



SECURITY SCANNER

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OUTLINE

- *Problem Statement (Should not include solution)*
- *Proposed System/Solution*
- *System Development Approach (Technology Used)*
- *Algorithm & Deployment*
- *Result (Output Image)*
- *Conclusion*
- *Future Scope*
- *References*

Problem Statement

- *The objective of this task is to create an Open Source vulnerability assessment scanner for application programs or networks.*
- *This tool should be integrated to cloud native orchestrators like OpenStack or Kubernetes.*
- *OWASP ZAP (short for Zed Attack Proxy) is an open-source web application security scanner.*

Proposed Solution

- *Vulnerability scanners are valuable tools that search for and report on what known vulnerabilities are present in an organization's IT infrastructure.*
- *Using a vulnerability scanner is a simple, but critical security practice that every organization can benefit from.*

System Approach

- *The type of security scanning required for a particular system depends on what that system is used.*
- *The more complicated and intricate the system or network is, the more in-depth the security scan has to be.*
- *One of the more popular open-source software platforms that run security scans is called Nmap.*

Algorithm & Deployment



- Security scanning is like a digital checkup for computer systems and software.
- It uses automated tools to find and evaluate weaknesses or flaws that could be exploited by attackers.

Result

- After a scan is completed, you can view both a Scan Summary and a Technical Report of the scan's findings.
- For further information, see [Integrating Invicti Enterprise With an Issue Tracking System](#) and [Vulnerability Severity Levels](#).
- They display information about the number, severity and types of vulnerabilities detected, the impact they could have, and where they exist on the site.



C o n c i s e n



- *Health risks are close to zero for individuals, but the risk cannot be ignored for populations.*
- *The purpose of security screening using X-rays is to benefit society as a whole by improving aircraft security.*

Future scope

- *The global X-Ray Security Scanner market size was valued at USD 3207.25 million in 2022 and is expected to expand at a CAGR of 5.39% during the forecast period, reaching USD 4394.52 million by 2028.*
- *It highlights current trends, opportunities, risks, and key drivers influencing market growth.*



References

- *Web Security Scanner identifies security vulnerabilities in your App Engine, Google Kubernetes Engine (GKE), and Compute Engine web applications.*
- *It crawls your application, following all links within the scope of your starting URLs, and attempts to exercise as many user inputs and event handlers as possible.*



THANK YOU