🔓 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%

💾 Disk Usage

Pre: 6%

During: 6%

Post: 6%

🚀 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: 105M

📁 Complete Report Structure

```
=============================================
Enhanced Security Vulnerability Scan Summary Report
=============================================
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
```

```
                    - 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


                    ===============================================
```