NICE Challenge Project

Challenge Submission Report

Submission ID: 92949

Timestamp: 9/5/2023 3:38 AM UTC

Name: Joshua Kisner

Challenge ID: 136

Challenge Title: Security Begins & Never Ends with Updates [NG]

Scenario

We recently did a network wide security audit and found a few things that need to be addressed as soon as possible. The domain controller, production web server, and the file share servers all have either outdated software packages critical to their function or access control misconfigurations which could lead to abuse. The engineers that did the audit will fill you in on the details.

Reviewed By: Solomon Zewde at Houston Community College

Duration

0:25

Full Check Pass

Full: 3/3

Final Check Details

- ✅ Check #1: Guest Admin Privileges Disabled
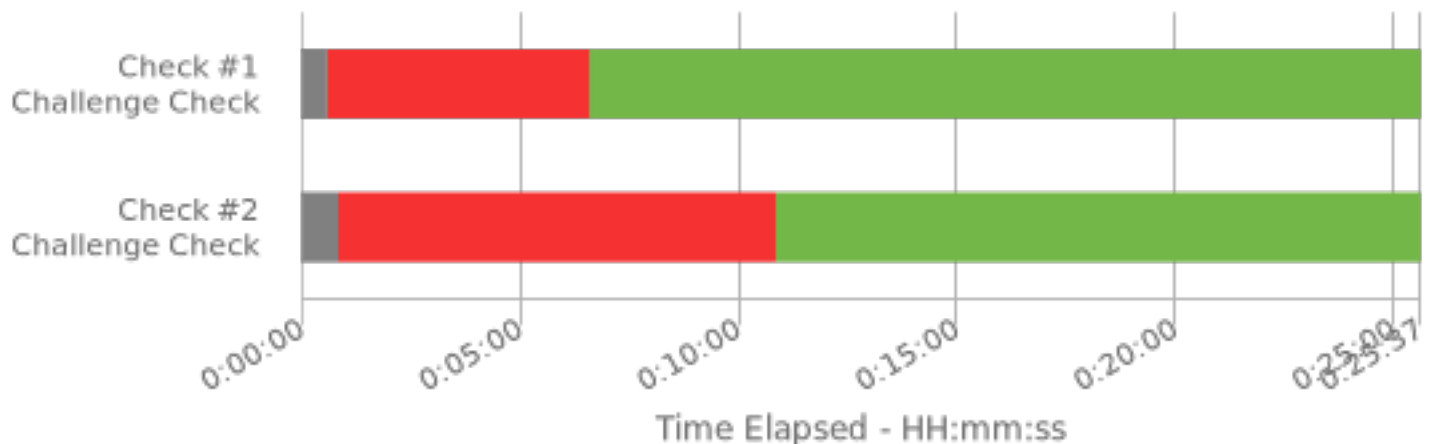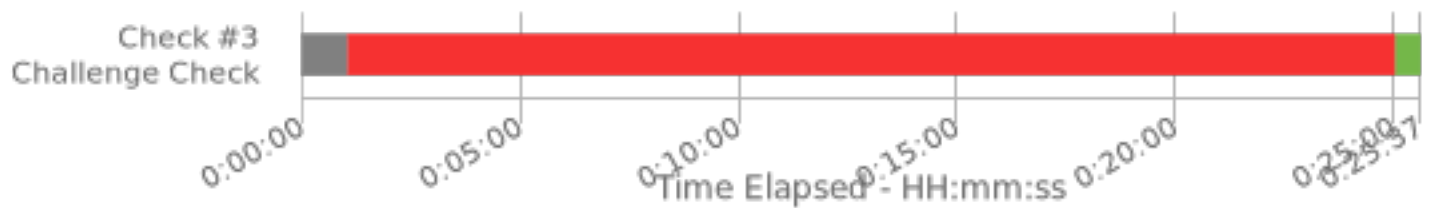- ✅ Check #2: Joomla Updated
- ✅ Check #3: Vulnerable FTP Updated

Curator Feedback

Well done!

Challenge Attempt Successful: ✔

Time Elapsed - HH:mm:ss

Specialty Area

Network Services

Work Role

Network Operations Specialist

NICE Framework Task

T0160 Patch network vulnerabilities to ensure that information is safeguarded against outside parties.

Knowledge, Skills, and Abilities

• A0058 Ability to execute OS command line (e.g., ipconfig, netstat, dir, nbtstat).

• K0005 Knowledge of cyber threats and vulnerabilities.

• K0038 Knowledge of cybersecurity and privacy principles used to manage risks related to the use, processing, storage, and transmission of information or data.

• K0049 Knowledge of information technology (IT) security principles and methods (e.g., firewalls, demilitarized zones, encryption).

• K0071 Knowledge of remote access technology concepts.

• K0076 Knowledge of server administration and systems engineering theories, concepts, and methods.

• K0160 Knowledge of the common attack vectors on the network layer.

• K0179 Knowledge of network security architecture concepts including topology, protocols, components, and principles (e.g., application of defense-in-depth).

• S0040 Skill in implementing, maintaining, and improving established network security practices.

Centers of Academic Excellence Knowledge Units

• Cybersecurity Foundations
• IT Systems Components
• Life-Cycle Security
• Network Defense
• Operating Systems Administration
• Operating Systems Concepts
• Operating Systems Hardening
• Operating Systems Theory
• Vulnerability Analysis