We are the First and
Last Line of Cyber
Defence

Cyber
Defence
Fortified™

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Securing Your Business

BitCyber Presents:
Invisiron Channel Webinar

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Agenda

Time	Topic	Speaker
3:00pm	Welcome	Philip Ng, CEO, BitCyber
3:10pm	Cyber Defence Against Modern Day Attacks	Dr Johan Olstenius, CTO, Invisiron
3:45pm	Q & A	
3:55pm	Launch SPIFF and Closing	Philip Ng
4:00pm	Thanks for joining the Webinar	

Defence against modern cyber attacks

Presented by:

Dr. Johan Olstenius
Chief Technology Officer

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Billions of dollars are spent annually on Cyber Defence products. How come this has **not even made a small dent** in the successful cyber attack statistics?

BILLION DOLLAR QUESTION

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Many Cyber Defence products sold and used today in the market are OBSOLETE AND NOT EFFECTIVE against modern cyber attacks!!

This is a hacker!

Most cyber attacks

- are **fully automated**.

- finds the victims fully automatic.

- takes **less than one second** to complete.

- Can occur **any time** and any day, including big holidays.

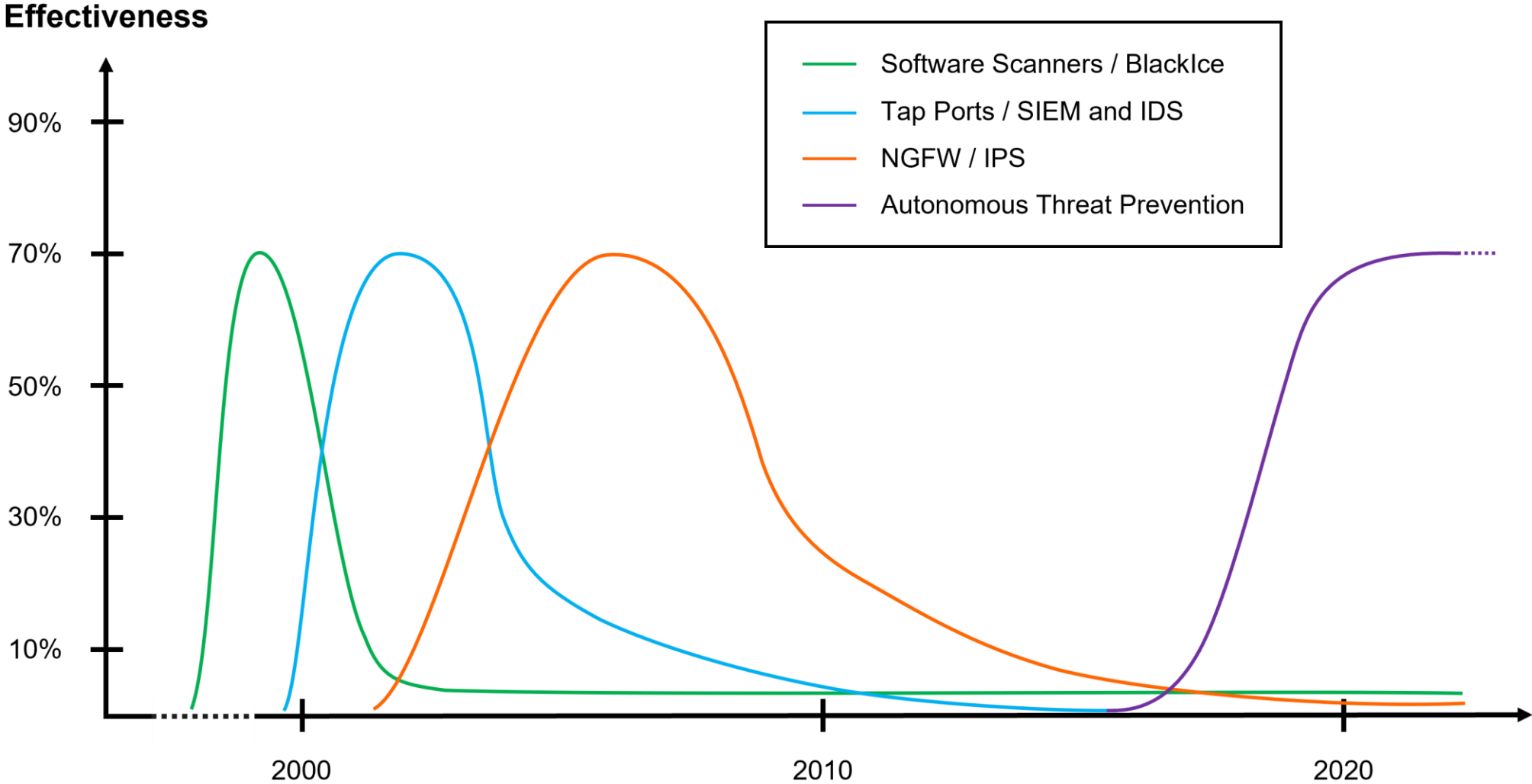Example: A typical ransomware attack takes **less than one second** to complete.

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Our Modern Cyber Defense Platforms

sentry S-1000

Boasts a compact form-factor designed for small networks.
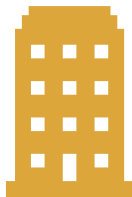
Small Enterprises

sentry S-4000

Optimised for medium-sized networks.

Medium Enterprises

sentry S-6000

Built for large networks and data centres. Supports up to 2 x 10GB ports.

Large Enterprises & Data Center

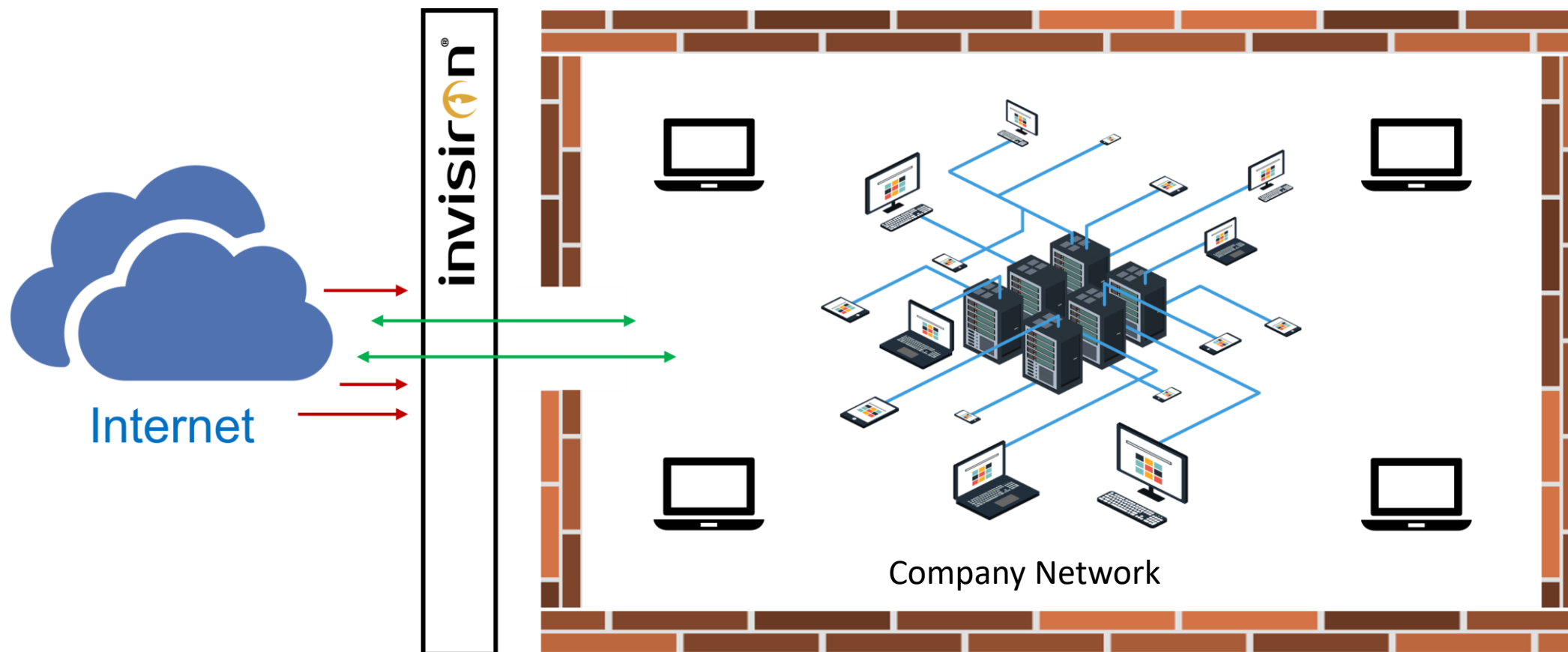**Invisiron Cyber Defense Solution is catered for businesses of all sizes**

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The concept of operating in-line and in stealth mode

Internet

LAN

Dropped Packets

Network Packets are monitored in BOTH directions

Invisiron – A fence with a very strong gate.

Company Network

Internet

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Invisiron – Protecting remote workers.

Internet

Corporate Network

VPN Tunnel

VPN Tunnel

Hotel User

Home User

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Invisiron – The Cloud

The "cloud"

WWW

Internet

Company Network
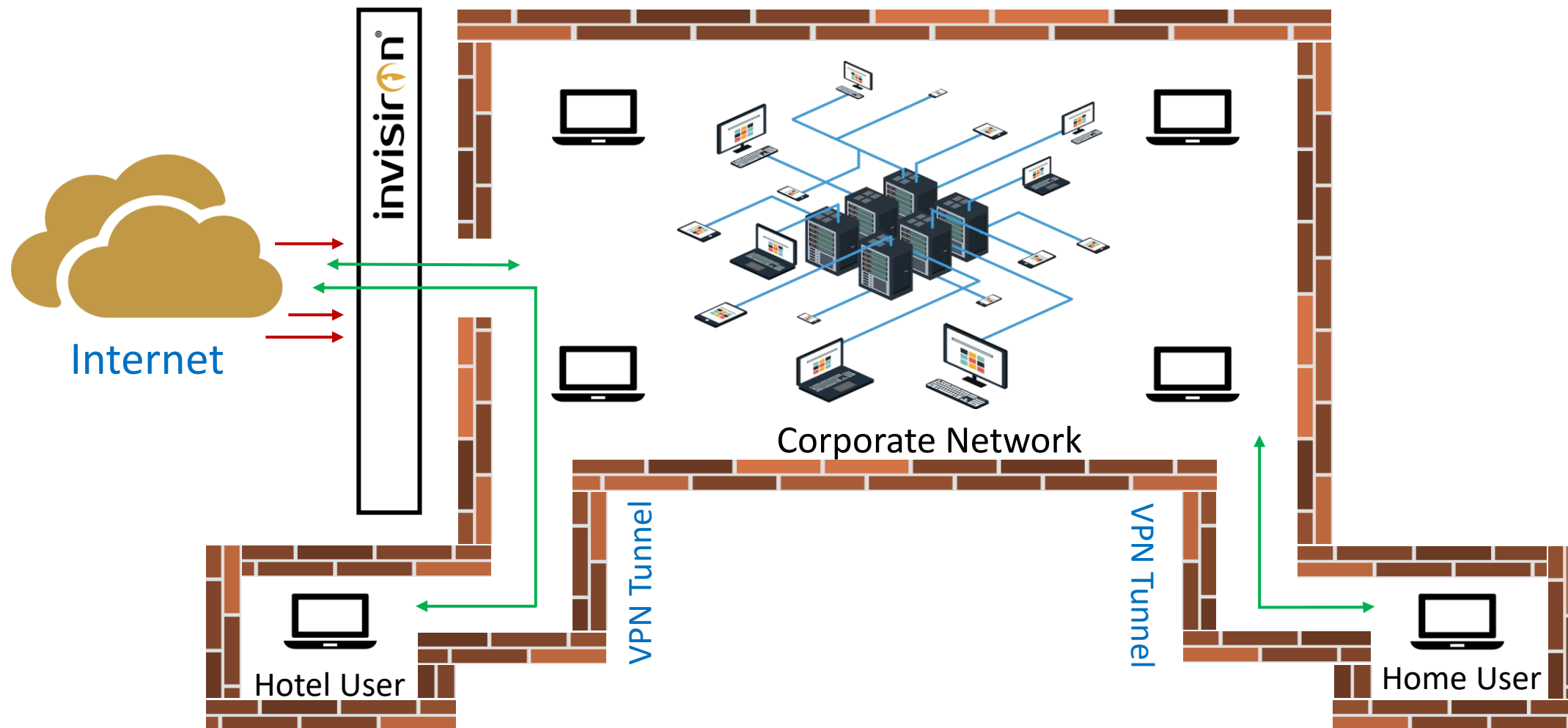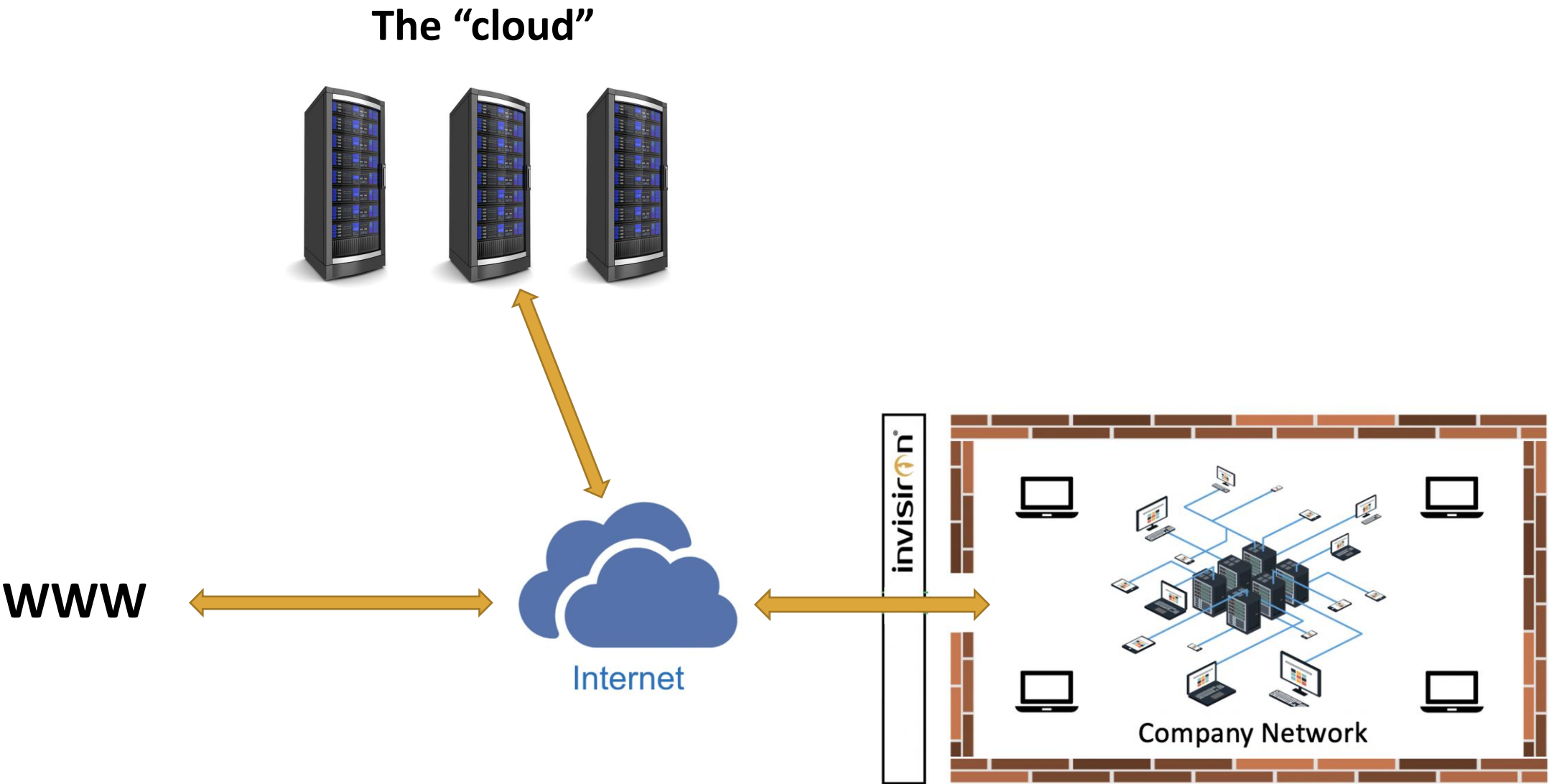
Invisiron – Plug-and-Play.

- Simple 10 minute deployment.

- Fully automatic downloads of Cyber Threat Intelligence.

- Automatic (Autonomous) threat detection and mitigation.

- Operates in **stealth mode**.

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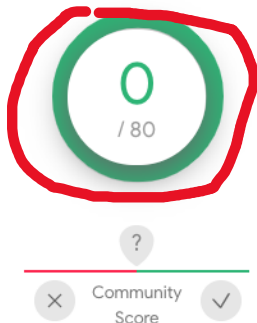POWERED

Cyber Threat Intelligence (CTI)

Examples:

Two IP addresses attacking one of our networks in Singapore on June 28, 2022.

101.109.247.175   and   101.109.237.171

CTI Collection Infrastructure

Lookup on virustotal.com website of 101.109.247.175

ⓘ **No interesting sightings for this IP address**

101.109.247.175 (101.109.0.0/16)

AS 23969 (TOT Public Company Limited)

TH

DETECTION	DETAILS	COMMUNITY		
ADMINUSLabs	✓ Clean		AegisLab WebGuard	✓ Clean
AICC (MONITORAPP)	✓ Clean		AlienVault	✓ Clean
alphaMountain.ai	✓ Clean		Antiy-AVL	✓ Clean
Armis	✓ Clean		AutoShun	✓ Clean
Avira (no cloud)	✓ Clean		BADWARE.INFO	✓ Clean
Baidu-International	✓ Clean		BitDefender	✓ Clean
Blueliv	✓ Clean		Certego	✓ Clean
CINS Army	✓ Clean		CLEAN MX	✓ Clean
CMC Threat Intelligence	✓ Clean		Comodo Valkyrie Verdict	✓ Clean

Region Specific Invisiron CTI Collection Infrastructure
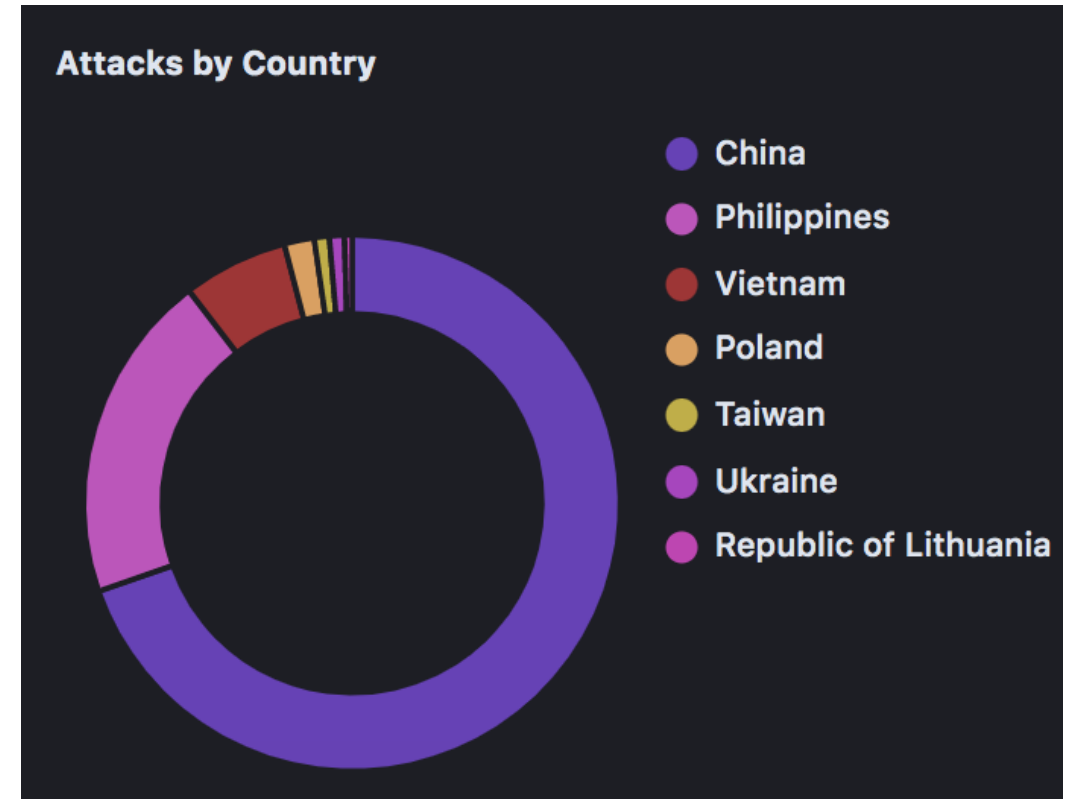
Some attackers operate locally to avoid detection. To counter this Invisiron has built a network of honeypots to collect regional CTI.

- Singapore
- Thailand
- Malaysia
- Philippines
- Indonesia
- Australia

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Attack sources on Singaporean honeypots

Attacks on Singapore originating from other Asian countries are very common.

Attacks by Country

- China
- Philippines
- Vietnam
- Poland
- Taiwan
- Ukraine
- Republic of Lithuania

(July 5, 2022)

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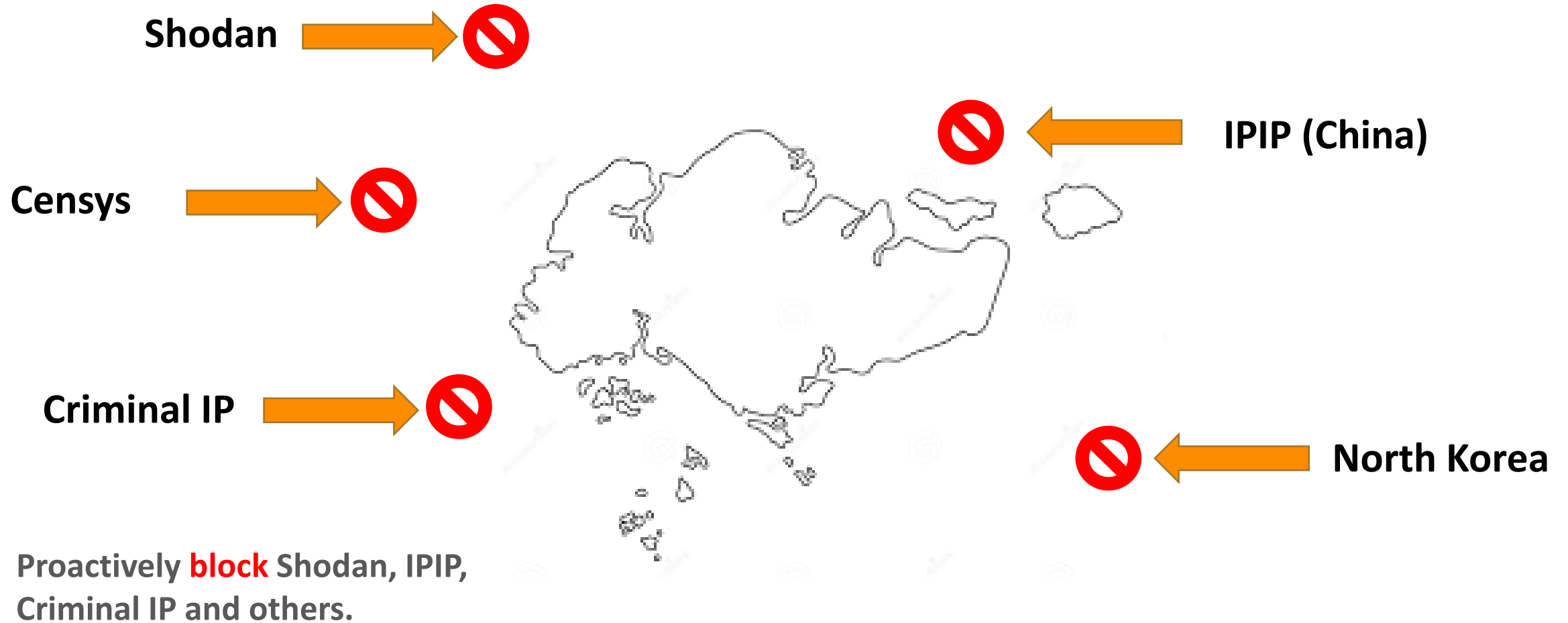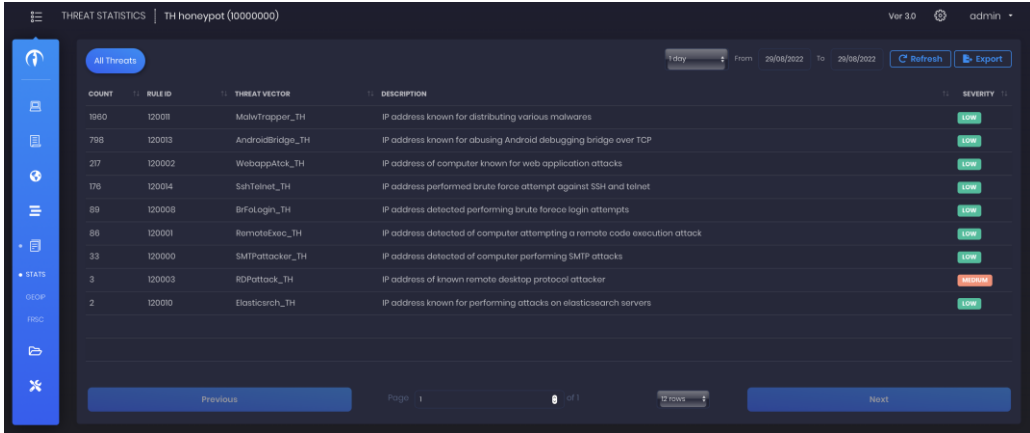Securing Your Business
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Shodan (www.shodan.io)

Invisiron believes blocking Shodan and other similar Internet scanners is **increasingly important** in todays cyber defence.

Invisiron counter-tracks Shodan and other scanners and filtrates out their servers IP addresses and inserts these into a blocklist.

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Proactive Blocking of Advanced Scanning Activities

Shodan

Censys

Criminal IP

IPIP (China)

North Korea

Proactively block Shodan, IPIP, Criminal IP and others.

Threat Commander

A remote monitoring and analytics software.
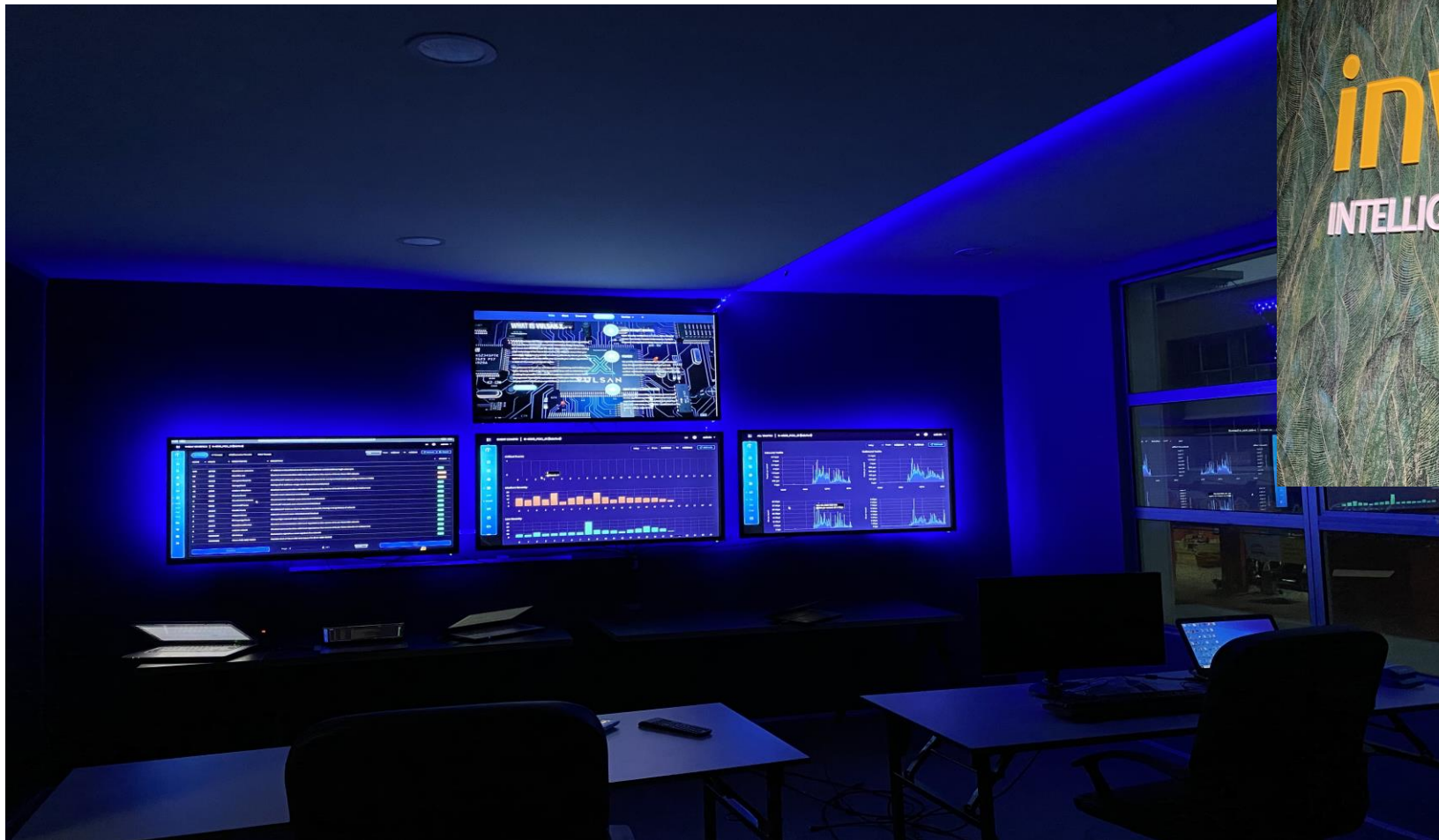
Threat Commander – Remote Monitoring and Forensic Analysis

Threat Commander provides a complete monitoring capability of Invisiron's security platforms
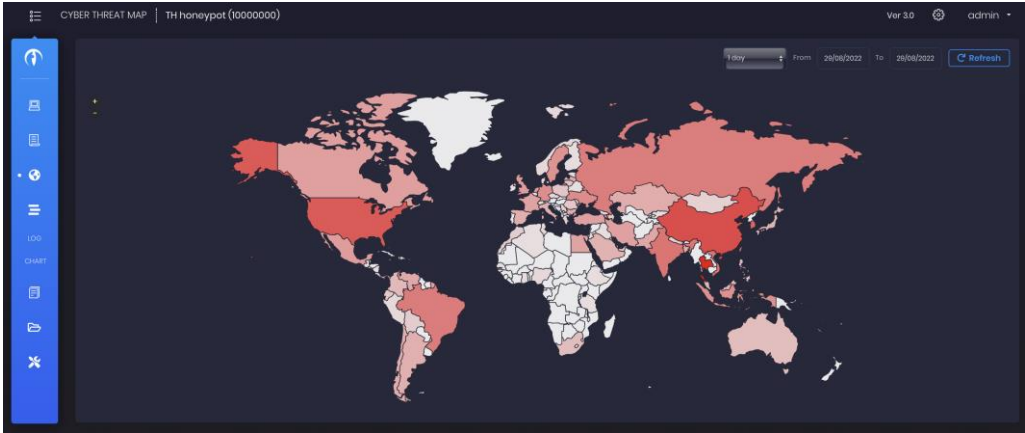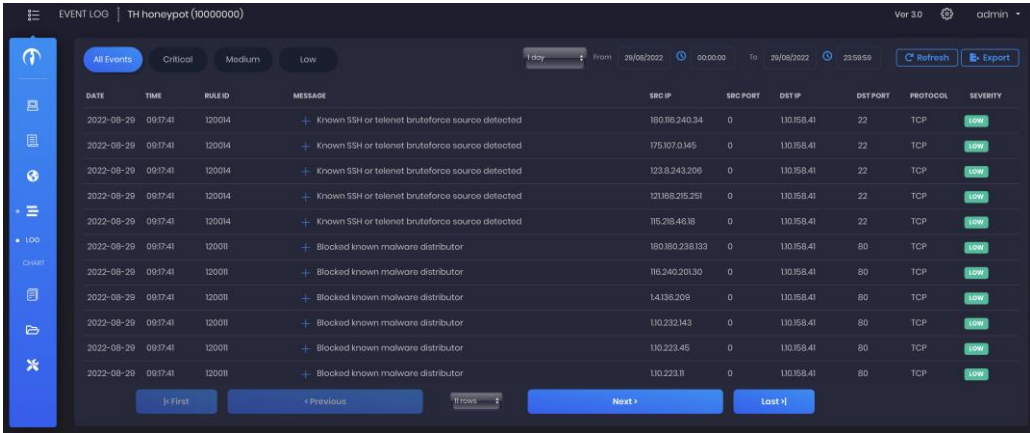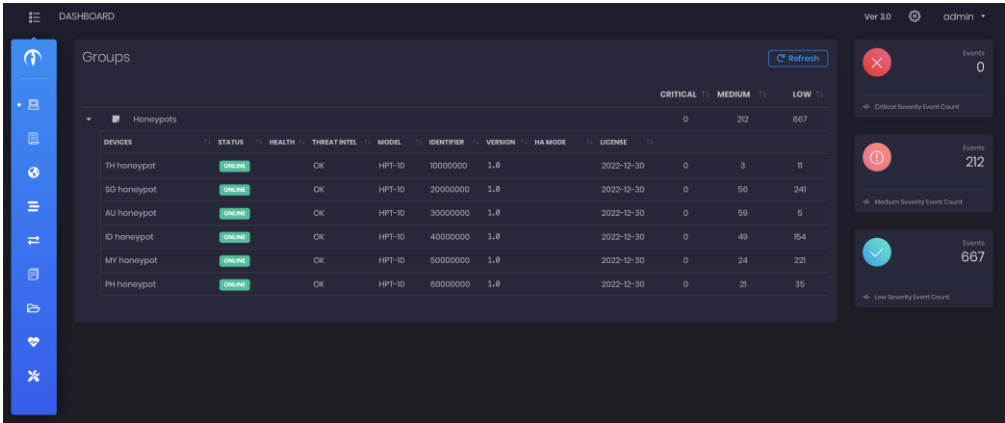
Security Operation Center

Frequently Asked Question Examples.

Common questions and their answers

Question: How many computers can your S-x000 model protect?

Answer: All Invisiron models operate at full Ethernet bandwidth. Therefore there are no limitations to how many computers a device can protect.

Question: Since the Invisiron device is installed inline between the Internet gateway and our switch, how big is the performance degradation caused by the device?

Answer: All Invisiron models operate at full Ethernet bandwidth. Therefore there is no noticeable performance degradation to the network or its Internet connection.

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Frequently Asked Question Examples.

Common questions and their answers

Question: What are the strongest feature or benefits with using Invisiron's cyber defence?

Answer 1: Invisiron uses cyber threat intelligence that is collected in Asia that complements the intelligence we buy from the USA. This provides a VERY strong defence for Asian networks. This allows the Invisiron devices to detect and mitigate many local attacks that would otherwise not be detectable.

Answer 2: Invisiron's devices are 100% fully automatic. No need for security engineers to manage the devices. They are true plug & play devices. Easy to install and deploy.

Answer 3: Invisiron's devices operate in stealth mode. This makes them invisible to any attackers. As a result, a hacker can not attack or penetrate an Invisiron security device.

Best Cyber Security Product of the Year - 2021

AWARD : 2021 –
BEST INNOVATIVE CYBER SECURITY
PRODUCT OF THE YEAR BY CYBER
SECURITY MALAYSIA

Invisiron – Govware

Thank you

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Thank you.

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