NICE Challenge Project

Challenge Submission Report

https://portal.nice-challenge.com/reports/verify/2C208-FD3C-57C23/

Submission ID: 99640

Timestamp: 11/14/2023 3:45 PM UTC

Name: Jordan Calvert

Challenge ID: 130

Challenge Title: Secure Domain Accounts & Passwords? Probably Worth [NG]

This report has not been published by a curator. The NICE Challenge Project cannot vouch for its accuracy.

Scenario

A couple of months ago our policy team came up with some new security policies to improve operational security at the company, you have been tasked with verifying that these policy guidelines are being enforced technically on our employee's Windows-based workstations that authenticate through the Domain Controller. If any of these new policies are not being enforced you will also be in charge of creating technical policies in form of a GPO on the Domain Controller to enforce these security policies.

Duration

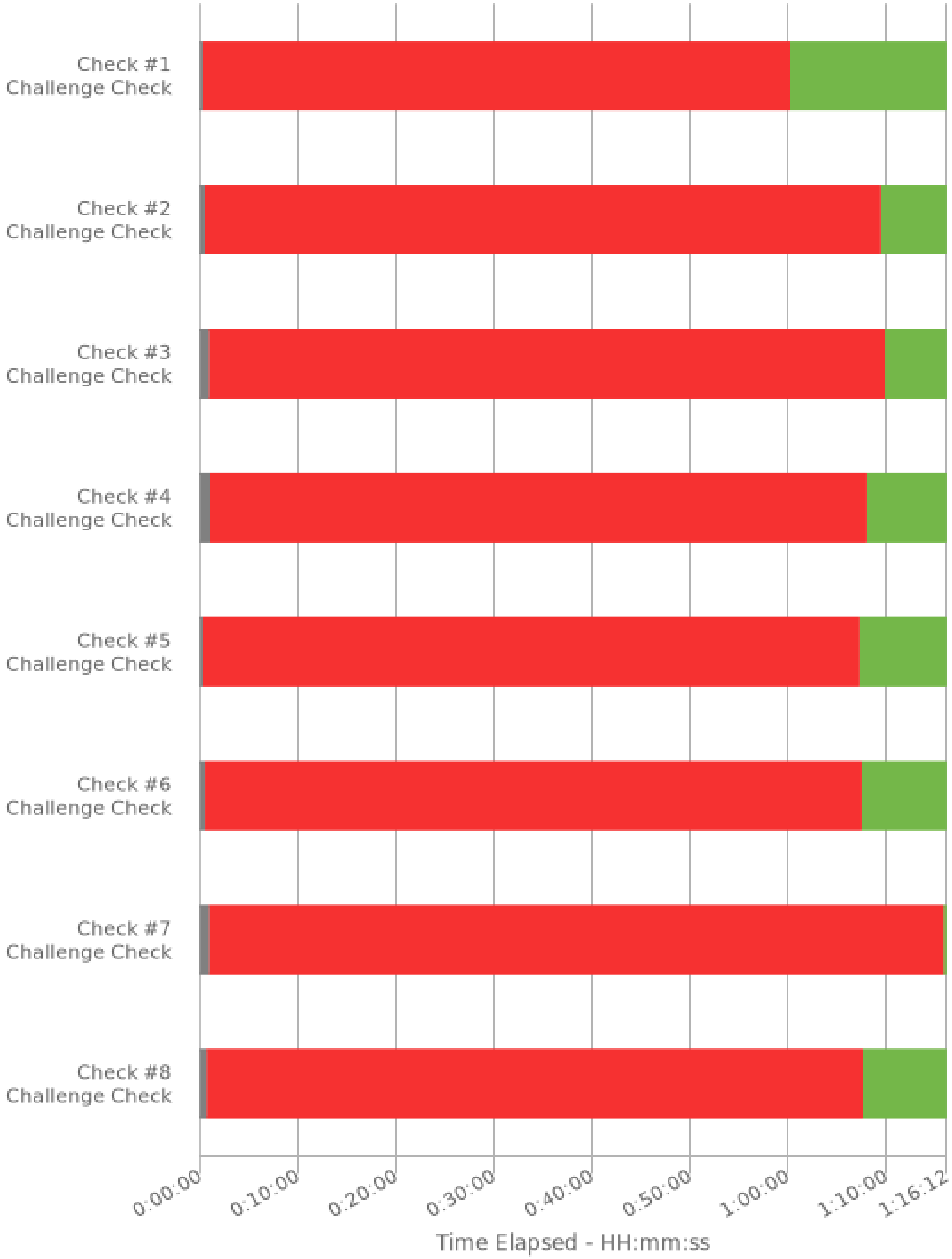
1:16

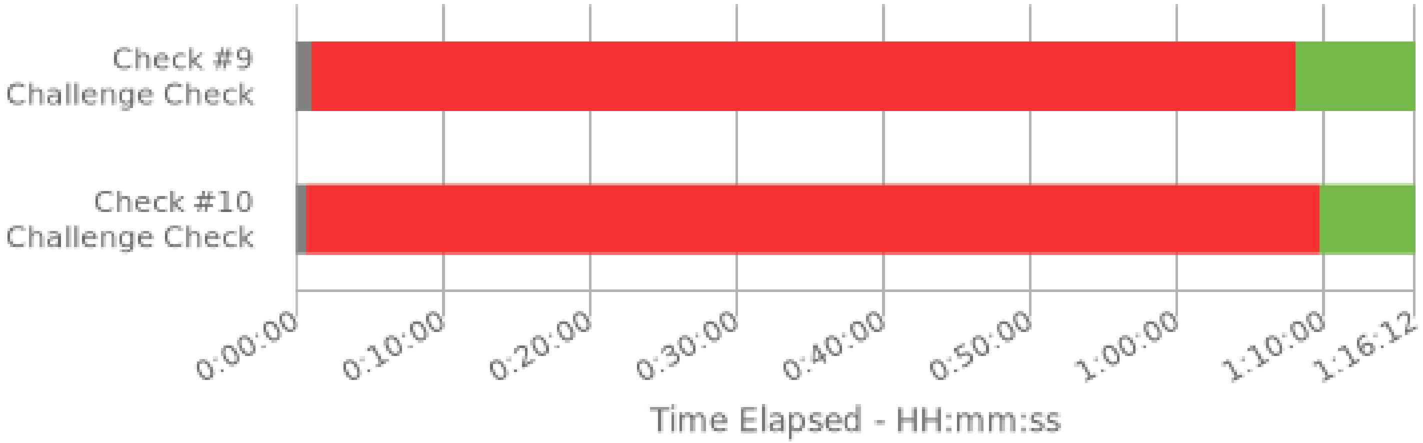
Full Check Pass

Full: 10/10

Final Check Details

- ✓ Check #1: DasPol GPO Created and Linked at Domain Level and Enforced [Approx. 3m Refresh]
- ✓ Check #2: Set Account Lockout Duration to Policy Defined Value [Approx. 3m Refresh]
- ✓ Check #3: Set Account Lockout Threshold to Policy Defined Value [Approx. 3m Refresh]
- ✓ Check #4: Set Maximum Password Age to Policy Defined Value [Approx. 3m Refresh]
- ✓ Check #5: Set Minimum Password Age to Policy Defined Value [Approx. 3m Refresh]
- ✓ Check #6: Set Minimum Password Length to Policy Defined Value [Approx. 3m Refresh]
- ✓ Check #7: Set Password History to Policy Defined Value [Approx. 3m Refresh]
- ✓ Check #8: Set Password Complexity Requirements to Policy Defined Value [Approx. 3m Refresh]
- ✓ Check #9: Set Stored Password Encryption Standard to Policy Defined Value [Approx. 3m Refresh]
- ✓ Check #10: Set Account Lockout Reset Counter to Policy Defined Value [Approx. 3m Refresh]


Check #1
Challenge Check
Check #2
Challenge Check
Check #3
Challenge Check
Check #4
Challenge Check
Check #5
Challenge Check
Check #6
Challenge Check
Check #7
Challenge Check
Check #8
Challenge Check
0:00:00
0:10:00
0:20:00
0:30:00
0:40:00
0:50:00
1:00:00
1:10:00
1:16:12
Time Elapsed - HH:mm:ss



Specialty Area

Systems Administration

Work Role

System Administrator

NICE Framework Task

T0136 Maintain baseline system security according to organizational policies.

Knowledge, Skills, and Abilities

- K0002 Knowledge of risk management processes (e.g., methods for assessing and mitigating risk).
- K0005 Knowledge of cyber threats and vulnerabilities.
- K0049 Knowledge of information technology (IT) security principles and methods (e.g., firewalls, demilitarized zones, encryption).
- K0077 Knowledge of server and client operating systems.
- K0088 Knowledge of systems administration concepts.
- K0100 Knowledge of the enterprise information technology (IT) architecture.
- K0158 Knowledge of organizational information technology (IT) user security policies (e.g., account creation, password rules, access control).
- K0167 Knowledge of system administration, network, and operating system hardening techniques.
- S0016 Skill in configuring and optimizing software.
- S0043 Skill in maintaining directory services. (e.g., Microsoft Active Directory, LDAP, etc.).
- S0076 Skill in configuring and utilizing software-based computer protection tools (e.g., software firewalls, antivirus software, anti-spyware).
- S0158 Skill in operating system administration. (e.g., account maintenance, data backups, maintain system performance, install and configure new hardware/software).

Centers of Academic Excellence Knowledge Units

- Cybersecurity Foundations
- Cybersecurity Principles
- IT Systems Components
- Operating Systems Administration
- Operating Systems Hardening