SECURITY INNOVATION EUROPE

Professional Services Catalogue

June 2018

SUPPORTING THE CISO FOR OVER 20 YEARS

As CISO, if you don't have a clear understanding of the threat actors and attacks paths that relate to your specific business, if you only have partial visibility of business information assets and no clear understanding of the impact of a breach, and if you don't know where the edge of the business is and paths across it, then I fail to see how CISO's are able to report the true level of Cyber Risk to the Board and deliver proportional risk treatment plans.

With a bottom up focus on increasingly complex and costly technical mitigations, I believe the Enterprise Security & Risk functions needs to focus just as much resources on an effective method to gain visibility, model, describe, and understand the functions, structures and interrelationship of business & security components within the enterprise. Security Innovation Europe are uniquely positioned to provide that insight for the CISO.

Alex Port
CISO
Security Innovation Europe Ltd

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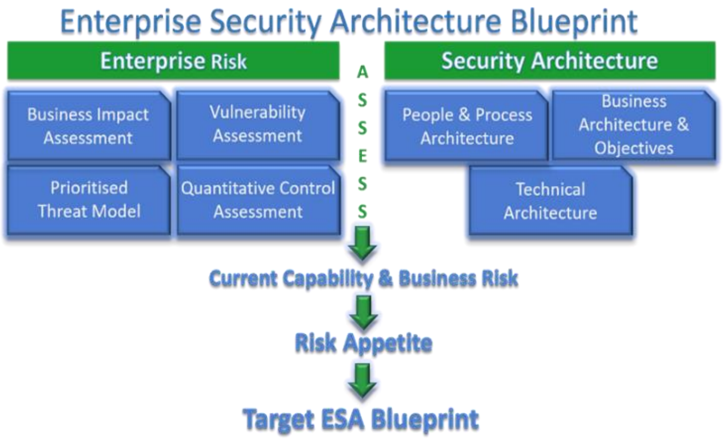
The pace of digital Innovation and the disruption this introduces as businesses evolve is outpacing the ability for business strategy to adapt to Cyber requirements. This is especially true where;

- Enterprises are becoming ever more complex in their digital operations.
- Information and privacy related risks are already unsighted.
- new dynamic threats are regularly emerging.
- threat actors are targeting cyber-naive Enterprises.

The ability to properly understand and deal with all these elements is critical to an organisation's success, so as not to negatively impact operations, finances or their reputation (commercially or with regards to protecting data).

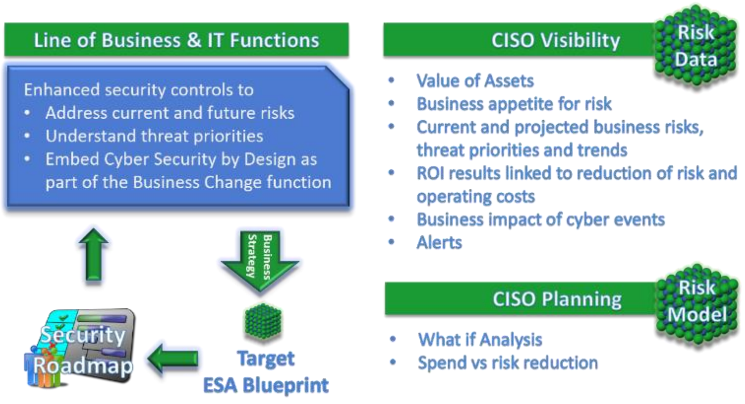
Managing today's risk means that Enterprises must now transform the role of Cyber within their enterprise risk function and address this cyber risk not as an IT problem but as a Business owned issue.


Enterprise Security Architecture Blueprint
Enterprise Risk
Business Impact Assessment
Vulnerability Assessment
Prioritised Threat Model
Quantitative Control Assessment
A S S E S S
Security Architecture
People & Process Architecture
Business Architecture & Objectives
Technical Architecture
Current Capability & Business Risk
Risk Appetite
Target ESA Blueprint

By implementing a Cyber Security Strategy, based on a known baseline of cyber control capabilities, with a defined Enterprise Security Architecture (ESA) Blueprint based on the business' appetite for risk, allows Enterprises to effectively manage a dynamic threat landscape.

This approach delivers to the CISO an understanding of the true value of the Enterprise's information assets as well as insight into the business impact of likely cyber events. This can now be clearly articulated to gain board-level support for a business aligned, risk based, proportional response.

Board level reporting now becomes understandable in terms of current and projected business risks, threat priorities and trends. RoI can now be clearly identified in terms of reduction in risk operating costs. This is supported by enhanced security controls to enable each line of business and IT function to address current and future risks, understand threat priorities and consider Cyber Security by Design embedded as part of the business change function.


Line of Business & IT Functions
Enhanced security controls to
Address current and future risks
Understand threat priorities
Embed Cyber Security by Design as part of the Business Change function
Business Strategy
Security Roadmap
Target ESA Blueprint
CISO Visibility
Risk Data
Value of Assets
Business appetite for risk
Current and projected business risks, threat priorities and trends
ROI results linked to reduction of risk and operating costs
Business impact of cyber events
Alerts
CISO Planning
Risk Model
What if Analysis
Spend vs risk reduction

Enterprise Security Architecture Blueprint

With CISO’s having to report measurable ROI to the board, an essential step in developing an effective and agile Enterprise Cyber Security Strategy is to develop a reference Enterprise Security Architecture Blueprint.

Our pragmatic approach to developing a Blueprint is to use an agile methodology aligned to frameworks such as TOGAF and SABSA. The blueprint process will deliver a set of representations, Artefacts in EA speak, that describe the function, structure and interrelationship of the security components within the environment.

These artefacts capture the business context, the What, Why, How, Who, Where & When which defines the business landscape. We identify business and technical information assets, the value to business owners and utilising contextual threat

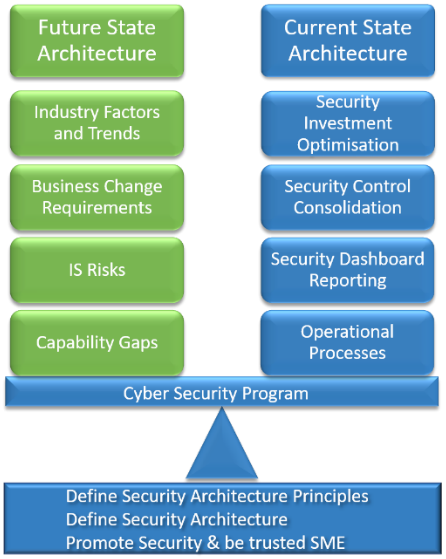
Our process enables a repeatable measurement of risk and the effectiveness of proportional control improvements. This continuous assessment philosophy allows enhanced visibility of the true level of information risk and the detailed reporting a contemporary CISO demands.

Using a dynamic contextual risk model, an architectural blueprint supported by technical patterns gives the CISO clear situational awareness of their enterprise risk and how RoI is managed.

This visualised of risk in the enterprise allows the security professional to model the security architecture and controls as Risk, Attack and Threat models evolve.

The components referenced in the Security Architecture, perform functions to protect the confidentiality, integrity and availability of information assets and information systems in the environment.

Always contextual to the business risk appetite, these will include a combination of people, process and technology based security controls, security services and security products. Details are captured in use case driven security patterns designed to reduce both the likelihood of an attack being initiated or a breach being successful.


Future State Architecture
Current State Architecture
Industry Factors and Trends
Security Investment Optimisation
Business Change Requirements
Security Control Consolidation
IS Risks
Security Dashboard Reporting
Capability Gaps
Operational Processes
Cyber Security Program
Define Security Architecture Principles
Define Security Architecture
Promote Security & be trusted SME

Users of the Security Architecture patterns will come from across all business functions and include business, application & technical architects, information security and risk practitioners, project managers, software developers, IT implementers and 3rd parties. Patterns ensure that both business and technology stakeholders have trusted cyber security guidance and approved solutions. This approach to treating cyber security requirements by design allows the business to evolve at pace without accruing additional cyber risk.

Once the Cyber Security Strategy and Architecture has been defined, establishing wholesale improvements across an organisation usually requires changes addressing several areas covering policy, people, operational process and technology. A Cyber Security Transformation Programme is generally used as the means of coordinating complex changes across your business, whether its delivering missing foundational security capability or looking at Cyber maturity improvements.

We have broad experience of working across highly complex work-streams, delivery projects and programmes. including enterprise class private, public and hybrid cloud security solutions for business applications, data and infrastructure architecture and platforms.

Security Solution Architecture

Our deep technical foundation allows us to fulfil an effective and active technical stakeholder role in the delivery of a business or technology roadmap. With consideration of governance, functional and non-functional requirements, oversight and assurance to both high and low level design detail.

We comfortably work with Executive & Senior Technical Stakeholders, Business Analysts, Project and Programme Managers with exposure to formal methodologies such as Prince2.

This wide and deep experience permits a significant contribution to successful strategic and tactical architecture, program & project delivery and to engage, support and challenge at the most senior management and executive levels.

Strategic

- *Current & Future Stage Analysis*
- *Enterprise Security Transformation*
- *Enterprise Security Planning*

Tactical

- *Security Technical Solution Design*
- *Project Delivery*
- *Tactical & Strategic Deployments*
- *Security Solution Integration*

With the increasing likelihood of cyberattacks and data breaches, it is important to know your business has the appropriate level of cyber defence in place for your threat profile and risk appetite.

As part our wider Strategic and Architectural services we offer a range of capabilities to help measure, manage and control Cyber Risk within your organization, we provide several Cyber Security Consultancy services, to help you select and Implement the right cyber defence for your business.

Cyber Security Consultancy Services

Enterprise Risk Modelling

- *Contextual Business Impact Assessment*
- *Enterprise Security Benchmarking*
- *Prioritised Threat Modelling*
- *Attack Path Analysis*
- *Risk Scenario Modelling*
- *Dynamic Visualisation & Trend Reporting*

Cyber Security Health Checks

- *Determine your ability to identify, protect and defend your critical information against attacks*
- *Security Penetration tests your internal and external infrastructure to identify weaknesses*

Benefits

- *Supports business decision on security investment*
- *Benchmark of current capability & risk*
- *Based on industry standards*
- *Identifies areas requiring immediate attention*
- *Helps plan allocation of resources and finance*
- *Determine if past remediation activities have been successful*
- *Remediation can be prioritised and planned according to appetite for risk*

Security Innovation Europe promotes a pragmatic, good practice, SABSA aligned architectural methodology. Our expertise allows us to develop and deliver business aligned, risk based, security reference architecture blueprints. As part of an associated strategy & road-maps this wide and deep Security Architecture experience permits a significant contribution to successful program & project delivery.

Our Secure DevOps Services identify critical issues and exposures, and deliver a prioritised set of recommendations required to align with agreed business risk appetite.

Delivered as part of a planned improvement program, or single activity, our services are led by our certified Cyber Security Consultants include

Secure Dev Ops Services

Health Checks

- *Application vulnerability assessment*
- *Infrastructure and network penetration testing*
- *Web application penetration testing*
- *SDLC Maturity Assessment*

Services

- *Threat Modelling (TTP's)*
- *Static code analysis & defect remediation prioritisation*
- *SATS / IAST / DAST integration with DevOps*
- *DevOps training*
- *Build hardening security review*

About Us

From global brands to FTSE100 listed financial services firms, Security Innovation Europe has helped organisations assess and build effective Enterprise Cyber Security Strategies, Security Architectures and roadmaps. Delivering a demonstrable ROI showing sustainable, long term cyber risk reduction whilst still enabling secure business transformation. Furthermore, Security Innovation Europe has supported the technical delivery of business transformation, program and project level initiatives.

Security Innovation Europe promotes a pragmatic, good practice, SABSA aligned architectural methodology. Our expertise allows us to develop and deliver business aligned, risk based, security reference architecture blueprints. As part of an associated strategy & road-maps this wide and deep Security Architecture experience permits a significant contribution to successful program & project delivery.

We understand organisations are at different levels of enterprise architectural maturity or may not even been aware of some of the concepts. We can provide expertise and services aligned to your current level of architectural maturity.

For a confidential discussion contact

Marc Dunlop
Operations Director

Tel:	+44 0203 597 5020
Mob:	+44 07956 895 005
email:	Marc.Dunlop@securityinnovationeurope.com

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