

Lab: Manage Files using Linux Commands (4)

Lab 1: Navigate Folders (1)

The screenshot shows a Windows desktop environment with several open windows. On the left, there's a 'Recycle Bin' icon and a 'Microsoft Edge' window showing the URL labclient.labondemand.com/LabClient/f6b0754f-63bf-4233-ab59-9b9bd3ce9713?rc=10. In the center, a terminal window titled 'tux@tuxbox: ~' shows the output of a command listing files in the /var/log directory. The output includes files like 'dovecot.log.2.gz', 'faillog', 'fontconfig.log', 'gpu-manager.log', 'lastlog', and various syslog files for users root, adm, and others. Below the terminal is a Notepad window titled 'Untitled - Notepad' containing a list of tasks for an 'Assisted Lab: Manage Files using Linux Command-line'. Task 11 instructs to use the 'ls -l /var/log' command to get a detailed listing. Task 12 asks what permissions are set on the 'syslog' file. The right side of the screen features a green sidebar for the lab session, showing '23 Minutes Remaining' and tabs for 'Instructions', 'Resources', and 'Help'. A progress bar indicates '26% Tasks Complete'.

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Recycle Bin

Microsoft Edge

Windows PowerShell

tux@tuxbox: ~

-rw-r--r-- 1 root root 107919 Jan 21 2022 dovecot.log.2.gz
-rw-r--r-- 1 root root 32032 Mar 11 2022 faillog
-rw-r--r-- 1 root root 10973 Jan 21 2022 fontconfig.log
drwxr-xr-x 2 root gdm 4096 Jul 12 2021 gpu-manager.log
-rw-r--r-- 1 root root 1301 Mar 11 2022 lastlog
drwxr-xr-x 3 root root 4096 Aug 19 2021 logrotate
drwxr-xr-x 2 root root 4096 Jan 21 2022 messages
drwxr-sr-x 3 root systemd-journal 4096 Jan 21 2022 syslog
-rw-r----- 1 syslog adm 529 Jun 28 21:36 kern.log
-rw-r----- 1 syslog adm 123957 Jun 28 21:36 kern.log.1
-rw-r----- 1 syslog adm 61990 Nov 16 2022 kern.log.2.gz
-rw-r----- 1 syslog adm 61739 Mar 11 2022 kern.log.3.gz
-rw-r----- 1 syslog utmp 292292 Jun 28 21:38 lastlog
root 4096 Jul 19 2021 logrotate
root 4096 Aug 19 2021 messages
root 4096 Jan 19 2020 messages-20190101
adm 33427 Jun 28 21:41 syslog
adm 195191 Jun 28 21:36 syslog.1
adm 144628 Nov 16 2022 syslog.2.gz
adm 121873 Mar 11 2022 syslog.3.gz
root 0 Aug 19 2021 ubuntu-advantage.log
root 0 Jun 28 21:36 ubuntu-advantage-timer.log
root 157 Nov 16 2022 ubuntu-advantage-timer.log.1
root 114 Mar 11 2022 ubuntu-advantage-timer.log.2.gz
root 114 Jan 21 2022 ubuntu-advantage-timer.log.3.gz
root 4096 Nov 16 2022 vmblock.log
root 597 Nov 16 2022 vmware-network.1.log
root 717 Mar 11 2022 vmware-network.2.log
root 697 Mar 11 2022 vmware-network.3.log
root 717 Feb 27 2022 vmware-network.4.log
root 697 Feb 27 2022 vmware-network.5.log
root 717 Jan 21 2022 vmware-network.6.log
root 697 Jun 28 21:36 vmware-network.log
root 2691 Nov 16 2022 vmware-vmsvc-root.1.log
root 2758 Mar 11 2022 vmware-vmsvc-root.2.log
root 2394 Mar 11 2022 vmware-vmsvc-root.3.log
root 1765 Jun 28 21:36 vmware-vmsvc-root.log
root 1490 Jun 28 21:38 vmware-vmtoolsd-root.log
root 14592 Jun 28 21:38 wtmp

* Untitled - Notepad

File Edit Format View Help

1:42 AM 6/29/2023 Zhaire T Robinson

Ln 1 100% Windows (CRLF) UTF-8

Assisted Lab: Manage Files using Linux Command-line

23 Minutes Remaining

Instructions Resources Help

② The previous command's output displays all the files and directories located in /var/log. Directories are highlighted in blue.

11. To obtain a more detailed listing of the files contained in /var/log, type ls -l /var/log and press ENTER.

③ The previous command's output displays the permissions, owner, group, size, and date for the files and folders located in /var/log. The first column shows the permissions assigned to the user (owner), group, and others (everyone else.) The first character is "-" for a file and "d" for a directory. Permissions are listed as rwx, or read, write, execute. A "r"- means the permission is not enabled.

12. What are the permissions set on the file syslog?

-rwxrwxrwx

-rw-r-----

drwxr-xr-x

-rw-rw-rw-

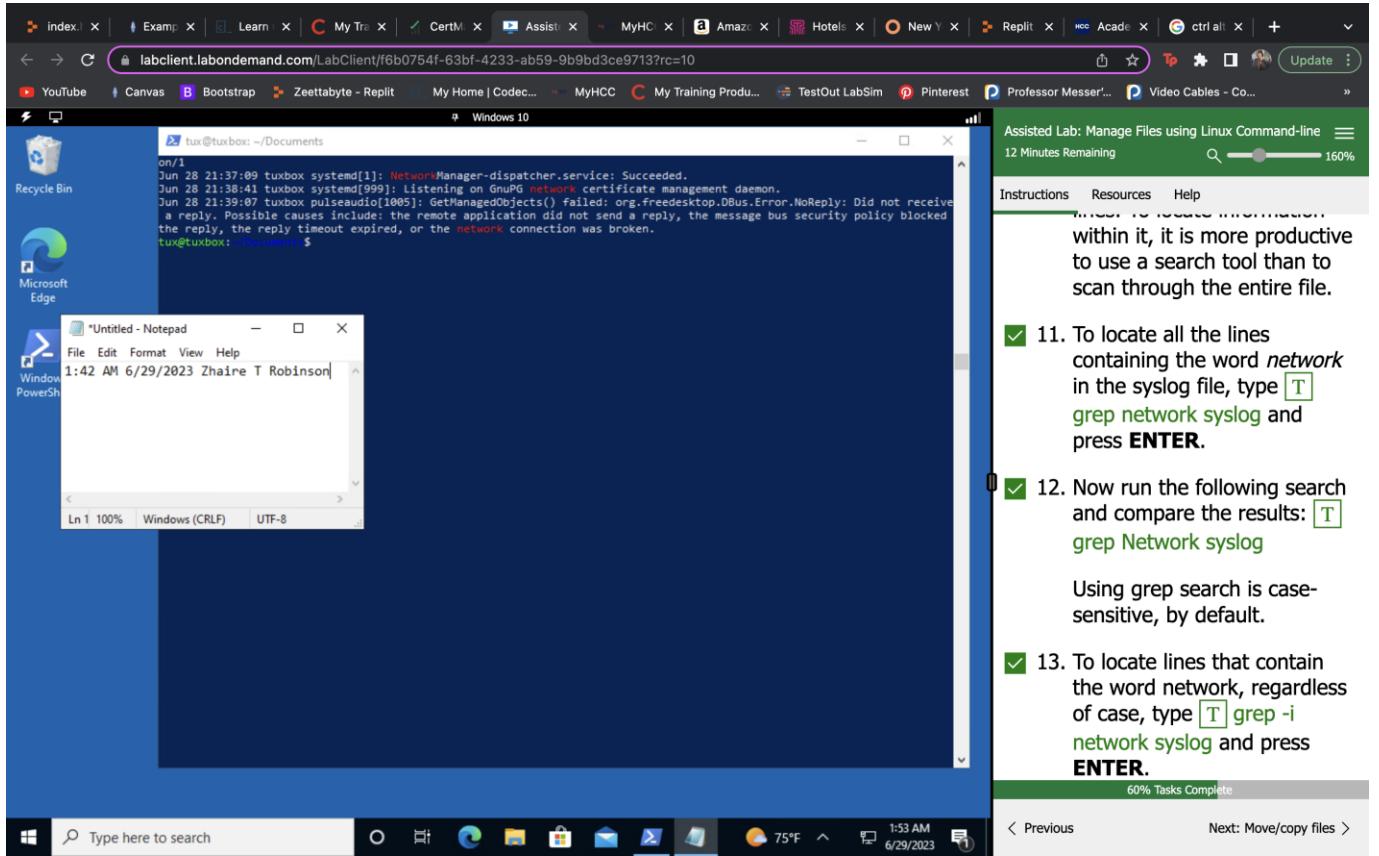
Score

Correct

26% Tasks Complete

Lab 2: Manage Files (1)

Located lines that contain the word network, regardless of case, by typing grep -i network syslog and pressing ENTER.



Lab 3: Move/Copy Files (1)

Using Linux command cd Journal to move from the /home/tux/Documents directory to the /home/tux/Documents/Journal directory

11. To locate all the lines containing the word *network* in the syslog file, type **grep network syslog** and press **ENTER**.

12. Now run the following search and compare the results: **grep Network syslog**

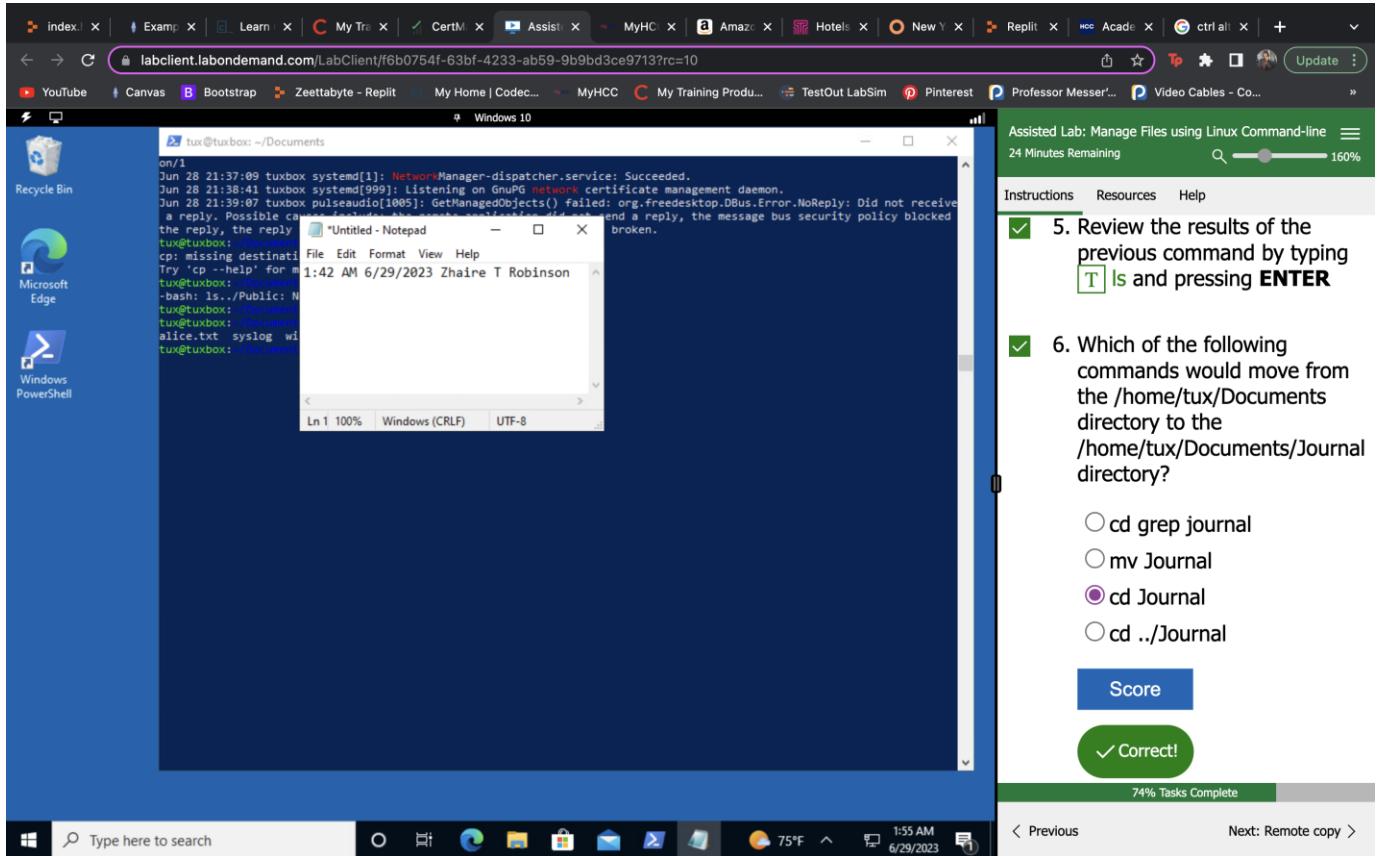
Using grep search is case-sensitive, by default.

13. To locate lines that contain the word *network*, regardless of case, type **grep -i network syslog** and press **ENTER**.

60% Tasks Complete

< Previous

Next: Move/copy files >



Lab 4: Remote Copy (1)

Validated this task.

The screenshot shows a Windows 10 desktop environment. In the center, a Windows PowerShell window is open, displaying a command-line session. The user has run several commands related to file transfer and viewing logs:

```
on/1
Jun 28 21:37:09 tuxbox systemd[1]: NetworkManager-dispatcher.service: Succeeded.
Jun 28 21:38:41 tuxbox systemd[999]: Listening on GnuPG network certificate management daemon.
Jun 28 21:39:07 tuxbox pulseaudio[1005]: GetManagedObjects() failed: org.freedesktop.DBus.Error.NoReply: Did not receive a reply. Possible causes include: the remote application did not send a reply, the message bus security policy blocked the reply, the reply timeout expired, or the network connection was broken.
tux@tuxbox:~/Documents$ cp winnie.txt../Public
cp: missing destination file operand after 'winnie.txt'../Public'
Try 'cp --help' for more information.
tux@tuxbox:~/Documents$ ls../Public
tux@tuxbox:~/Documents$ mv winnie.txt winnie-the-pooh.txt
tux@tuxbox:~/Documents$ ls
alice.txt syslog winnie-the-pooh.txt
tux@tuxbox:~/Documents$ exit
logout
Connection to 192.168.1.201 closed.
PS C:\Users\Morgan> cd Desktop
PS C:\Users\Morgan\Desktop> scp tux@192.168.1.201:/home/tux/Documents .
tux@192.168.1.201's password:
scp: /home/tux/Documents: not a regular file
PS C:\Users\Morgan\Desktop> scp tux@192.168.1.201:/home/tux/Documents* .
tux@192.168.1.201's password:
scp: /home/tux/Documents: not a regular file
PS C:\Users\Morgan\Desktop> scp tux@192.168.1.201:/home/tux/Documents*
usage: scp [-3468CpqRTrV] [-c cipher] [-F ssh_config] [-i identity_file]
          [-J destination] [-l limit] [-o ssh_option] [-P port]
          [-S program] source ... target
PS C:\Users\Morgan\Desktop>
```

Below the PowerShell window, a Notepad window titled "Untitled - Notepad" is open, showing the text "1:42 AM 6/29/2023 Zhaire T Robinson".

To the right of the desktop, there is a browser-based interface for an "Assisted Lab: Manage Files using Linux Command-line". The interface includes a sidebar with "Instructions" and "Resources", and a main area with a "Task" card:

Task 5: Verify the files copied successfully by opening them.

Details: As the syslog file does not have an extension, Windows prompts you to select an application. Choose **Notepad**.

Task 6: Select the Score button to validate this task:

Score

88% Tasks Complete