

GRC Compliance Assessment Report

Report Type: ISO 31000 Risk Assessment

Generated Date: 2025-11-16

Tool Version: 1.0.0

Standards: ISO 31000:2018, ISO/IEC 27001, NIST CSF

Overall Risk Rating:
HIGH

Executive Summary

This report presents a comprehensive security assessment of your network infrastructure conducted on 2025-11-16. The assessment follows ISO 31000:2018 risk management standards and includes machine learning-based threat detection.

Key Findings

Metric	Count
Hosts Scanned	5
Vulnerabilities Found	12
Total Risks Identified	8
Critical Risks	2
High Risks	3
Threats Detected (ML)	4

■ **WARNING:** 2 critical risks require immediate attention!

Top Recommendations

1. Address all critical risks within 24 hours
2. Implement comprehensive patch management
3. Enhance access control mechanisms
4. Establish continuous monitoring
5. Conduct regular security assessments

Risk Assessment Details

Risk Distribution by Severity

Risk Level	Count
EXTREME	1
HIGH	2
MEDIUM	1

Top 10 Risks

- 1. Unauthorized access to web server**
Risk Level: EXTREME | CVSS Score: 9.8
Cause: Outdated Apache version with known vulnerabilities
- 2. SSH brute force attack**
Risk Level: HIGH | CVSS Score: 7.5
Cause: Weak SSH configuration
- 3. Data exfiltration via open port**
Risk Level: HIGH | CVSS Score: 7.0
Cause: Unnecessary open ports
- 4. Denial of service attack**
Risk Level: MEDIUM | CVSS Score: 5.5
Cause: Missing rate limiting

Vulnerability Details

CRITICAL Vulnerabilities (1)

CVE-2023-1234

Service: Apache | Port: 80

CVSS: 9.8

HIGH Vulnerabilities (1)

CVE-2023-5678

Service: OpenSSH | Port: 22

CVSS: 7.5

Mitigation and Remediation Plan

Immediate Actions (Within 24 hours)

Critical vulnerability in Apache

Timeframe: Within 24 hours

Estimated Effort: 2-4 hours

SSH hardening required

Timeframe: Within 48 hours

Estimated Effort: 1-2 hours

Remediation Project Plan

Total Duration: 2 weeks

Total Cost Estimate: \$5,000-\$10,000

Resources Required: 2 security engineers

Compliance Status

Requirement	Status
Context Established	✓
Risks Identified	✓
Risks Analyzed	✓
Risks Evaluated	✓
Mitigation Planned	✓

Overall ISO 31000:2018 Compliance: COMPLIANT