Italy, Germany, Australia, Hong Kong, Canada and the United States of America, in cooperation with Europol.

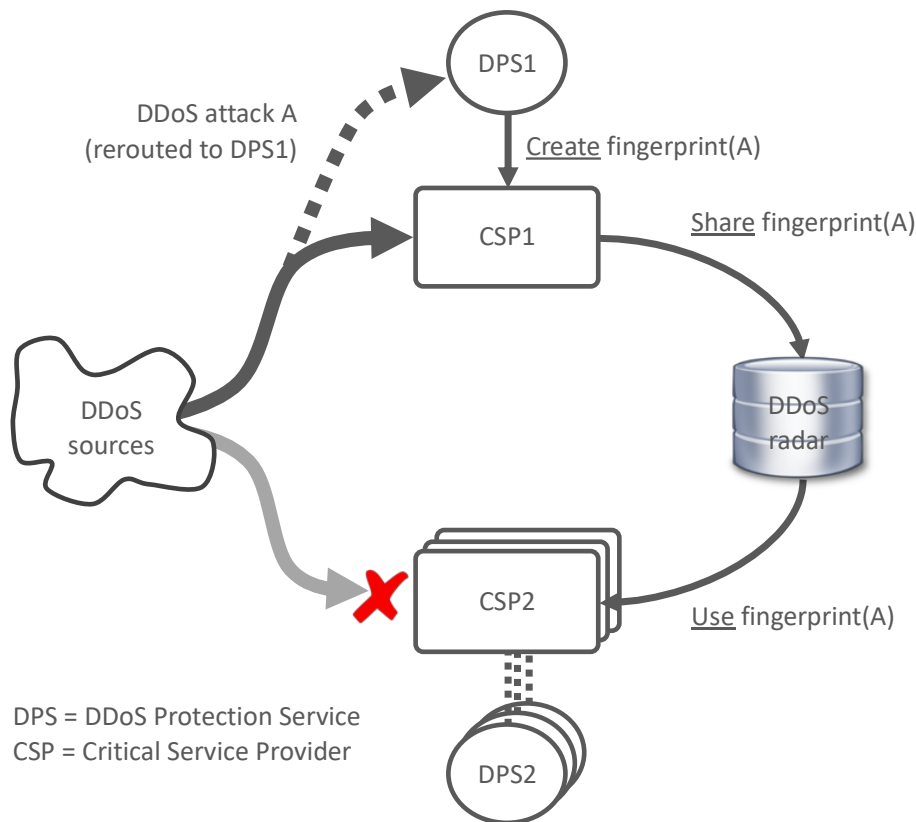
The operation is aimed at the takedown of the illegal DDoS-for-hire-service Webstresser.org.



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New: DDoS information sharing in NL



- Improve information position of Dutch critical service providers by continually and automatically sharing fingerprints of DDoS sources
- Information provisioning layer that extends existing DDoS protection services that Dutch critical service providers use and does not replace them
- Improve attribution of perpetrators and booter operators, allowing for better prosecution and increased deterrent effects
- Open initiative to all critical providers in NL (Internet, financial, energy, water, etc.)
- Complements existing anti-DDoS collaborations in NL, such as DCB, NaWas, and NoMoreDDoS

Partners: Agentschap Telecom, AMS-IX, Belastingdienst, Betaalvereniging, De Nederlandsche Bank, De Volksbank, Ministerie van Defensie, Stichting Digitale Infrastructuur Nederland (DINL), Ministerie van Economische Zaken & Klimaat, The Hague Centre for Strategic Studies, ING, KPN, Logius, Stichting Nationale Beheersorganisatie Internet Providers (NBIP), NCSC, Nederland ICT, NL-IX, No More DDoS, Rabobank, Schuberg/Philis, SIDN, SURFnet, Tele2, Utwente, VNO-NCW, Vodafone/Ziggo

Discussion

- Collaboration / sharing responsibility for digital public space (infrastructure)
- Collaboration, shared responsibility in regard to Cybercrime
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