

Vulnerability detection, monitoring and management system

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Modern organizations face the challenge of managing cybersecurity risks alongside various internal operational processes. The use of isolated and fragmented tools complicates both security oversight and effective managerial decision-making. The presented project aims to develop an integrated platform that combines cybersecurity management with the administration of key organizational processes.

The main challenge of the project lies in the centralized management of diverse data sources, processes, and functional components while maintaining system flexibility, scalability, and usability. To address this challenge, a web-based platform is proposed that enables vulnerability detection, monitoring, and management, while simultaneously supporting organizational workflows such as project tracking, incident handling, risk management, and internal process coordination.

By unifying cybersecurity functions with broader management capabilities, the system provides a holistic view of organizational operations. The expected outcome is a solution that improves security posture, simplifies managerial oversight, and enhances the efficiency and quality of decision-making across different organizational levels.