

PREDICTPATH AI

Cyber Security Strategic Audit Report

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CONFIDENTIAL - SOC AUDIT DOCUMENTATION

1. EXECUTIVE SUMMARY

This report summarizes a comprehensive cyber defense lifecycle conducted by the PredictPath AI suite. The analysis covers threat identification (Tool 2/3), strategic response planning (Tool 4), automated remediation generation (Tool 5), and governance oversight (Tool 6). All identified high-probability threats have been processed through the mitigation engine.

2. THREAT ANALYSIS & FORECASTING

Analysis Target: Activity on 172.20.192.1

Captured Weaknesses: None Identified

Analysis Target: Activity on System

Captured Weaknesses: CWE-434, CWE-306, CWE-94, CWE-200, CWE-77, CWE-89, CWE-20, CWE-78, CWE-284, CWE-285

Analysis Target: Activity on https://learning-digitech.vercel.app/

Captured Weaknesses: CWE-434, CWE-693, CWE-1021, CWE-200, CWE-89, CWE-20, CWE-287, CWE-615, CWE-78, CWE-525, CWE-284

Analysis Target: Activity on https://learning-digitech.vercel.app/assets/index-bkkz15b8.css

Captured Weaknesses: CWE-693, CWE-200, CWE-287, CWE-525, CWE-284, CWE-264

Analysis Target: Activity on https://learning-digitech.vercel.app/assets/index-d1dhjboy.js

Captured Weaknesses: CWE-693, CWE-287, CWE-615, CWE-284, CWE-264

Analysis Target: Activity on https://learning-digitech.vercel.app/robots.txt

Captured Weaknesses: CWE-693, CWE-200, CWE-287, CWE-525, CWE-284, CWE-264

Analysis Target: Activity on https://learning-digitech.vercel.app/sitemap.xml

Captured Weaknesses: CWE-434, CWE-693, CWE-200, CWE-89, CWE-20, CWE-287, CWE-615, CWE-78, CWE-525, CWE-284, CWE-264

3. RECOMMENDED MITIGATION STRATEGIES

ACTION: Disable Account on learning-digitech.vercel.app

Tactical Steps: Revoke all active tokens and sessions immediately. | Reset all associated secrets (passwords, MFA keys). | Conduct audit of last 24 hours of account history.

ACTION: Isolate Host on Unknown

Tactical Steps: Disconnect host from all internal and external networks. | For Cloud/Web assets: Suspend deployment or enable 'Maintenance

Mode' in console. | Scan all other hosts in the same segment for persistence.

ACTION: Enable Process Auditing on Activity on 172.20.192.1

Tactical Steps: Activate Sysmon or similar tool to track process creation. | Review command-line arguments for suspicious encoded strings. | Monitor for unauthorized use of living-off-the-land (LoTL) binaries.

4. REMEDIATION IMPLEMENTATION

Generated Remediation Package:

Final Artifact: PredictPath_Remediation_20260223_115638.ps1

Status: Context-Aware PowerShell Script & Tactical Guideline Generated.

5. GOVERNANCE POSTURE & TAKEAWAYS

System Trust State:

Active Model Version: v462e991f

Containment Threshold: 40.0%

Key Security Takeaways:

1. Attack Surface: Identified 50 distinct vulnerability matches across the analysis targets.
2. Defense Response: Generated 3 validated remediation actions covering Disable Account, Isolate Host, Enable Process Auditing.
3. Operational Status: Remediation package 'PredictPath_Remediation_20260223_115638.ps1' is staged for SOC deployment.
4. Continuous Monitoring: System trust is relaxing based on a success streak of 4 sessions.