

# Enhanced Security Scan Summary

## Report

Generated: Sun 20 Jul 12:04:51 BST 2025

Scan ID: 20250720 114954

System: Ubuntu 20.04.6 LTS Desktop



### System Resource Monitoring

Resource usage tracked throughout the security scanning process:

CPU Usage

Pre: 14.9%

**During: 81.2%** 

Post: 11.4%

Memory Usage

Pre: 49.8%

**During: 50.4%** 

Post: 47.6%

H Disk Usage

**Pre: 6%** 

**During: 6%** 

**Post: 6%** 

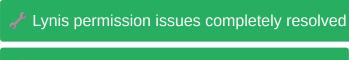


### Critical Fixes Applied



Lynis automatic HTML generation from actual terminal output

06/08/2025, 11:05



CIS-CAT headless Java integration working

CIS-CAT HTML report generation functional

Enhanced resource monitoring with percentages

Complete progress tracking throughout scan

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### **Scan Statistics**

HTML Reports Generated: 9 files

XML Results: 6 files

Total Files Created: 113 files

Total Disk Space Used: 105M

### **Complete Report Structure**

Enhanced Security Vulnerability Scan Summary Report

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Date: Sun 20 Jul 12:04:51 BST 2025 System: Ubuntu 20.04.6 LTS Desktop

Scan ID: 20250720\_114954

#### 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

2 of 4 06/08/2025, 11:05

- 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:

#### CPU Usage:

Pre-scan: 14.9%
During-scan: 81.2%
Post-scan: 11.4%

#### Memory Usage:

Pre-scan: 49.8%
During-scan: 50.4%
Post-scan: 47.6%

### Disk Usage (/):

Pre-scan: 6%
During-scan: 6%
Post-scan: 6%

#### **RESULTS LOCATION:**

- Project Directory: /home/gn/Desktop/project
- HTML Reports: Available in each tool's html/ subdirectory
- XML Results: Available in each tool's xml/ subdirectory
- System Info: /home/gn/Desktop/project/system\_info/
- Resource Monitoring: /home/gn/Desktop/project/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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3 of 4 06/08/2025, 11:05

4 of 4 06/08/2025, 11:05