

PyCyberShield

Security Assessment Report

Report Generated: 2025-08-29 11:42:45

Scan Timestamp: 2025-08-29T10:42:58.941450

Assessment Type: Comprehensive Security Scan

Report Version: 1.0

Overall Security Risk Level: **High**

Executive Summary

PyCyberShield conducted a comprehensive security assessment of the target environment. The assessment analyzed system processes, network configurations, and system logs to identify potential security risks and vulnerabilities. The overall security risk level is assessed as **High** based on 1 security findings across multiple categories. This assessment provides detailed analysis of system security, network vulnerabilities, and suspicious activities detected in system logs. Immediate attention should be given to high-risk findings, and all recommendations should be implemented according to organizational security policies and compliance requirements.

Risk Distribution Overview

Security Risk Distribution



Key Security Metrics

Metric	Value
Suspicious Processes	329
Unusual Open Ports	0
Brute Force Attacks	0
Suspicious Log Entries	0
Overall Risk Level	High

Detailed Security Findings

System Security Analysis

Analyzed 331 running processes, found 329 suspicious processes.

Suspicious Processes Detected:

- kthreadd (PID: 2, CPU: 0.0%)
- pool_workqueue_release (PID: 3, CPU: 0.0%)
- kworker/R-kvfree_rcu_reclaim (PID: 4, CPU: 0.0%)
- kworker/R-rcu_gp (PID: 5, CPU: 0.0%)
- kworker/R-sync_wq (PID: 6, CPU: 0.0%)
- kworker/R-slub_flushwq (PID: 7, CPU: 0.0%)
- kworker/R-netns (PID: 8, CPU: 0.0%)
- kworker/0:0H-events_highpri (PID: 10, CPU: 0.0%)
- kworker/R-mm_percpu_wq (PID: 13, CPU: 0.0%)
- rcu_tasks_kthread (PID: 14, CPU: 0.0%)

Network Security Analysis

No unusual open ports detected.

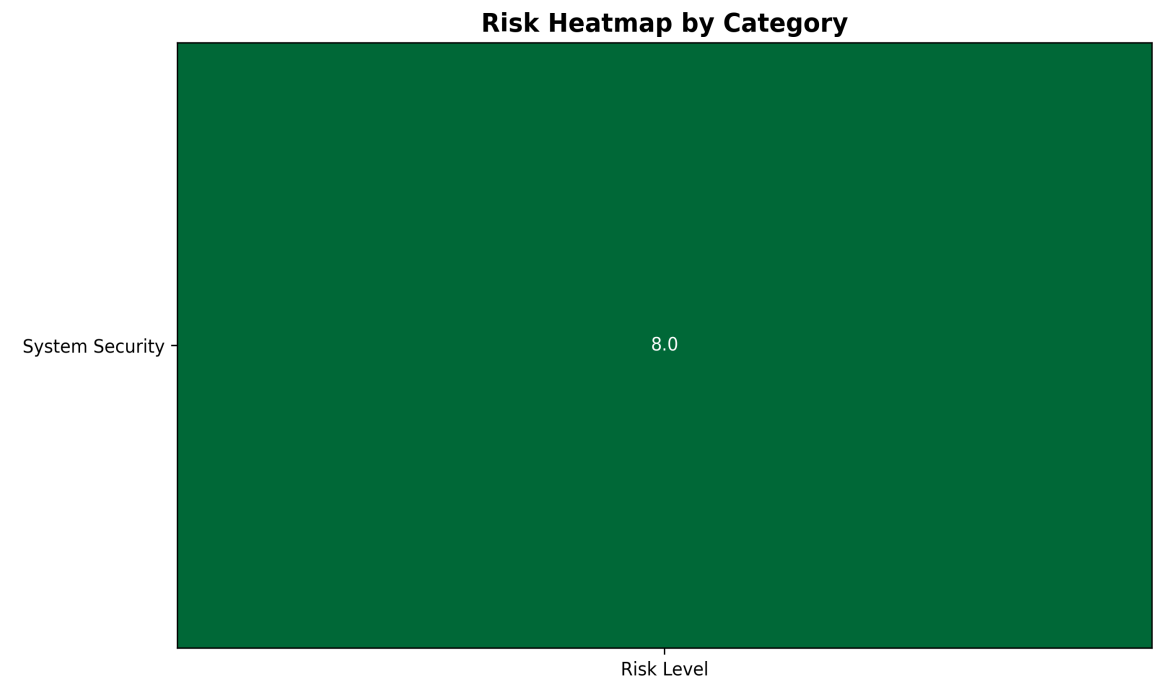
Log Analysis Results

Found 0 suspicious log entries and detected 0 brute force attacks.

Risk Assessment

Overall Risk Level: **High**

Risk Analysis by Category



Security Events Timeline

The following chart shows the timeline of security events detected during the assessment.



Compliance Mapping

Findings mapped to compliance frameworks:

Suspicious Processes

- ISO27001: Not Mapped
- NIST_CSF: Not Mapped

Security Recommendations

1. URGENT: Address all high-risk findings immediately.
2. Implement regular security monitoring and automated alerting systems.
3. Conduct periodic security assessments to identify new vulnerabilities.
4. Ensure all security services (firewall, antivirus) are active and updated.
5. Monitor system logs for suspicious activities and brute-force attacks.
6. Implement strong access controls and multi-factor authentication.
7. Regularly update and patch all system components and applications.
8. Establish incident response procedures for security events.
9. Provide security awareness training for all users.

Technical Appendix

This section contains detailed technical data from the security assessment.

Scan Summary:

- scan_completed: 2025-08-29T11:42:41.861864
- modules_run: ['system_security', 'network_security', 'log_analysis', 'risk_assessment', 'encryption']
- overall_status: completed
- output_directory: reports