

CASE STUDY:

Application security testing for a leading telco provider

INDUSTRY: TECHNOLOGY, MEDIA, AND TELECOMMUNICATIONS

Client background

The client is a large telecommunications company and Internet service provider with a large customer base.

Client challenge

CyberProof was approached by a leading telco company to strengthen the company's cyber security program while addressing the Payment Card Industry (PCI) Data Security Standard (DSS) and New York Department of Financial Services (NYDFS) cybersecurity regulations.

As a large organization with distributed development teams, the client struggled to maintain clear and consistent secure coding methodologies across the enterprise ranging from application scanning and testing to implementing best practices and providing effective training.

The fragmented setup and lack of visibility made it increasingly challenging to demonstrate the company's processes were meeting PCI DSS and NYDFS compliance regulations to internal and external auditors.

Benefits



35% increase in productivity relating to application development.



Greater visibility into coding methodologies across the enterprise.



Meeting cyber security regulations including PCI DSS and NYDFS requirements.



Improved management of vulnerabilities and risk across software development teams.



It was critical that the solution CyberProof developed for this client be delivered as a single pane of glass providing consistency across disparate applications and easing the burden of remediating vulnerabilities. The solution enabled the client to consistently apply security across applications and infrastructure in the context of the diverse applications portfolio that was in place.

- **Brian McGraw, Head of Advisory Services, CyberProof**

Our solution

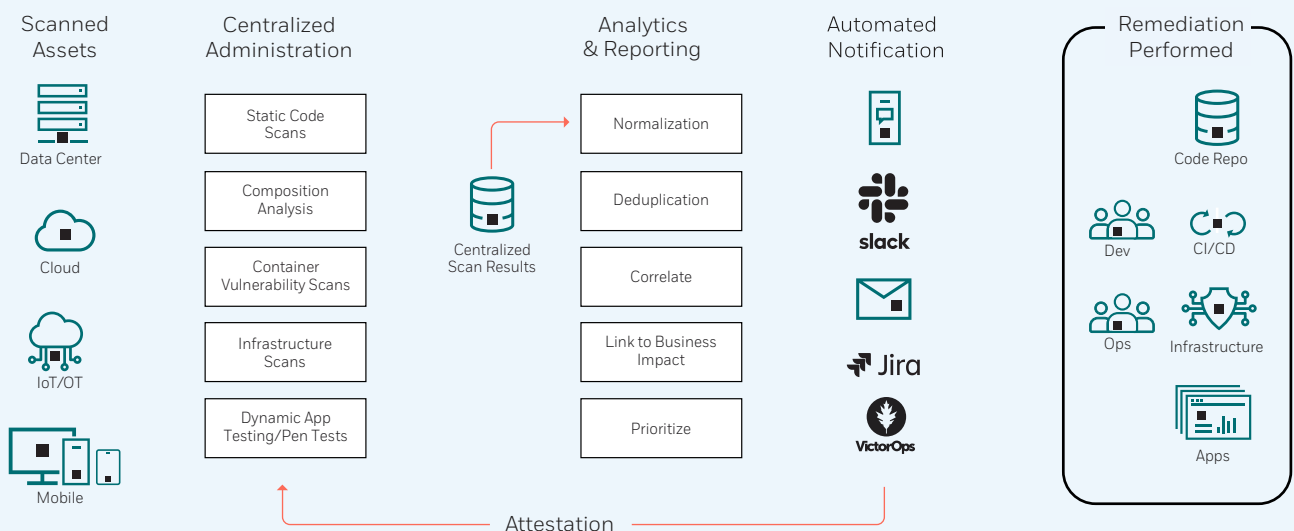
CyberProof developed go-forward recommendations and implemented cybersecurity controls that better positioned the organization in the eyes of its PCI Qualified Security Assessor (QSA).

CyberProof identified Security Champions for each in-scope application – assigning subject matter experts able to help drive the process and identify common ground across distinct development teams.

- After a thorough discovery process, CyberProof delivered specific recommendations, including:
- An inventory of secure coding methodologies meeting software and industry standards
- Identification of gaps in processes
- Auditable documentation tracking the progress of secure coding implementation
- A roadmap for addressing potential vulnerabilities

As a key recommendation within the roadmap, CyberProof implemented the ZeroNorth platform to help the company manage vulnerabilities and risk across software development teams and infrastructure. Given the diverse nature of ZeroNorth’s scanning and testing tools, the platform provided a solution capable of ingesting, normalizing, correlating and prioritizing vulnerabilities across the software development life cycle (SDLC). In addition, as a cloud-based technology, the ZeroNorth platform is an easy-to-deploy and platform-agnostic solution that scales with the telecommunications provider’s needs now and in the future.

CyberProof helped the telco bridge the gap between application security and security operations, while streamlining the process of addressing risk and vulnerabilities across the SDLC. With the solutions provided, CyberProof bolstered the organization’s overall security posture, leaving the customer confident in its ability to meet the PCI DSS and NYDFS compliance requirements quickly and efficiently.



About CyberProof

CyberProof, a UST company, helps our clients transform their security to a cost-effective, cloud-native technology architecture. Our next-generation Managed Detection & Response (MDR) service is built to support large, complex enterprises by combining expert human and virtual analysts. Our services are enabled by our purpose-built platform, the CyberProof Defense Center – enabling us to be more agile, collaborate better, and deliver powerful analytics. Our integrated security services include Threat Intelligence, Threat Hunting, and Vulnerability Management. Our experts innovate to meet our clients' needs with custom use cases, integrations, and automations. For more information, visit www.cyberproof.com.

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