asvin

# Cybersecurity in the Software Supply Chain

Presentation by Mirko Ross, asvin GmbH, Germany

CYBERSECURITY™
MADE IN EUROPE

# Software Supply Chain Under Fire

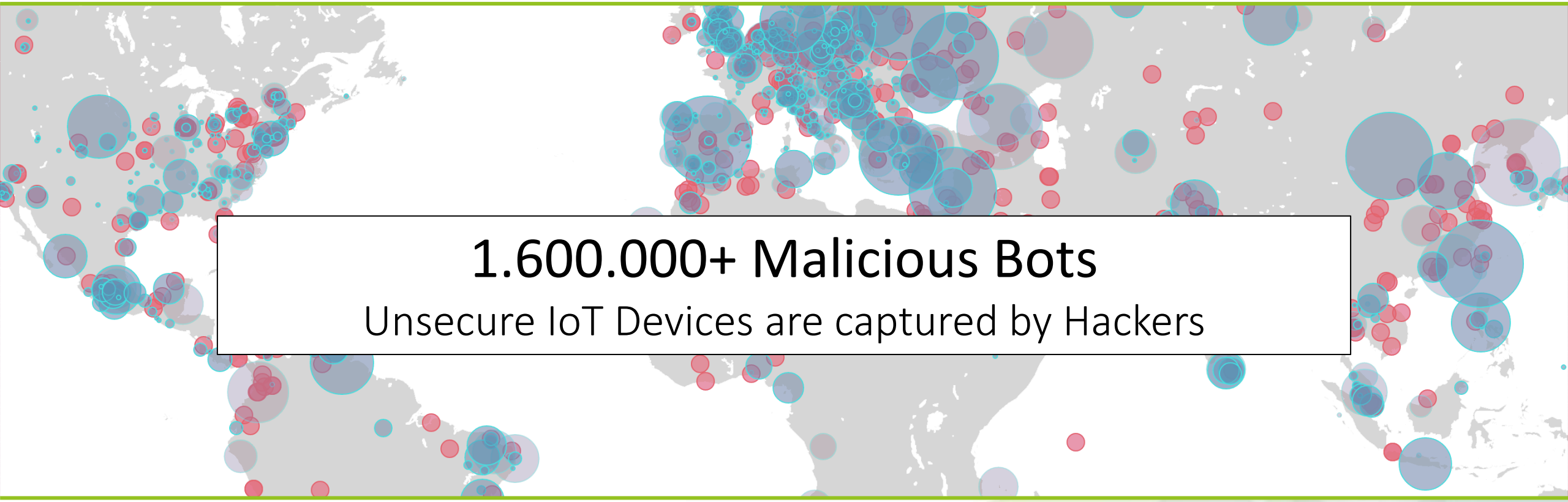
Attacks on Software Supply Chains raised 650% in 2021

Log4J time / HR consuming risk mitigation (up to 8 Weeks)

Regulators increasing requirements to implement security

# Dealing with Software Supply Chain Security Risks Today….

# Maintaining the IoT is a Mess



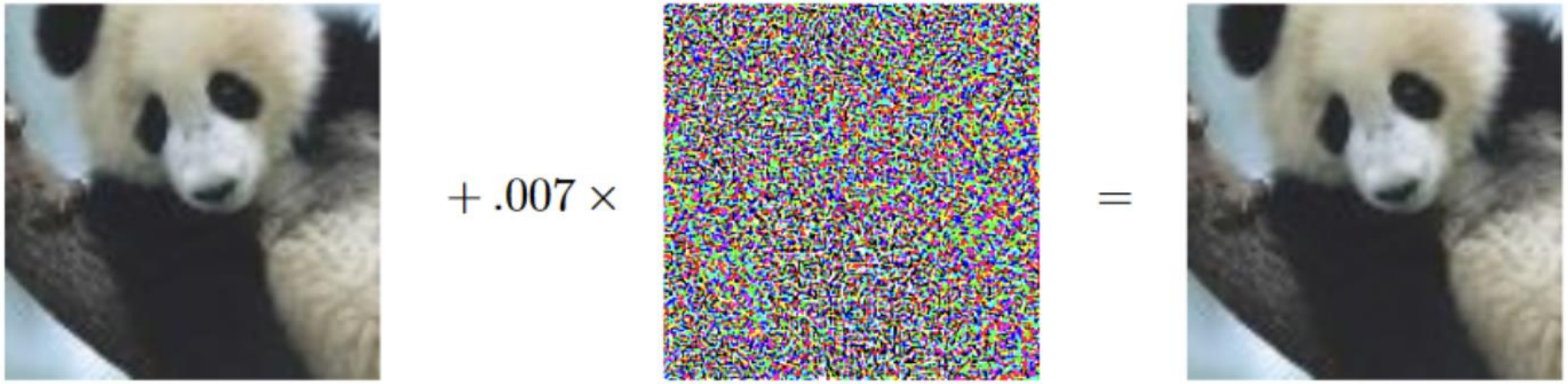
**1.600.000+ Malicious Bots**

Unsecure IoT Devices are captured by Hackers

# The Reality....

# Next Level: Attack AI and Data Supply Chains

asvin




**Input data (image information with pixels) contains too many parameters and thus too many decision options for classification)**

https://github.com/bethgelab/foolbox

GOODFELLOW 2014: https://arxiv.org/abs/1412.6572

# IoT manufactures operators forced towards Security by Regulators

**Executive Order National Cybersecurity** (2021)

Software Bill of Materials, IoT Security Implementation

**EU Cybersecurity Act** (2019), AI ACT, DATA ACT, RESSILLIENCE ACT (in preparation)

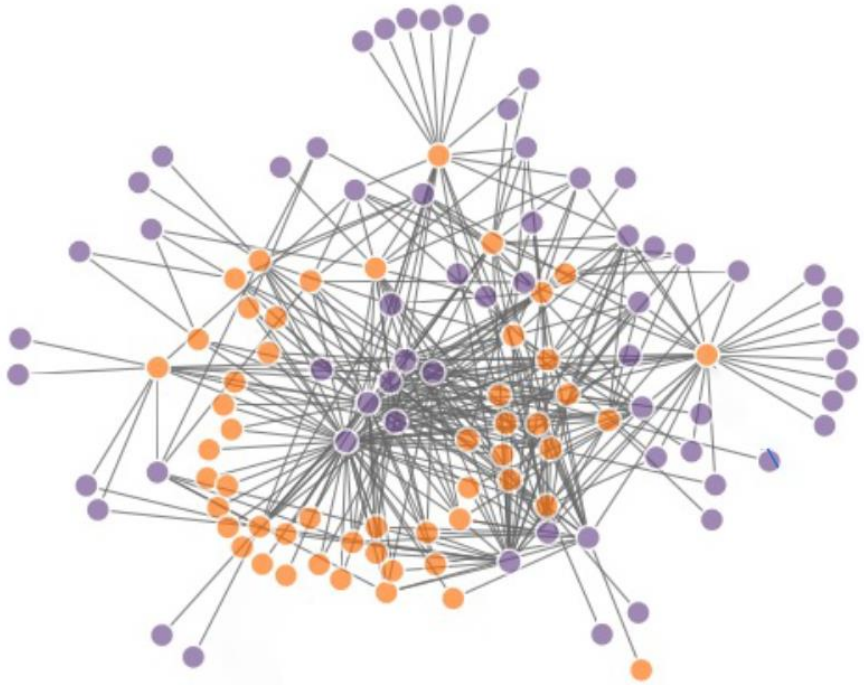
**UN ECE** (2021)

WP. 29 Cybersecurity for connected Vehicles

# Challenge: Discover Critical Assets & Suppliers that Really Matter

asvin

Advanced Graph Analytics to identify software supply chain risks and improve risk mitigation



**asvin provides** software supply chain risk analytics based on novel MIT technology:

- **Identify software components** exposed to high cybersecurity risks due supplier relationships
- **Pick suppliers being high valuable targets** for supply chain attacks
- **Supply Chain Attack path detection** for risk mitigation

# Team

**Mirko Ross** (CEO)
Cyber Security & IoT Expert
for EU and ENISA

**Sven Rahlfs** (COO)
20+y experience
Business development

**Rohit Bohara** (CTO)
7+y embedded &
Blockchain development

**Rob van Kranenburg** (CIO)
20+y IoT experience
Founder IoT Council

**Raphael Yahalm** (CSSO)
MIT Boston
Supply Chain Security Expert

**Our Advisors**

**Dr. Elmar Degenhart**
Former Chairman
CONTINENTAL AG

**Dr. Klaus Entenmann**
Former Chairman
DAIMLER Financial Service AG

**Christian Senger**
Commercial Vehicles
Volkswagen AG

**Clarissa Haller**
Senior Communication Advisor
Dynamics Group

# Give Supply Chain Attackers not a Chance.

# asvin


**Mirko Ross**
CEO
m.ross@asvin.io

**Asvin GmbH**
Stuttgart, Germany
www.asvin.io

contact@asvin.io


CYBER SECURITY EXCELLENCE AWARDS ★ WINNER ★ 2022

#1 German Startup Cup 2020 Category IT Secutity

UP20@it-sa asvin Winner of 2020 it-sa Award Best Cybersecurity Startup

Allianz für Cyber-Sicherheit

مؤسسة دبي للمستقبل Dubai Future Foundation

SPACEUP SELECTED STARTUP