Achieving NIS2 compliancy with Fortinet

Patrick Commers Fortinet

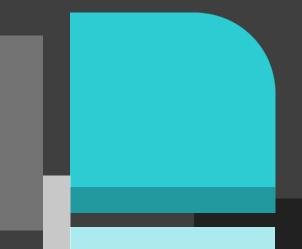
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Patrick Commers – Fortinet BDM Cybersec Platforms & SASE 05/12/2023





Who is impacted by NIS 2 ?

FROM NIS TO NIS2

Transport

Digital service

Digital infrastructure

providers

[2

<u>رون</u> ج **NIS2 - Added industries**

Space

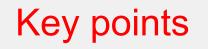
Public administration

Postal and courier

services

РЩ Food

Ø



Exception rules

- Revenue > €10M
- 50 Employees
- Belgium : Expected growth in NIS 2 entities : from 100 (NIS 1) to 2500 (NIS 2)

New Naming

- Essential Entities
- Important Entities

Proportionality

- · Controls more strict for Essential
- Sanctions bigger for Essentiel
- The **governing bodies or executives** must approve cybersecurity risk management measures, and oversee their implementation, and may be held **liable** for any breaches.

Minimal Security Mesures

- Organisation
- Operation
- Technology



NIS - Vital suppliers

Energy

Banks and financial

Water supplies

market infrastructure

Healthcare

(F3)

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Providers of public

communications

Waste water and

waste management

Digital services such

as social networking

data centre services

Manufacturing of

certain critical

products

services platforms and

etworks or services

electronic

D)

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NIS2 Directive for EEs & IEs

Cyber Risk		Policies on risk analysis and information system security
Management Measures	H	- Incident handling
	ner	Business continuity, Disaster Recovery, and crisis management
Cooperation & Information	ager	– Supply chain security
Sharing	lan ure	 Network Security, Systems Security & Vulnerability Management
CyCLONe	Risk Management Measures	Policies & Procedures to assess the effectiveness of risk management measures
European Cyber Crises Liaison Organisation Network		 The use of cryptography and encryption
)	Cyber	Basic cyber hygiene practices and cybersecurity training
ble		Human resources security, access control policies and asset management
		Multi-factor authentication or continuous authentication solutions, secured voice, video and text communications and secured emergency communication systems
Technology	ISO/IEC 27001:2	

System Cybersecurity Standards

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Requirements

Process

NIS 2

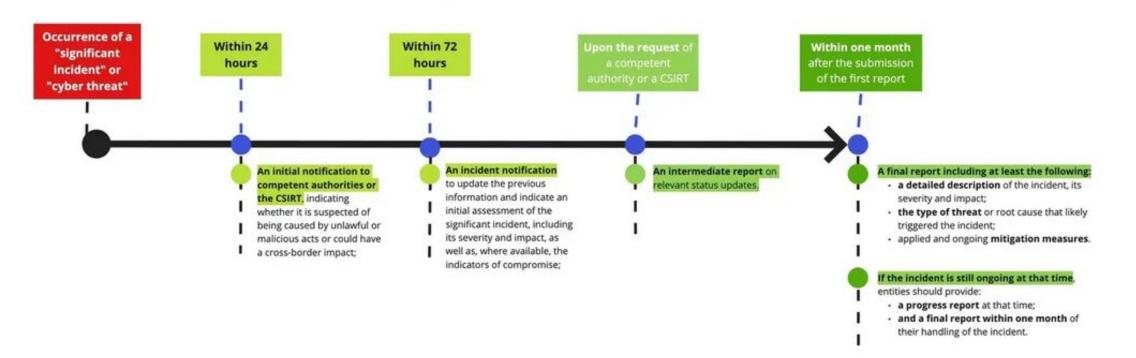
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People

Reporting

- Obligation to report any significant incident without delay to the competent national authorities (including the national CSIRT – in Belgium, the CCB)
- A significant incident is :
 - causing serious operational disruption to services or financial losses to the entity concerned;
 - affecting other natural or legal persons by causing considerable material or non-material damage.

NIS2: Response Obligations Timeline in the event of a a significant incident or cyber threat



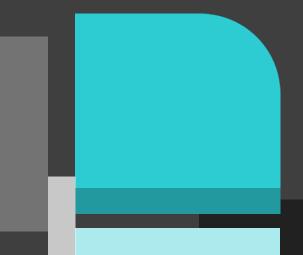
How to prepare?

- The new obligations for relevant entities should not come into effect until the end of the transposition period (October 2024).
- **Companies should prepare now** for the general obligations arising from the Directive, without waiting for the transposing legislation, taking into account the increasing threats and risks.
- Therefore, we can only advise entities that will clearly be subject to these new obligations to begin raising (or continuing to raise) their level of cybersecurity from now.
- NIS2: forecast figures for the increase in the ICT budget
 - > Within 3 to 4 years of NIS2 implementation, it is expected that ICT security spending will increase on average by:
 - 12% for sectors already covered by NIS;
 - up to 22% for sectors and types of services added to the scope of NIS2.
 - For national budgets and administrations, an estimated increase of approximately 20-30% of resources would be expected in the short and medium term.
- The CCB has published a <u>Cyberfundamentals</u> framework with specific audit objectives. This tool can help and advise companies to raise their security to an appropriate level right away.

CCB Cyber Fundamentals Framework

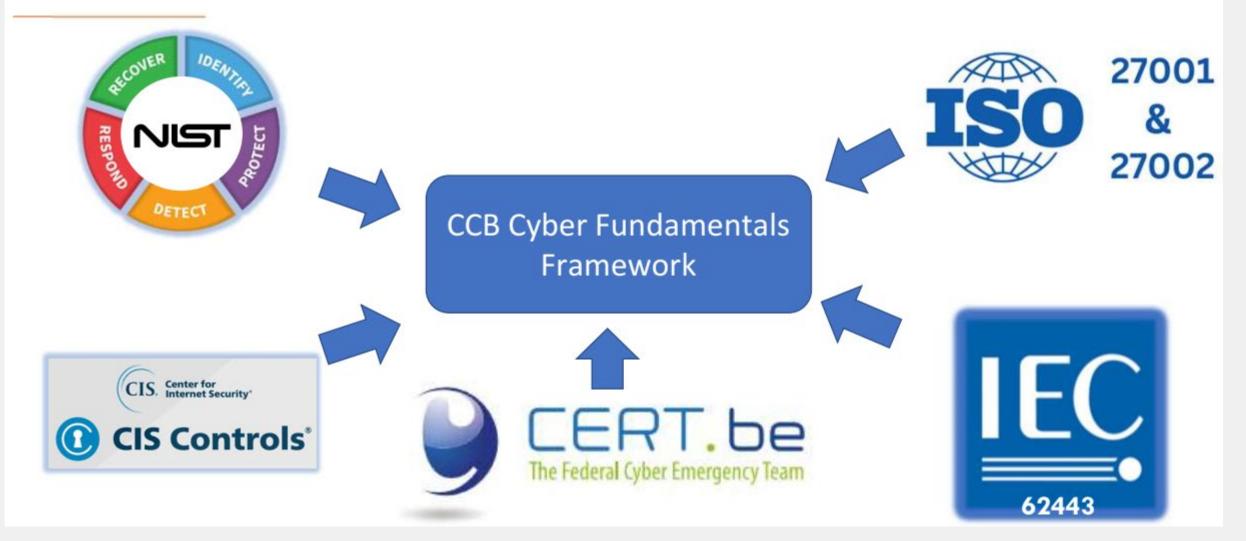
How to increase your cyber security maturity levels?



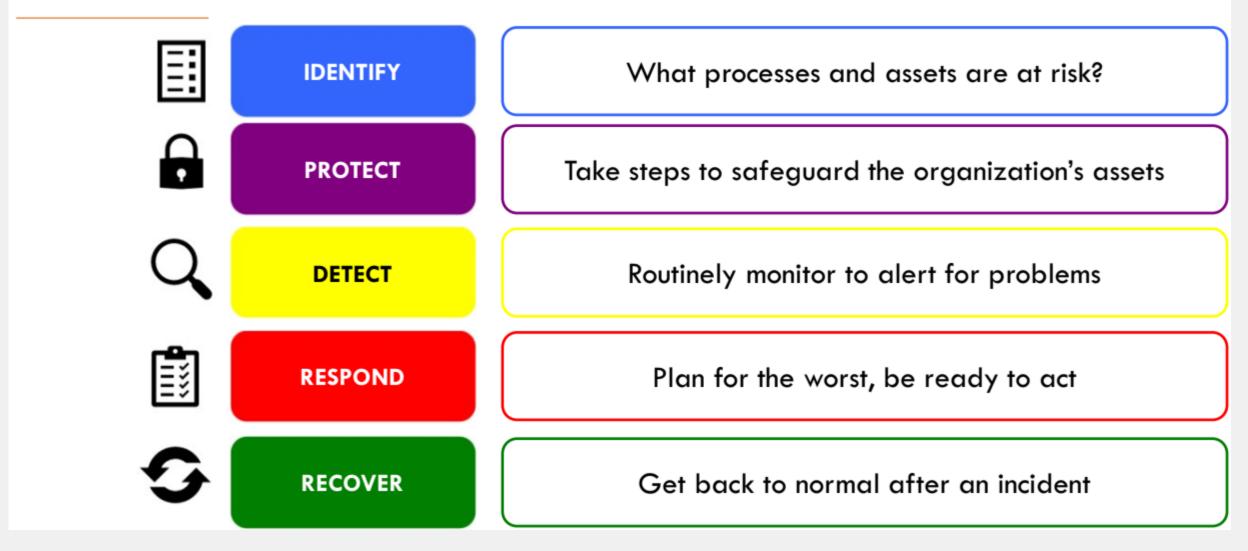


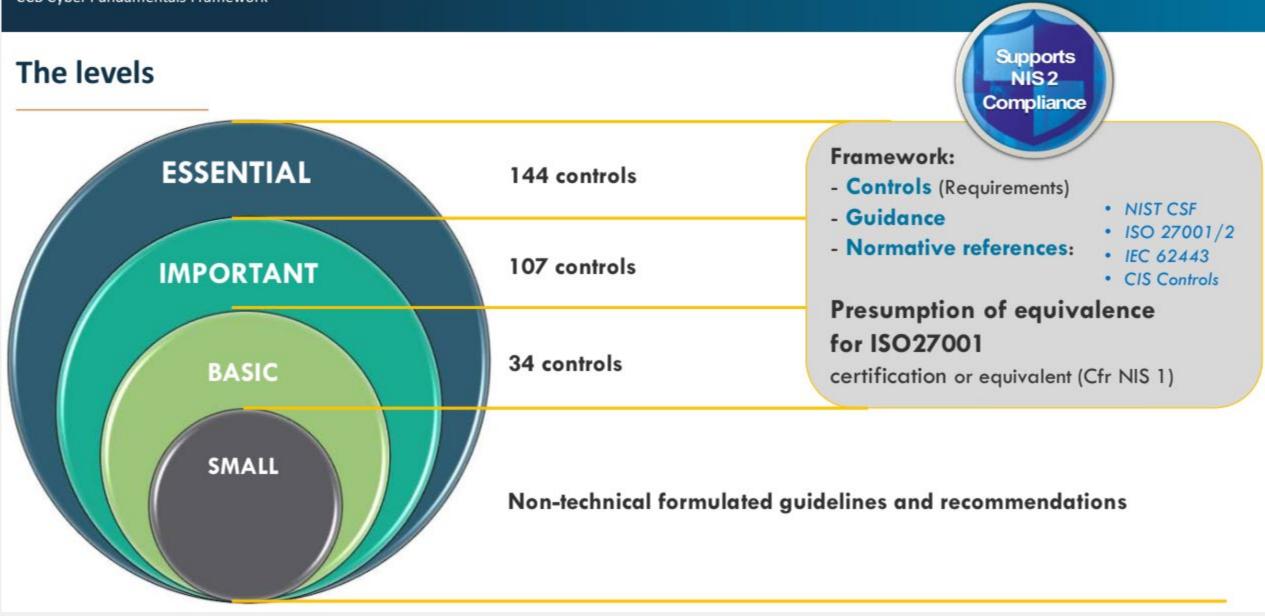


What is it based on?



Core functions





CyberFundamentals Framework levels

The **starting level Small** (coming soon) allows an organisation to make an initial assessment. It is intended for microorganisations or organisations with limited technical knowledge.

The assurance level *Basic* contains the standard information security measures for all enterprises. These provide an effective security value with technology and processes that are generally already available. Where justified, the measures are tailored and refined. **34 CONTROLS CCB** Framework Basic

The assurance level *Important* is designed to minimise the risks of targeted cyberattacks by actors with common skills and resources in addition to known cyber security risks.

107 CONTROLS CCB Framework Important The **assurance level** *Essential* goes one step further and is designed to address the risk of advanced cyberattacks by actors with extensive skills and resources.

144 CONTROLS CCB Framework Essential

Small

Basic

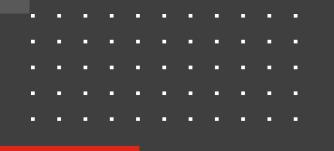
Important

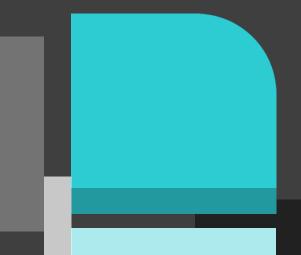
Essential

The IMPORTANT and ESSENTIAL levels are already in line with the provisions in the NIS2 directive.

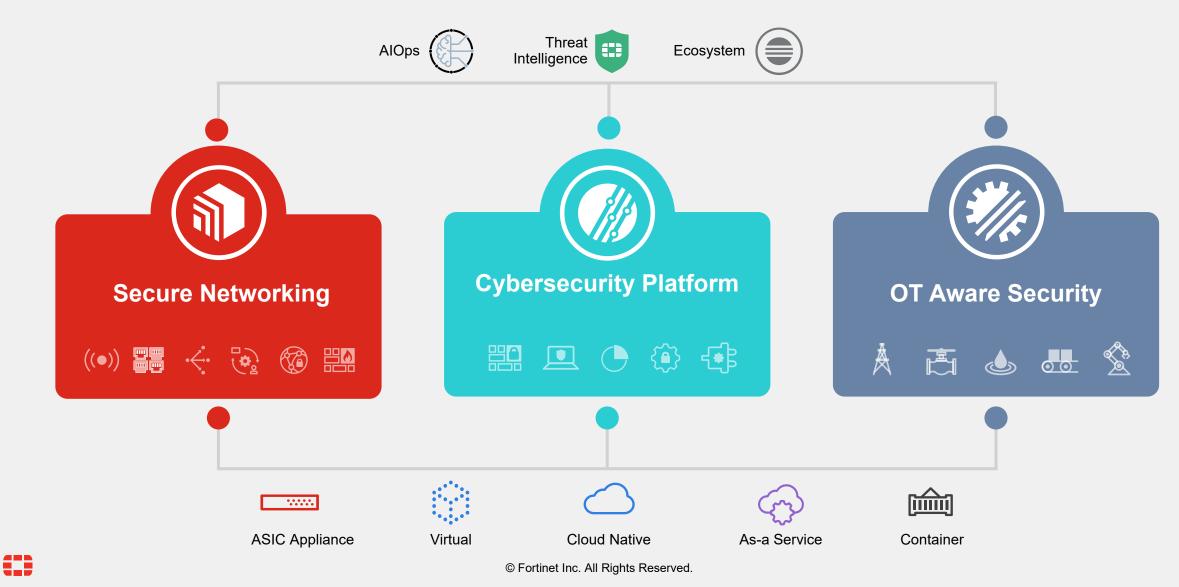
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How to increase your cyber security maturity levels with Fortinet?





Consolidation Reduces Complexity & Accelerates Outcomes



Consolidation Reduces Complexity & Accelerates Outcomes



Broad

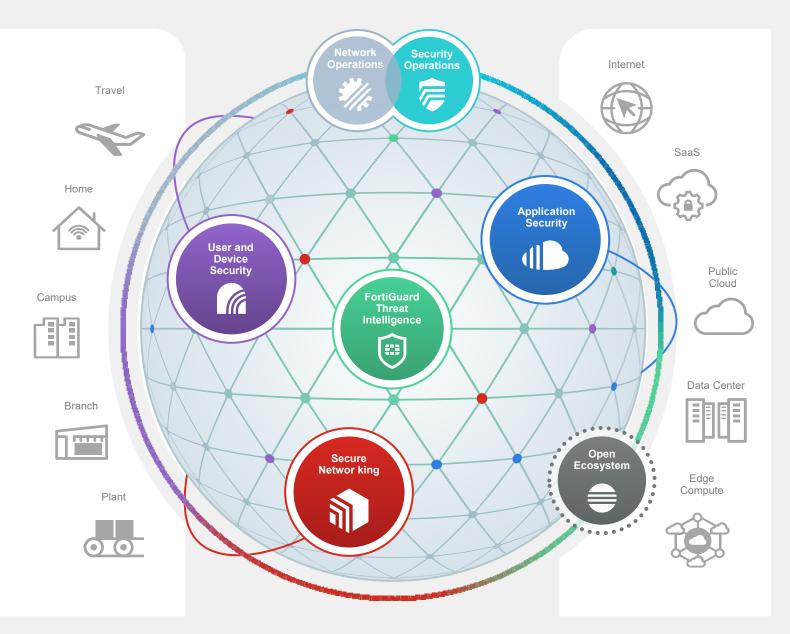
visibility and protection of the entire digital attack surface to better manage risk

Integrated

solution that reduces management complexity and shares threat intelligence

Automated

self-healing networks with AI-driven security for fast and efficient operations





The industry's highest-performing integrated cybersecurity mesh platform

IDENTIFY





The industry's highest-performing integrated cybersecurity mesh platform

PROTECT





The industry's highest-performing integrated cybersecurity mesh platform

access to cloud security products

DETECT

Revised November 2, 2023



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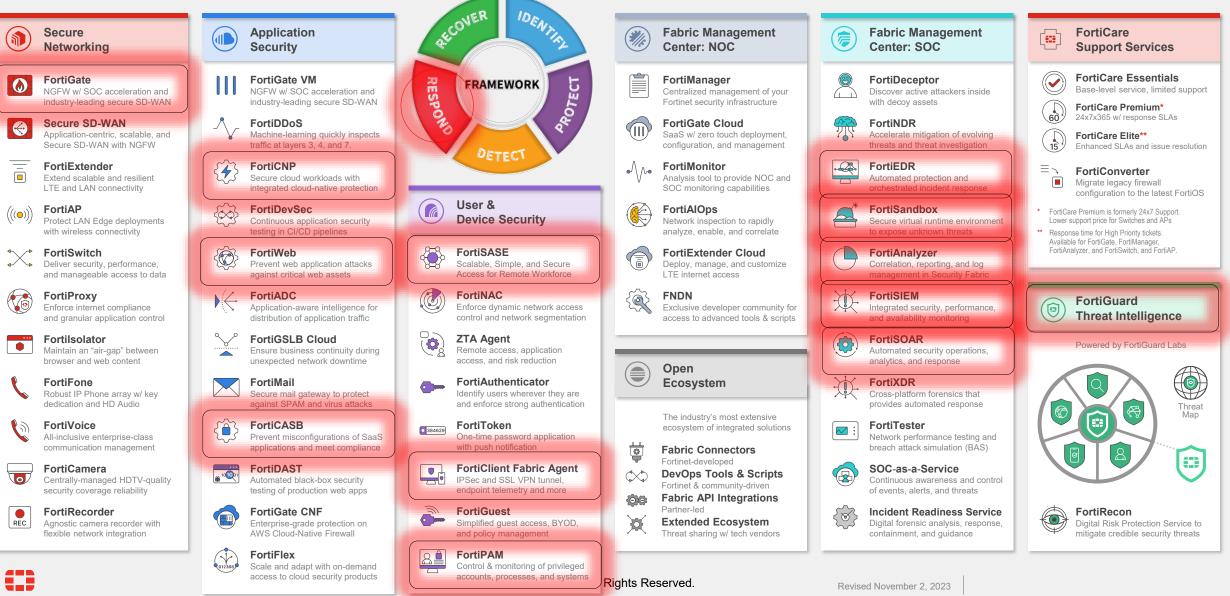
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accounts, processes, and systems

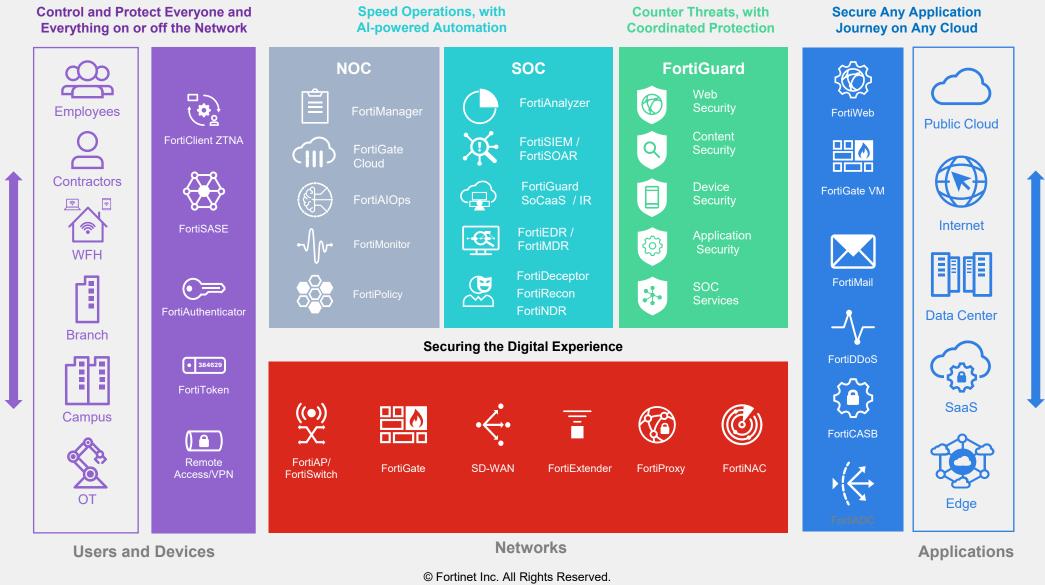


The industry's highest-performing integrated cybersecurity mesh platform

RESPOND



Fortinet Security Fabric Expansion



Resources Everywhere

Entities Anywhere

Maximize your existing investments

Fortinet integrates with 500+ security and networking solutions



Resources

- Fortinet blog by Ricardo Fereira
 - https://www.fortinet.com/blog/ciso-collective/navigating-nis-2-directive
- CCB website
 - https://ccb.belgium.be/en/news/new-nis-directive-has-landed
 - https://ccb.belgium.be/en/nis-2-directive-what-does-it-mean-my-organization
 - https://ccb.belgium.be/en/cyberfundamentals-framework

