



## **CYBERWATCH FINLAND**

**SHAPING DEPENDABLE CYBER SECURITY  
WITH A COMPREHENSIVE APPROACH**

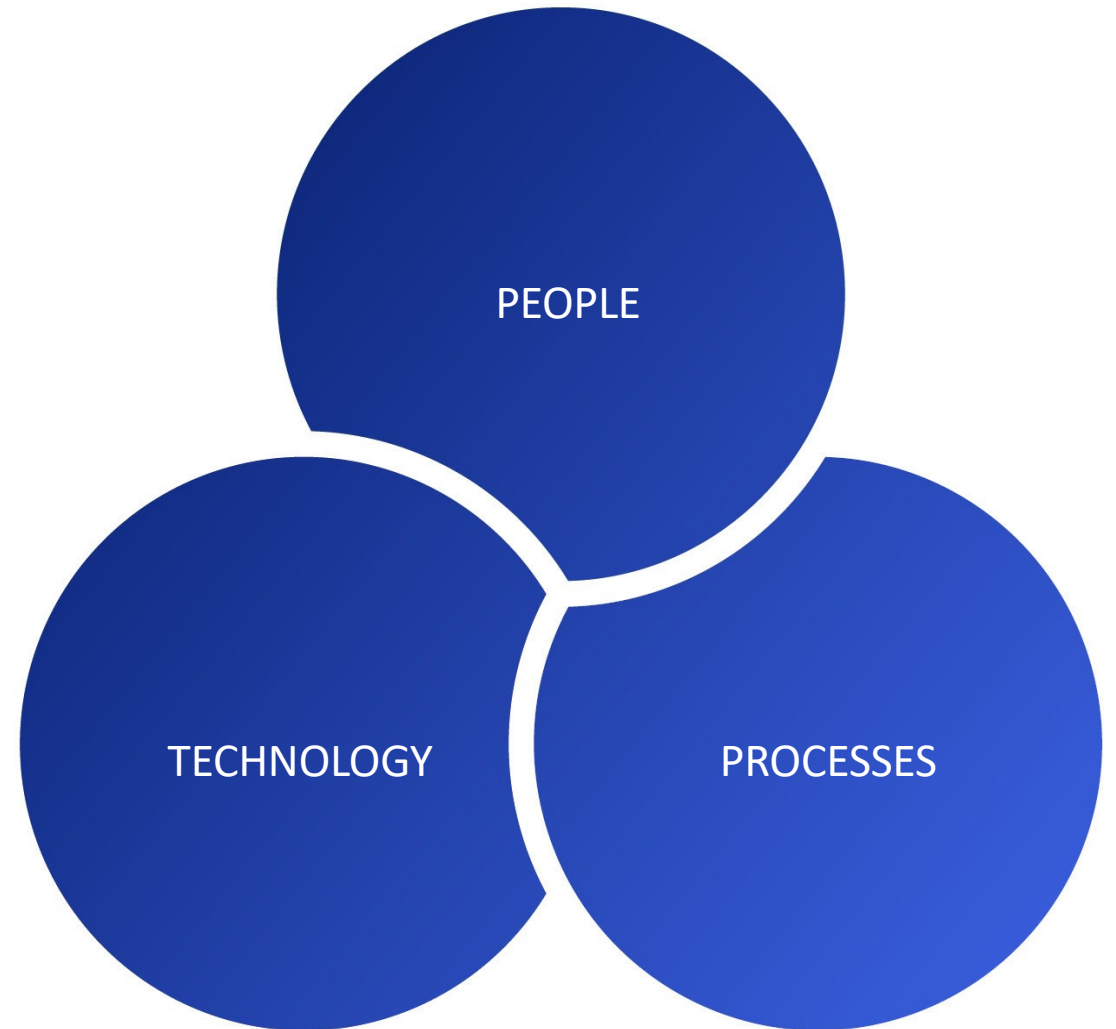
# CYBERWATCH FINLAND - STRATEGIC LEADERSHIP FOR CYBER SECURITY

Cyberwatch Finland is a Strategic Powerhouse with unique capabilities to build strategic cyber security awareness roadmaps and innovative solutions for companies and governmental organizations.

We are a trusted partner with deep insights on megatrends and challenges in the cyberworld and fast evolving era of hybrid warfare.

We are partner with organizations to build unique and comprehensive cyber security approaches - introducing into account the human factor, latest innovative technologies and the new way of working.

LEADERSHIP



# Cyber warfare – War in Europe

Cyber warfare is typically defined as an act of war using internet-enabled technology to perform an attack on a nation's digital infrastructure (civilian or military). Cyber warfare per se, requires a state of war between states, with cyber operations being but a part of other military operations (air, land, naval, space).



War is always widespread and encompasses all forms of warfare. Hence, cyber warfare is but one form of waging war, used alongside kinetic attacks.

# CYBER SECURITY LEADERSHIP

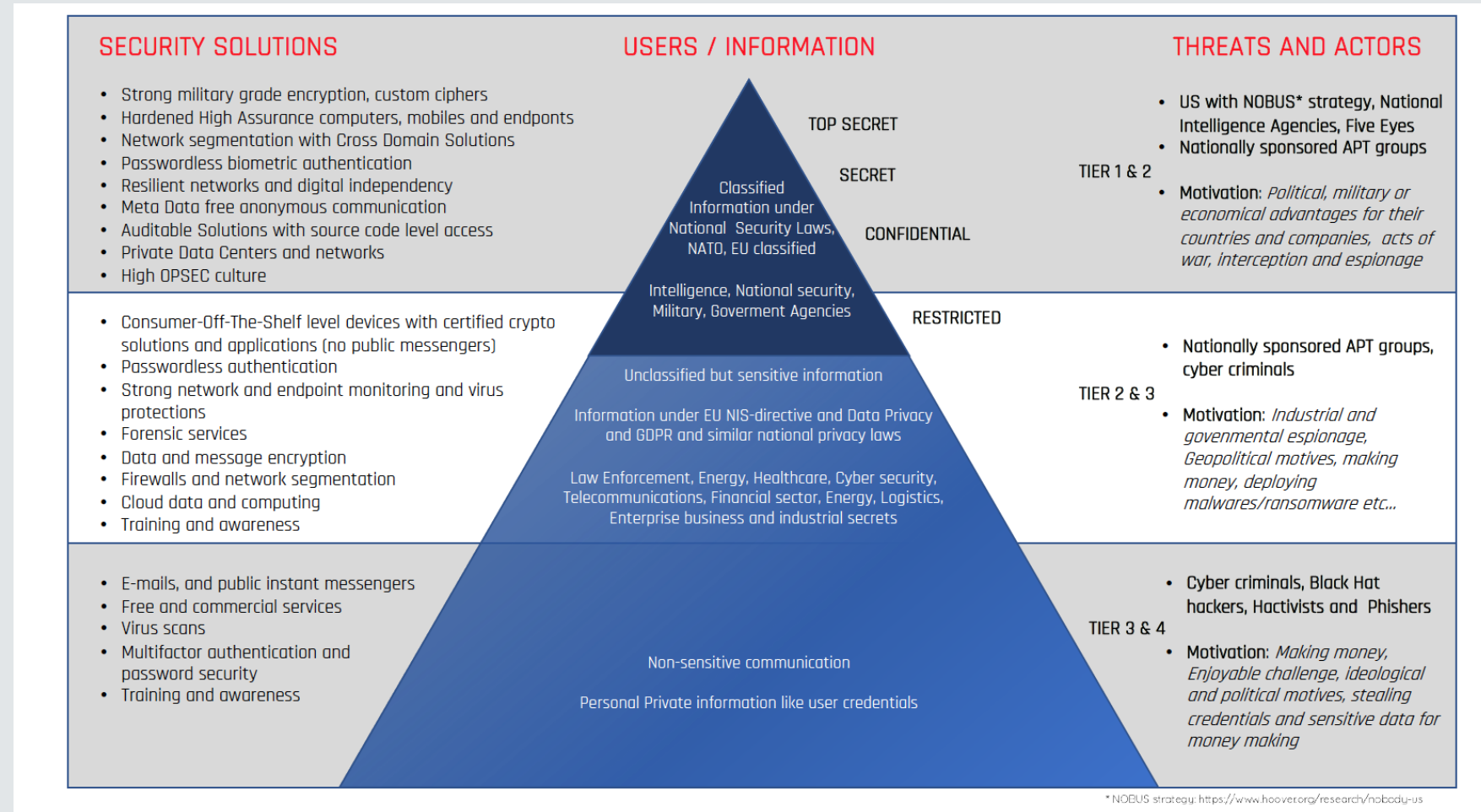
- Comprehensive and reliable Cyber Security Awareness and threat intelligence
- Adequate capacity for Cyber Risk Assessment and management
- Agile Cyber preparedness and continuity plan
- Well-trained Cyber crisis management competence
- Superiority Cyber competence at the human sector
- Superiority Cyber technologies – smart choices
- Adequate Cyber budget
- Agile and Comprehensive Cyber culture





# National cyber security and enterprise cyber security landscape

- + We create protection to the highest level for national security needs
- + Also we can help to create national cyber security strategy and Center of Excellence which can serve many organisations



\* NOBUS strategy: <https://www.hoover.org/research/nobody-us>

The password problem

81% of successful cyber  
attacks are due to stolen or  
lost password

(Source: Verizon Data Breach Investigation 2020)

**Cyberwatch**



# CYBER THREAT INTELLIGENCE

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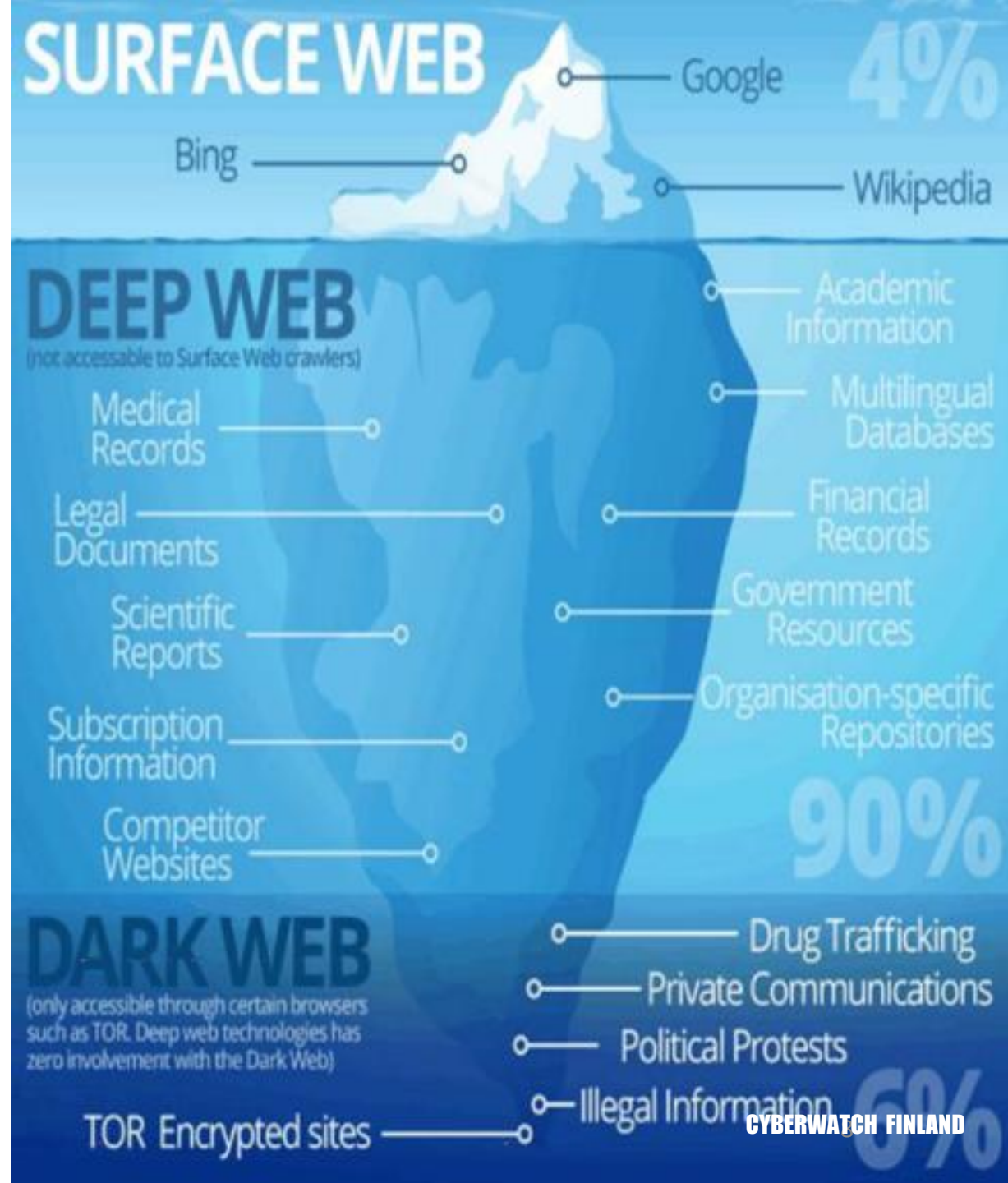
# WHAT ARE DARK WEB AND DEEP WEB?

## THE UN-INDEXED PART OF INTERNET

Publicly available search engines like Google cover only a certain portion of the internet. This is the visible part that we call the surface web. However, where the surface web ends, the deep web begins. The deep web is everything you can access with your browser that is not indexed by search engines. This could be your e-mail accounts, intranet, data leakage platforms, some discussion forums, private blogs, etc.

## THE DARK WEB AND TECHNICAL ANONYMITY

The dark web refers to a technology that makes surfing sessions more private – technically anonymous. These technologies include TOR and I2P. For instance, in TOR, there are 7 layers of encryption before the packet reaches the desired host. This is why nobody knows who is surfing and where the servers are.





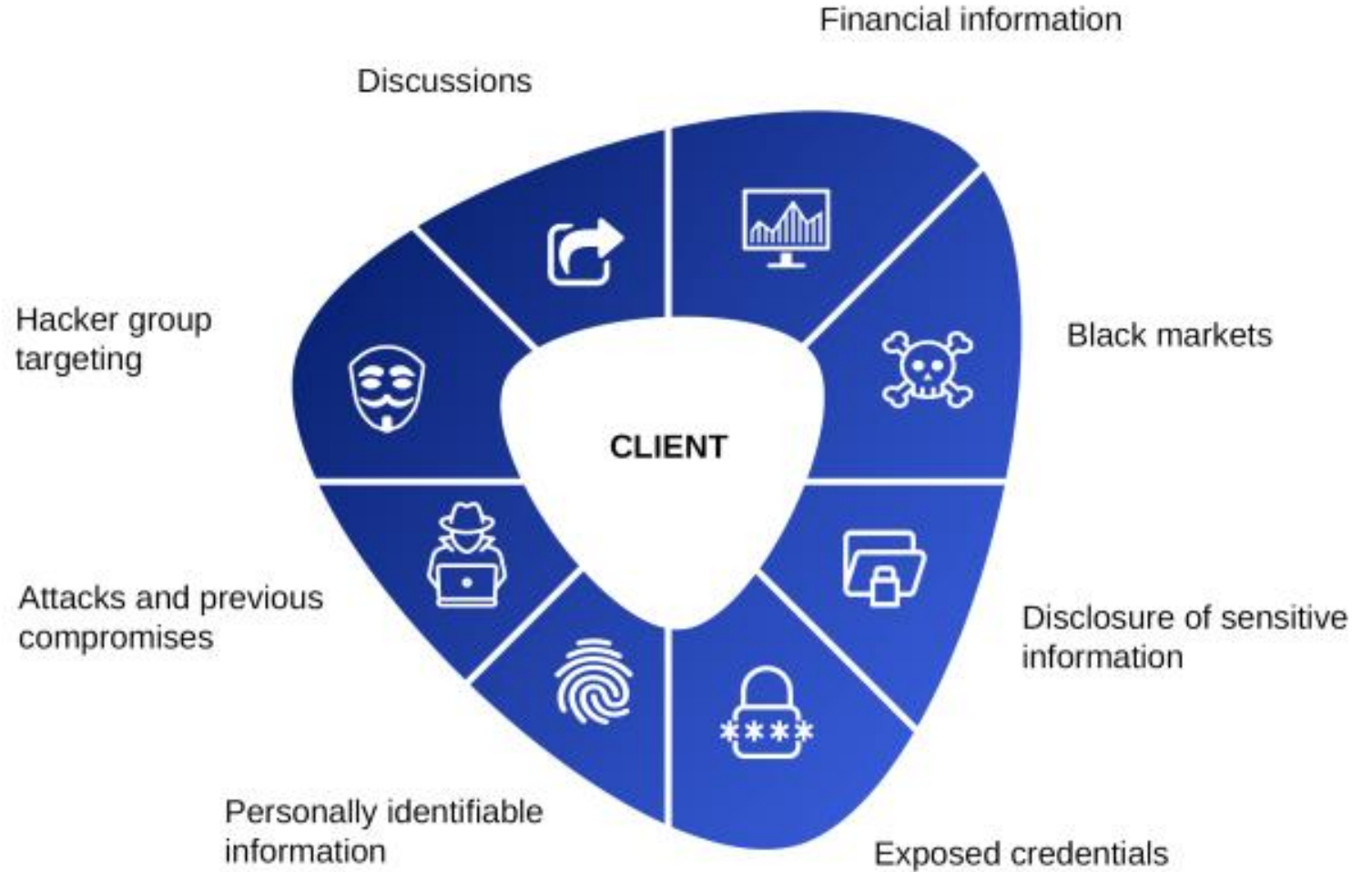
# THE IMPACT OF CYBER EXPOSURE

The impact of cyber exposure can be classified into eight categories.

Cyber exposure is defined as vulnerabilities that arise when we use computer or other digital devices together with network technology.

Too often, the focus is solely on technical issues, and exposures from the use of social media or the Internet of Things (IoT) are ignored.

**Every leaked information is critical.**





# **OUR APPROACH TO SITUATIONAL AWARENESS**

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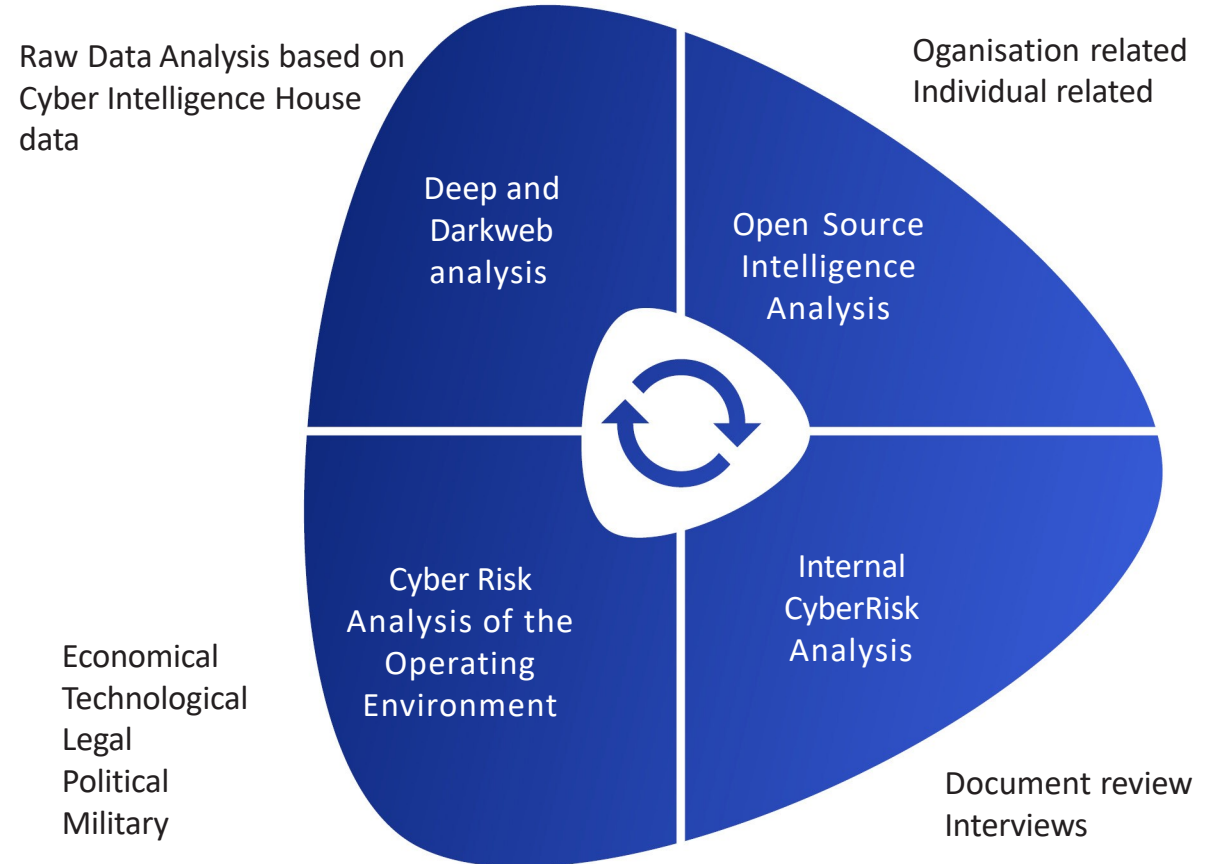
# COMPREHENSIVE SITUATIONAL AWARENESS

DARKSOC™ is a modular service developed by Cyberwatch Finland that provides organisation's current cyber security landscape, finds out potential problem areas to understand your digital footprint. It allows knowhow to react to the red flags and early warnings.

It speeds up responsiveness and allows you to make operational and strategic decisions at the right time.

Data is collected from a variety of sources. From the data collected and validated, analysts produce a report that quickly shows the significance and value of the findings from the perspective of your own organization.

For the extraction of raw data **DARKSOC™** -as a service uses Cyber Intelligence House 's back-end systems and servers located around the globe collecting data at nine gigabits per second in real time.



# WHAT ARE THE BENEFITS OF DARKSOC™?

## DARKSOC™ as a Service

- Increases cyber intelligence capabilities
- Anticipates constantly changing cyberworld (early warnings)
- Complements the company's cyber maturity
- Serves as a forensic investigation tool
- Supports organisational strategic decision-making
- Complements the strategic cyber situational awareness
- Discovers vulnerabilities and weaknesses
- Facilitates the cyber strategy process

→ **BETTER CYBER SECURITY CAPABILITY AND RESILIENCE**

**DARKSOC™ CREATES BETTER CYBER SECURITY CAPABILITIES AND RESILIENCE.**





# WHAT YOU GET - REPORTING

The report is a written analysis based on observations made from the data.

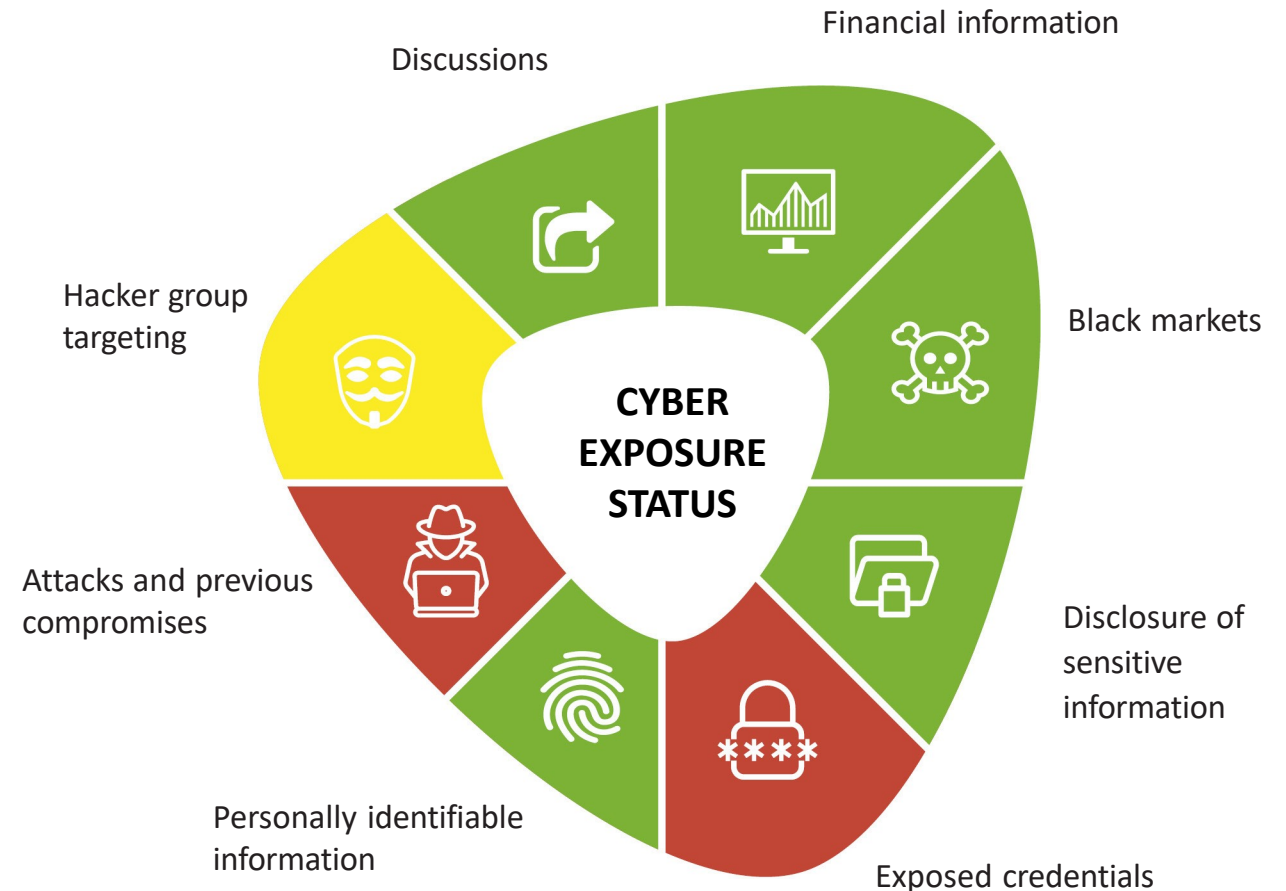
The report is divided into two parts: an executive summary for management and detailed findings.

The executive summary highlights the criticality and significance of the key findings by using priority colour effects.

In addition, the summary includes the recommendations for both immediate remediate actions and improvements from strategic point of view.

The detailed findings go through each of the 8 categories at a more detailed level. In addition, the report includes recommendations for operational and strategic follow-up.

The report will be reviewed with the client.



## **OUR STRENGTH IS THE UNIQUE COMBINATION OF STRATEGIC MANAGEMENT SKILLS AND CYBER EXPERTISE**

Unique strategic-level international expertise and understanding is based on an extensive network of experts and the utilisation of new innovations and artificial intelligence-based analysis methods.

Our experts have the ability to interpret and present complex cyber world phenomena and developments in an easy-to-understand format, utilising the latest technology, easily adaptable methods, and various media formats.

We offer easily approachable and understandable entities, we do not mystify or intimidate, but we improve our customers' daily lives by increasing awareness.

We rely on the model of continuous improvement and boldly look for new business models.

We are always one step ahead, taking into account cyber world trends, phenomena, threats and opportunities, analysing their impact on organisation's' operating models at both the strategic and operational levels.



# OUR SERVICES

**STRATEGIES,  
RISK  
ANALYSIS  
AND  
ROADMAPS**

**FACILITATION  
OF CYBER  
SECURITY  
LEADERSHIP**

**SITUATIONAL  
AWARENESS  
SERVICES**  
TAILORED REVIEWS AND  
SPECIAL REPORTS

**TRAINING,  
SEMINARS,  
GAMES AND  
WORKSHOPS**

**CYBERWATCH  
FORENSIC-  
SERVICES**

**DARKSOC AS A  
SERVICE**

**INNOVATIVE  
TECHNOLOGIES**





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