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Open Worldwide Application Security Project (OWASP) Operating Systems

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Abstract: This study demonstrates how we may create an operating system specifically for web application development and thorough penetration testing. A community-driven initiative called the OWASP Operating Systems project aims to provide a specialized operating system for web application development and penetration testing. The project team is developing and assessing the OS using a range of techniques, including as user interviews, literature reviews, and prototyping. The creation of a specialized operating system for web application development and penetration testing has advanced significantly under the OWASP Operating Systems project. The project team has created a prototype operating system (OS) with an integrated SIEM system for monitoring and responding to security threats, a full set of integrated penetration testing tools, and a pre-configured development environment. A potential endeavor to create a safe and integrated environment for web development and penetration testing is the OWASP Operating Systems project. Developers may use it to create online apps that are more secure, while security experts could use it to more efficiently find and fix problems. Although the project is still in its infancy, it has the potential to significantly alter how online applications are created and protected

Keywords: Web Application Security, OWASP, Operating system, Secure Coding, Security

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