NICE Challenge Project

Challenge Submission Report

Submission ID: 93913

Timestamp: 9/13/2023 8:30 PM UTC

Name: Jordan Calvert

Challenge ID: 151

Challenge Title: Vulnerability Scan Complete, Begin System Hardening [NG]

Scenario

In an attempt to mitigate security deficiencies, we recently requested a security scan within our network and the results are finally in. I'm passing them onto you so that you can correct or mitigate whatever deficiencies were found within said scan.
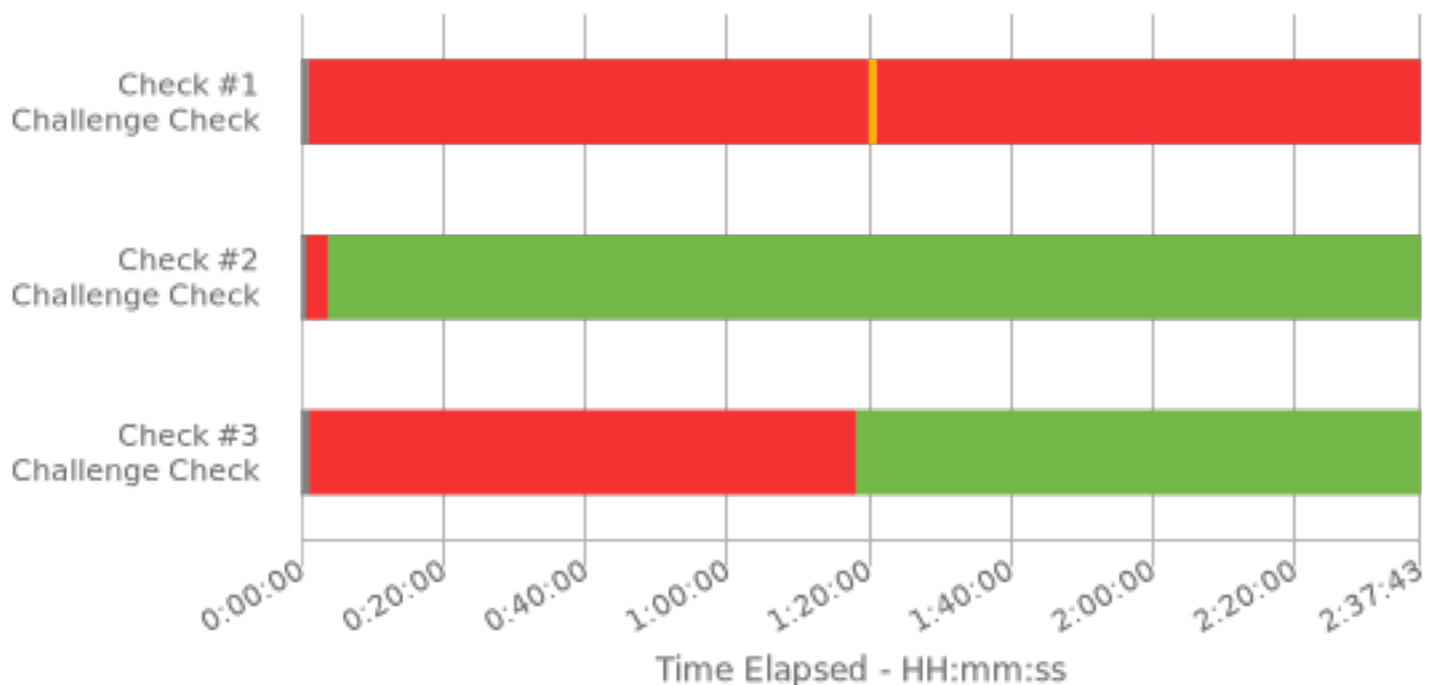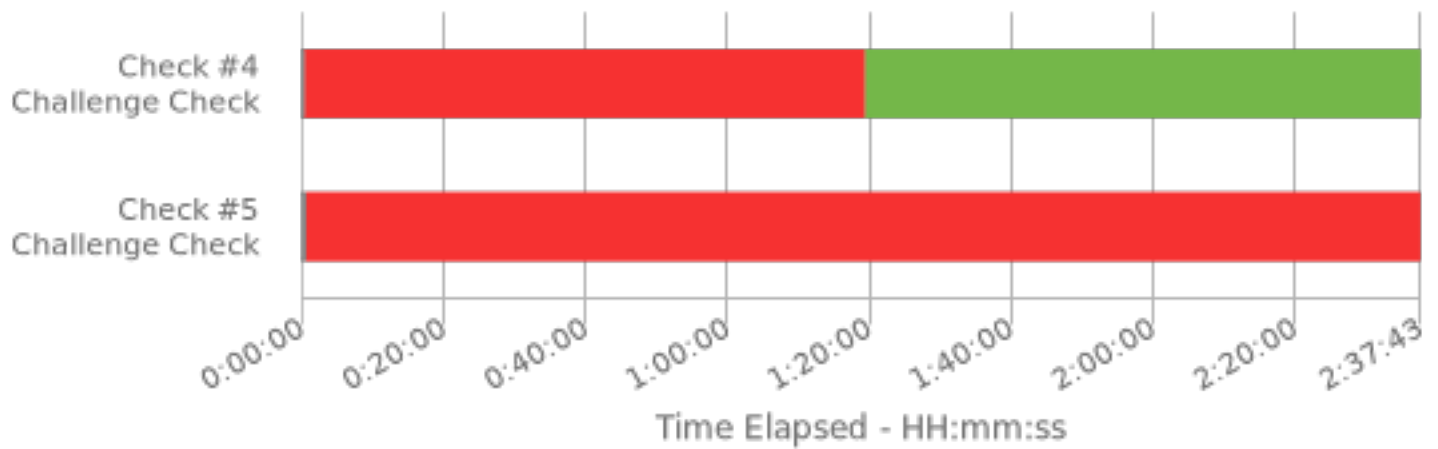
Duration

2:37

Full Check Pass

Partial: 3/5

Final Check Details

- ❌ Check #1: Fix SSH Problems
- ✅ Check #2: Vulnerable Shell Updated
- ✅ Check #3: Vulnerable FTP Updated
- ✅ Check #4: Vulnerable Samba Updated
- ❌ Check #5: Fix PHP Problems

Time Elapsed - HH:mm:ss

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Specialty Area

Systems Analysis

Work Role

Systems Security Analyst

NICE Framework Task

T0499 Mitigate/correct security deficiencies identified during security/certification testing and/or recommend risk acceptance for the appropriate senior leader or authorized representative.

Knowledge, Skills, and Abilities

• K0005 Knowledge of cyber threats and vulnerabilities.

• K0060 Knowledge of operating systems.

• K0290 Knowledge of systems security testing and evaluation methods.

• K0297 Knowledge of countermeasure design for identified security risks.

• S0036 Skill in evaluating the adequacy of security designs.

• S0141 Skill in assessing security systems designs.

• S0147 Skill in assessing security controls based on cybersecurity principles and tenets. (e.g., CIS CSC, NIST SP 800-53, Cybersecurity Framework, etc.).

• S0167 Skill in recognizing vulnerabilities in security systems. (e.g., vulnerability and compliance scanning).

Centers of Academic Excellence Knowledge Units

• Advanced Cryptography

• Basic Cryptography

• Cybersecurity Foundations

• Cybersecurity Principles

• Cyber Threats

• Operating Systems Administration