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Greenbone Community Edition

Greenbone Community Edition is an open-source vulnerability management platform developed to detect security flaws in organizations' networks and systems. It provides comprehensive visibility to security teams with continuous scanning, risk analysis, and centralized reporting features.

Cybersecurity Operations Challenges

Organizations struggle to continuously track security flaws in their systems due to expanding network structures and an increasing attack surface. While manual security checks fall short, a lack of visibility can cause critical risks to be overlooked.
The inability to manage vulnerabilities found on different systems from a central point increases the operational burden on security teams. The rapid shift in current threats makes regular scanning and continuous monitoring a necessity.
Failure to properly prioritize risk levels makes it difficult to respond to critical vulnerabilities in a timely manner.

⚠ Who can benefit?

- Provides centralized vulnerability visibility for SOC teams
- Offers continuous security scanning for system administrators
- Simplifies risk prioritization for IT teams
- Provides automated reporting for corporate structure

Core Principles

Openness
Transparent and open-source architecture

Continuity
Uninterrupted security scanning

Visibility
Centralized risk visibility

Automation
Automated scanning and reporting

Technical Specifications

Vulnerability Scanning Engine
- Network-based vulnerability scans
- CVE-compliant security checks
- Service and port discovery
- Real-time vulnerability detection and analysis

Scan Task Management
- Schedulable automated scans
- Target-based scan profiles
- Task status and historical log tracking
- Continuous scanning task scheduling

Asset and Target Management
- IP range and subnet definition
- Asset-based risk visibility
- Centralized target management
- Server, client, and network device tracking

Reporting and Analysis
- Detailed vulnerability reports
- CVSS-based risk scoring
- PDF, HTML, and XML report outputs
- Critical vulnerability prioritization

User and Authorization
- Role-based access control
- Separation of duties and privileges
- Multi-user management panel
- Centralized management and access security

How Does Greenbone C.E. Work?

Greenbone Community Edition regularly scans defined network and system targets to analyze security vulnerabilities, determine risk levels, and present actionable outputs to security teams via centralized reporting.

Workflow

1. Define Targets
- IP and subnet targets are defined.
- Server and device groups are created.
- Scan policies are configured.
- Credential information is added.

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2. Scan Vulnerabilities
- Network services are automatically discovered.
- Up-to-date NVT tests are executed.
- Critical vulnerabilities are analyzed.
- Risk scores are automatically calculated.

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3. Report and Manage
- Detailed security reports are generated.
- Critical findings are prioritized.
- Continuous scan tasks are scheduled.
- Security processes are managed centrally.

Continuous Improvement
Thanks to its regularly updated vulnerability database and automation support, Greenbone quickly adapts to the changing threat landscape and supports sustainable security operations.

Advantages

Continuous Vulnerability Scanning
Regularly analyzes systems on the network to detect critical security flaws at an early stage and provides risk visibility.

Up-to-Date NVT Database
Offers comprehensive and current security checks against new threats thanks to a continuously updated vulnerability test library.

Centralized Report Management
Manages scan results from a single dashboard, facilitating swift action through detailed analysis reports.

Automated Task Scheduling
Reduces manual operational burdens and ensures continuity by executing automated scans at specified time intervals.

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AA Teknoloji is an AI-powered media technologies platform developed for modern newsrooms. Our integrated solutions, ranging from news workflow systems to digital archive solutions, real-time broadcasting infrastructure to multi-channel content management, accelerate the digital transformation processes of media organizations and offer scalable broadcasting operations.

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