

**LAB**

**LINUX SYSTEM ADMINISTRATION**

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VERSION 1

23-JUN-2024

**LAB:** LAB21-01

**OBJECTIVE**: The objective of this lab is to learn how to troubleshoot networking by running a script that will randomly break a network feature and repair that issue.

**INSTRUCTIONS**: These labs will test your ability to actively research how to perform a required action on a Linux operating system. All questions asked (below) should be included in a lab report. This lab report should be written in Microsoft Word and include a numbered list corresponding to the task (below). This list must include a clear screenshot of the command and its output. Please follow the instructions for submitting this assignment on Blackboard.

* You should be logged in as ***labuser1*** with the password ‘P@$$w0rd’
* You must be in the /labs folder to complete this lab.

**EXTRA CREDIT**

1. From the Linux server console, interrogate and record the network settings[[1]](#footnote-2).
2. Record the following information:

* Default Route(s).
* Network Device Name for the network interface.
* The network configuration file.
* The resolver configuration file.

**BREAK NETWORKING**

1. From the Linux server, type the following command ***sudo /labs/linux-labs -c 21 -b*** to break a networking feature.
2. Ensure that you record the networking feature number in case you require assistance from your instructor.
3. Document your troubleshooting steps carefully.

1. You will have to use the ***sudo*** command for these steps. [↑](#footnote-ref-2)