



NICE Challenge Project

Challenge Submission Report

<https://portal.nice-challenge.com/reports/verify/76A80-6A0C-5A88A/>

Submission ID: 59099

Timestamp: 11/24/2021 8:50 AM UTC

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Challenge ID: 82

Challenge Title: Security Begins & Never Ends with Updates:
Networking Edition



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

Scenario

Our networking equipment is dangerously out of date, and we need to update it as soon as possible. We need you to update the firewall and main router while minimizing down time of our access to the internet.

Duration

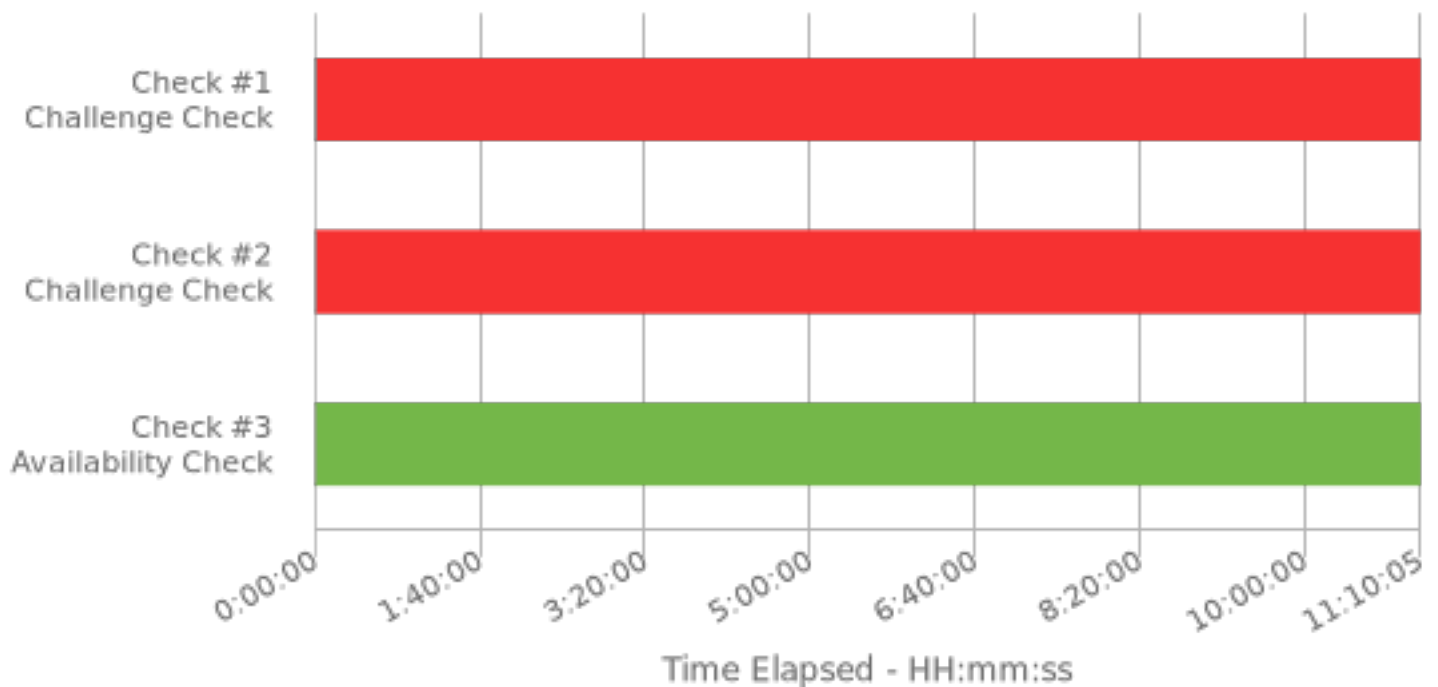
11:10

Final Check Details

- ✖ Check #1: pfSense Updated
- ✖ Check #2: VyOS Updated
- ✔ Check #3: Internet Accessible

Full Check Pass

Partial: 1/3



Specialty Area

Customer Service and Technical Support

Work Role

Technical Support Specialist

NICE Framework Task

T0125 Install and maintain network infrastructure device operating system software (e.g., IOS, firmware).

Knowledge, Skills, and Abilities

- K0001 Knowledge of computer networking concepts and protocols, and network security methodologies.
- K0004 Knowledge of cybersecurity and privacy principles.
- K0088 Knowledge of systems administration concepts.
- K0224 Knowledge of system administration concepts for operating systems such as but not limited to Unix/Linux, IOS, Android, and Windows operating systems.
- K0302 Knowledge of the basic operation of computers.

Centers of Academic Excellence Knowledge Units

- Basic Cyber Operations
- Basic Networking
- IT Systems Components
- Life-Cycle Security
- Network Security Administration
- Operating Systems Administration
- Operating Systems Concepts
- Operating Systems Hardening