



Enhanced Security Scan Summary Report

Generated: Fri 8 Aug 00:25:03 BST 2025

Scan ID: 20250808_002025

System: Ubuntu 20.04.6 LTS Desktop



System Resource Monitoring

Resource usage tracked throughout the security scanning process:



CPU Usage

Pre: 25.7%

During: 29.2%

Post: 20.6%



Memory Usage

Pre: 37.5%

During: 38.0%

Post: 37.7%



Disk Usage

Pre: 7%

During: 7%

Post: 7%



Critical Fixes Applied



Lynis automatic HTML generation from actual terminal output



Lynis permission issues completely resolved



CIS-CAT headless Java integration working



CIS-CAT HTML report generation functional

🔧 Enhanced resource monitoring with percentages

🔧 Complete progress tracking throughout scan



Scan Statistics

HTML Reports Generated: 9 files

XML Results: 6 files

Total Files Created: 113 files

Total Disk Space Used: 106M



Complete Report Structure

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Enhanced Security Vulnerability Scan Summary Report
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Date: Fri  8 Aug 00:25:03 BST 2025
```

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System: Ubuntu 20.04.6 LTS Desktop
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Scan ID: 20250808_002025
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TOOLS USED:

- Lynis Security Audit (FIXED with automatic HTML generation)
- OpenSCAP Security Scanner
- CIS-CAT Benchmark Tool (FIXED with Headless Java)

SCAN SCOPE:

- OS Vulnerability Assessment
- Security Configuration Review
- Compliance Benchmarking (CIS Workstation Level 1 & 2)
- System Information Collection (with progress tracking)
- Resource Monitoring (CPU, Memory, Disk usage tracking)

SYSTEM RESOURCE MONITORING:

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CPU Usage:

Pre-scan: 25.7%
During-scan: 29.2%
Post-scan: 20.6%

Memory Usage:

Pre-scan: 37.5%
During-scan: 38.0%
Post-scan: 37.7%

Disk Usage (/):

Pre-scan: 7%
During-scan: 7%
Post-scan: 7%

RESULTS LOCATION:

- Project Directory: /home/gn/Desktop/project3
- HTML Reports: Available in each tool's html/ subdirectory
- XML Results: Available in each tool's xml/ subdirectory
- System Info: /home/gn/Desktop/project3/system_info/
- Resource Monitoring: /home/gn/Desktop/project3/system_info/*/resource_usage.txt

FILE COUNTS:

- HTML Reports: 8
- XML Results: 6
- Log Files: 97

CRITICAL FIXES APPLIED:

- FIXED: Lynis automatic HTML generation from actual terminal output
- FIXED: Lynis permission issues with report data file access
- FIXED: CIS-CAT now uses headless Java (-Djava.awt.headless=true)
- FIXED: CIS-CAT uses correct command syntax with sudo privileges
- FIXED: CIS-CAT HTML report generation now works properly
- NEW: Enhanced resource monitoring with CPU/Memory/Disk percentages
- Enhanced progress tracking for all operations
- Comprehensive system information collection with percentages

NOTES:

- This scan is for assessment purposes only
- No automatic remediation was performed
- Review HTML reports in browser for detailed findings
- XML files contain machine-readable results
- Resource usage tracked throughout scan process
- Consult security professionals for remediation guidance

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