NICE Challenge Project

Challenge Submission Report

Submission ID: 72751

Timestamp: 7/31/2022 8:51 PM UTC

Name: Richard Compton

Challenge ID: 138

Challenge Title: The Network is Down! Internal Issues Edition [NG]

Scenario

Our staff have been having some issues reaching some of our internal web servers. We believe one of our former system administrators may have tampered with some of the settings applied to our systems before he was let go. We noticed when trying to access some of the internal services on the effected servers. Our Senior Systems Admin has assigned you the task of repairing the networking issues occurring on the servers. During his investigation of the issue he has stated the services on the servers are working as expected, they are just not being served to the internal network properly. He wants you to diagnose and repair the networking issues.
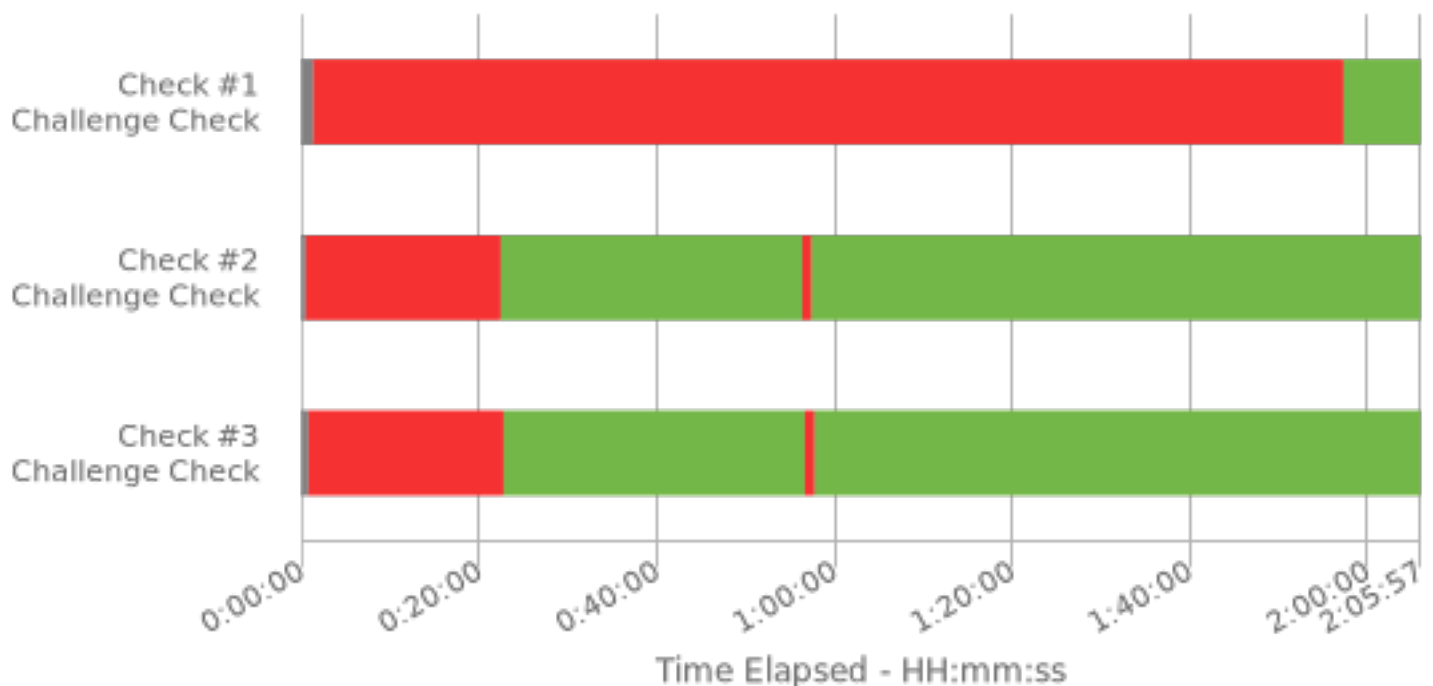
Duration

2:05

Full Check Pass

Full: 3/3

Final Check Details

- ✅ Check #1: IP Addresses Corrected for All Machines
- ✅ Check #2: AD Check 1
- ✅ Check #3: AD Check 2

Specialty Area

Network Services

Work Role

Network Operations Specialist

NICE Framework Task

T0081 Diagnose network connectivity problem.

Knowledge, Skills, and Abilities

• A0055 Ability to operate common network tools (e.g., ping, traceroute, nslookup).
• A0058 Ability to execute OS command line (e.g., ipconfig, netstat, dir, nbtstat).
• K0076 Knowledge of server administration and systems engineering theories, concepts, and methods.
• K0111 Knowledge of network tools (e.g., ping, traceroute, nslookup)
• K0332 Knowledge of network protocols such as TCP/IP, Dynamic Host Configuration, Domain Name System (DNS), and directory services.
• S0162 Skill in applying various subnet techniques (e.g., CIDR)

Centers of Academic Excellence Knowledge Units

• Basic Networking
• Network Technology and Protocols
• Windows System Administration