



# NICE Challenge Project

## Challenge Submission Report

<https://portal.nice-challenge.com/reports/verify/0034A-8E01-61C0B/>

Submission ID: 59087

Timestamp: 11/23/2021 9:13 PM UTC

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Challenge ID: 22

Challenge Title: Linux Administration 101: Users, Access & Updates



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### Scenario

We recently acquired a new server, put a base Linux install on it, and put it in the production subnet. This new server is going to be our production web server and we need you to get it ready for prime time. Some basic accounts will need to be added to it and given the right level of authority. Also, the server needs to be updated to the latest base packages before we let the developers into it to start loading up their stuff.

### Duration

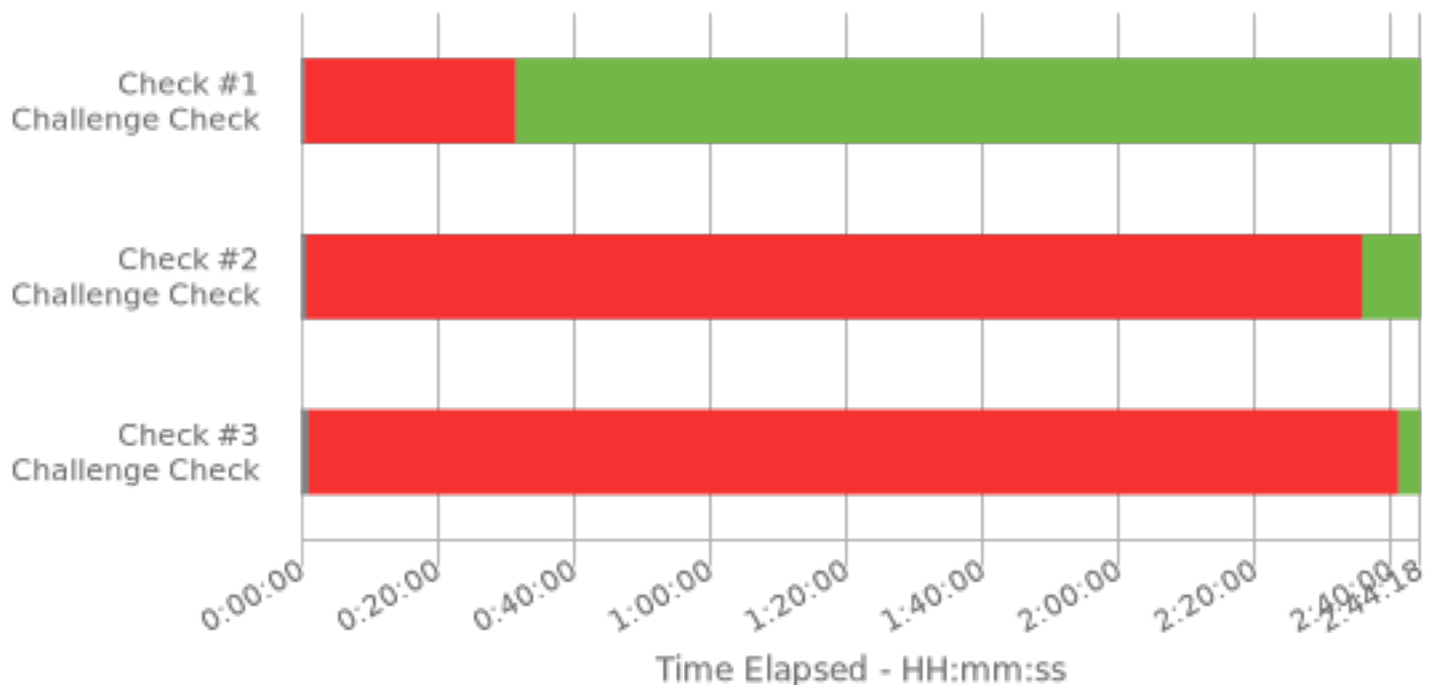
2:44

### Full Check Pass

Full: 3/3

### Final Check Details

- ✓ Check #1: Created Requested User Account
- ✓ Check #2: Gave New User Account SuperUser Privilege
- ✓ Check #3: System Updated



## Specialty Area

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Systems Administration

## Work Role

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System Administrator

## NICE Framework Task

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T0418 Install, update, and troubleshoot systems/servers.

## Knowledge, Skills, and Abilities

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- K0088 Knowledge of systems administration concepts.
- 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.
- K0318 Knowledge of operating system command-line tools.
- S0016 Skill in configuring and optimizing software.
- S0143 Skill in conducting system/server planning, management, and maintenance.
- S0144 Skill in correcting physical and technical problems that impact system/server performance.
- S0153 Skill in identifying and anticipating system/server performance, availability, capacity, or configuration problems.
- S0154 Skill in installing system and component upgrades. (i.e., servers, appliances, network devices).
- 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

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- Cybersecurity Foundations
- IT Systems Components
- Linux System Administration
- Operating Systems Concepts