

Cubic Uses SD Elements to Improve Cyber Resilience

Going beyond compliance requirements – making products secure by design.

COMPANY

Cubic Corporation

LOCATION

California, USA

PERSON AND ROLE

Konrad Fellmann
VP and Chief Information
Security Officer



Cubic Corporation is a technology-driven, market-leading global provider of innovative, mission-critical solutions that reduce congestion and increase operational readiness and effectiveness through superior situational understanding. With more than 7,000 employees, the company innovates to make a positive difference in people's lives.

Challenge

In 2013, Cubic implemented SD Elements in one of its four divisions to generate security requirements for PCI compliant software. However, with the continued growth of application development taking place throughout the organization, they needed to assure their customers and executive stakeholders that all products were secure by design.

To create cyber resilience throughout the organization, Cubic knew that they needed to go beyond solely tracking and applying security requirements based on recommendations from resources like OWASP and the PCI Security Standards Council. Konrad and his team referenced many major corporations that adopted strategies for following compliance and security guidelines, but concluded that Cubic needed a methodology that would be simple and consistent for their engineers to apply to the software development life cycle.

They considered creating a manual process that would allow their engineers and security professionals to research and develop security requirements for every unique software that they produced. However, they quickly realized that a project of that magnitude would include several weeks devoted solely to defining the security requirements phase and could result in guidelines that weren't representative of their expansive application portfolio.

"We needed something that could define the requirements in a way that would improve cyber resilience and found that SD Elements was the best solution to do that. It provides the guidance we need to produce secure software."

— Konrad Fellmann
VP and CISO, Cubic Corporation

Solution

Since SD Elements maps applications and software directly to security and compliance requirements, Cubic knew that incorporating the solution into their software development life cycle would greatly improve their cyber resilience. Konrad and team also understood that, by implementing the solution into Cubic's policies, a cultural and operational shift would occur within their engineering teams and with their current and prospective customer base. With SD Elements, their sales team is able to present customers with complete security reports showing how and why their software is secure.

Cubic found that SD Elements was the only solution that made it easy to ensure that security was built in and considered at every stage of software development. Instead of manually researching requirements, they could now go through the modeling processes in SD Elements and produce requirements in less than 20 minutes.

Here are some of the ways that SD Elements is changing Cubic's way of business:



Policy to Execution. With SD Elements incorporated as a key component of Cubic's SDLC policy, engineers can rely on a trusted, relevant security and compliance resource.



Improving Customer Trust and Transparency. Cubic's prospective and current customers have complete visibility into what their software was tested for, and what compliance requirements have been met.



Fulfilling Security Requirements. SD Elements provides Cubic's engineers and internal stakeholders with security and compliance requirements faster.



Maintaining Security by Design. As Cubic continues to enhance their security policies, SD Elements is a key component in the gateway checklist of the software development life cycle.

SD Elements is a primary component in structuring and maintaining cyber resiliency at Cubic. By incorporating the solution into their policy and processes, Cubic can confidently produce more secure software and retain customer trust in their products.

For more information on SD Elements, visit us at
<https://www.securitycompass.com/sdelements>

HIGHLIGHTS

- ▶ Security by Design
- ▶ Policy to Execution
- ▶ Organization-Wide Adoption
- ▶ Security Requirements in <20 minutes

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