

INTRODUCTION



December 2020: Solarwinds Orion Code Compromise



January 2021: CHwapi hospital hit by Windows BitLocker encryption attack



March 2021: Microsoft Exchange Server Remote Code Execution Vulnerability



Continuous: It took more than 14 days to provide that contractor with the necessary access rights

How did it happen?

Do we use the affected solution/version in-house?

Do any of our third-party suppliers use the affected solution/version in-house?

What did the attacker do in our systems?

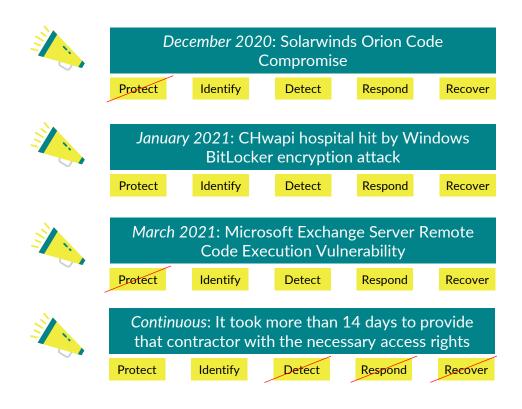
Do we detect suspicious activity or any of the indicators of compromise?

Who do I have to call to respond to the threat quickly?

By when can we easily get up and running again? In IT terms, this means rebuilding from scratch all hosts that are potentially infected.

How can we prevent this in the future?

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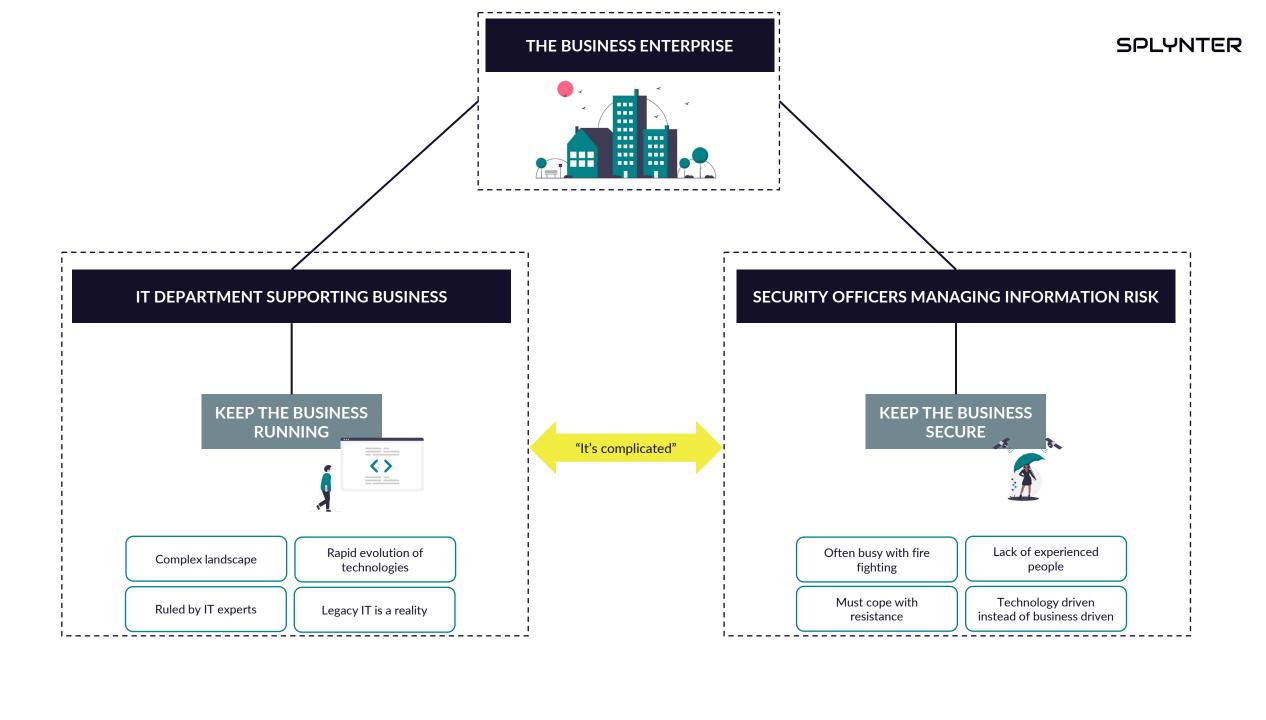
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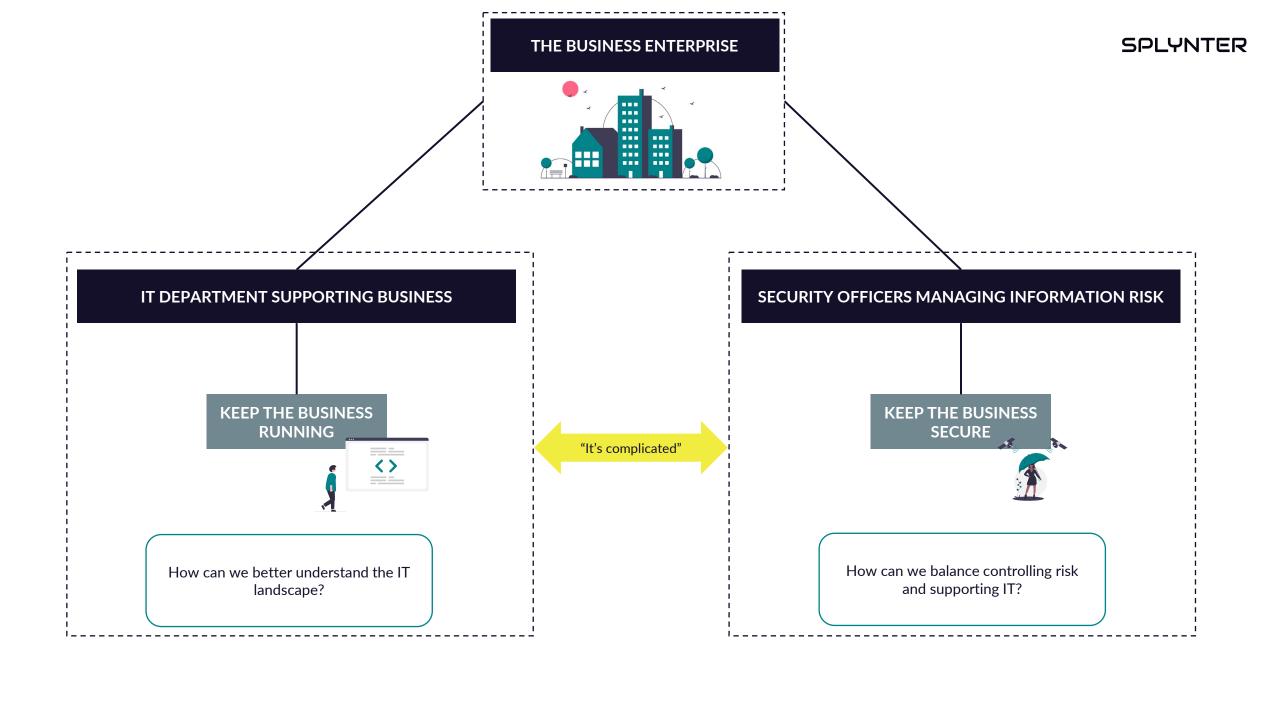
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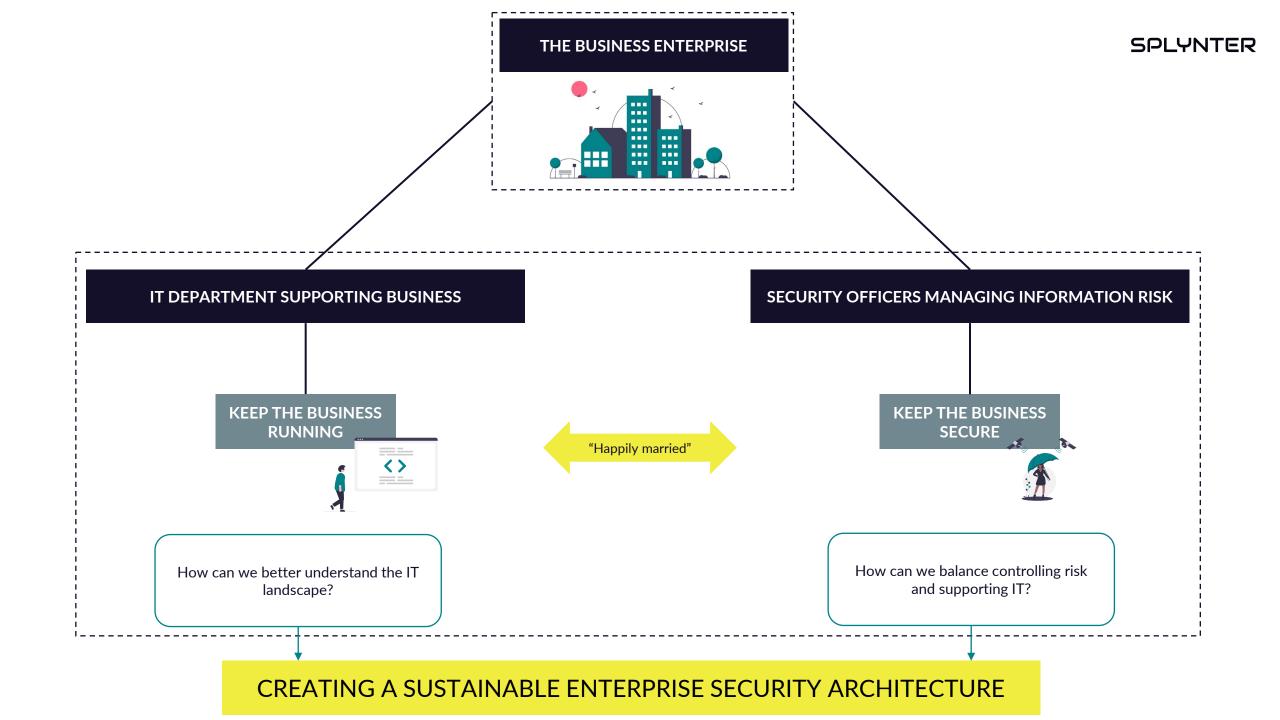
By when can we easily get up and running again? In IT terms, this means rebuilding from scratch all hosts that are potentially infected.

How can we prevent this in the future?

Do you have the necessary capabilities in house to structurally answer these business questions effectively and efficiently?









STEP 1

ESTABLISHING THE CONTEXT

Define the enterprise information security requirements by understanding the internal and external drivers.

STEP 2

ASSESSING INFORMATION SECURITY MATURITY

Assess the current maturity of the enterprise information security requirements.

STEP 3

DEFINING TARGET INFORMATION SECURITY MATURITY

Decide on the roadmap towards a target information security maturity based on industry threats and enterprise risks.

STEP 4

UNDERSTANDING THE BUSINESS AND IT SERVICE LANDSCAPE

Model the enterprise and translate the enterprise information security requirements to technology security requirements.

STEP 5

INSTALLING THE INFORMATION SECURITY CAPABILITY

Install the information security capability to support the enterprise in realizing the technology security requirements.



Step 1: establishing the context

Internal factors

Business strategy

Business objectives

Stakeholder's drivers (profit, growth, ...)

Risk appetite

External factors

EU regulation (eIDAS, NIS, PSD2, GDPR, ...)

Local regulation (usage of SSN, usage of biometrics, NBB BE, ...)

Global industry standards (NIST 800-63, ISO27k, PCI DSS, ...)

Cyber security frameworks (NIST CSF, ...)

Non-regulatory (sector-specific)

Industry threats (ransomware, mobile fraud, ...)

EXAMPLE:

NIST 800-63B: "Proof of possession and control of two distinct authentication factors is required through secure authentication protocol(s) to provide high confidence about a subject's identity (assurance level 2)."



Enterprise information security standards

Enterprise information security policies

Enterprise information security standards

Enterprise information security guidelines

Enterprise information security procedures

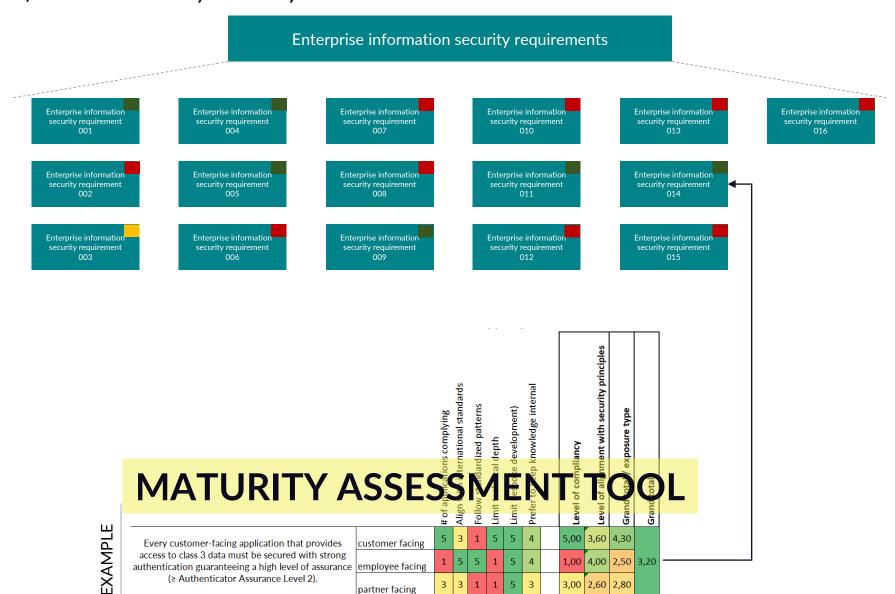
Enterprise information security requirements

EXAMPLE:

Requirement: "Every customer-facing application that provides access to class 3 data must be secured with strong authentication guaranteeing a high level of assurance (≥ Authenticator Assurance Level 2)."

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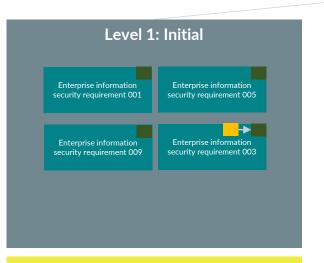
Step 2: assessing information security maturity



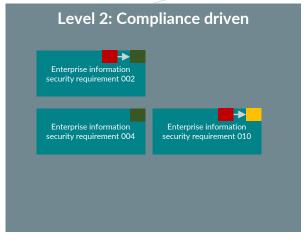
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Step 3: defining target information security maturity

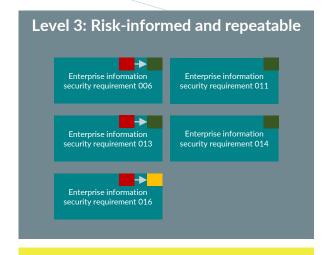
Enterprise information security requirements



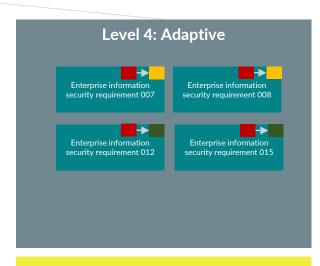
TARGET Y



TARGET Y+1



TARGET Y+2



TARGET Y+5

FXAMPLE:

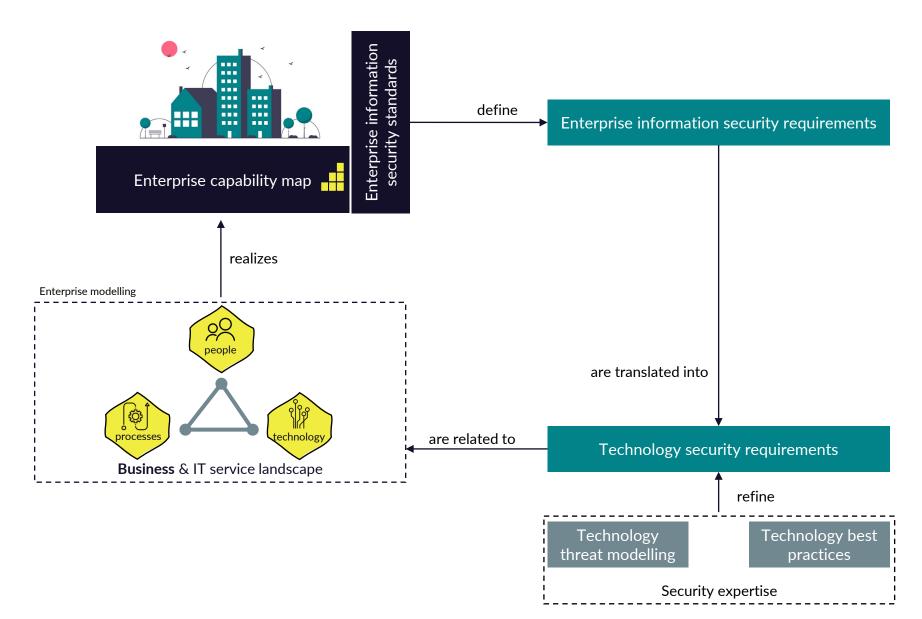
Risk: "Unauthorized disclosure of personal information due to weak access control mechanisms [leads to high monetary fines]" **Decision**: "IAM enterprise information security requirements must be realized **within the year**"



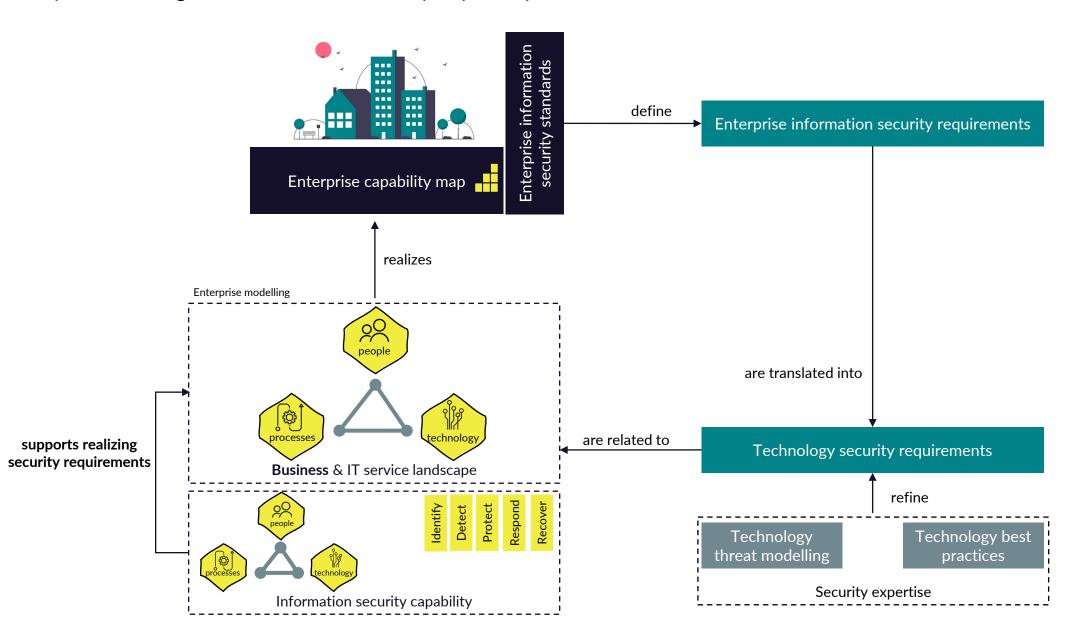


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Step 4: understanding the business and IT service landscape and defining the technology security requirements

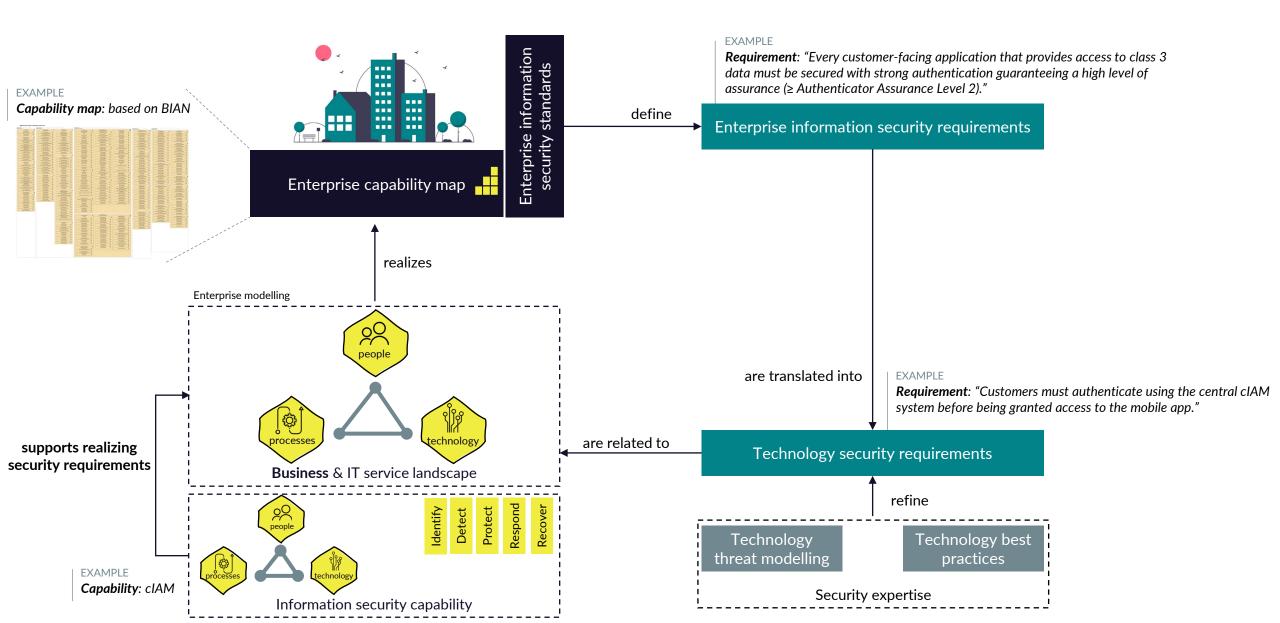


Step 5: installing the information security capability



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EXAMPLE



We assist you executing your activities with confidence, helping you achieve your objectives in a risk-managed way.

Interested? Book an online call now.



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Combatting your adversaries with structure.