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**NDG ONLINE**

**NDG LINUX ESSENTIALS**

**Challenge C: Log File Archiving**

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This challenge lab is designed as an extension of the course, to be used for instructor-led training. Instructors may distribute this lab to students as a supplemental assignment.

An answer key is included at the end of the lab, to assist the instructor in evaluating student deliverables.

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**Case Scenario**

There has been suspicious activity on the system. In order to preserve log information, it will be necessary to archive the current files in **/var/log** ending with the ".log" extension. The files are to be saved to a file named **log.tar**, stored in the directory, **~/archive**.

It has also been requested that the files that were archived be saved to a directory, **~/backup**.

**Objectives**

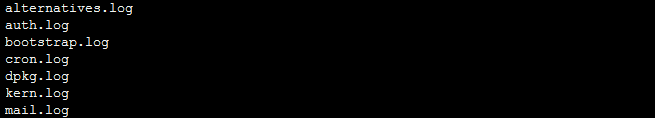
* Create an archive named **log.tar** that is stored in the archive directory located in the home directory.
* Remove path names from the files that are archived.
* Produce verbose output while archiving.
* List the contents of the archive without extracting.
* Extract the files to the directory, **~/backup**.

**Curriculum Resources**

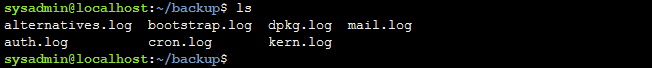
* Module 5 - Getting Help
* Module 6 - Working with Files and Directories
* Module 7 - Archiving and Compression

**Deliverables**

* Provide the final commands for successful completion.
* Provide screen captures of the commands required to complete the tasks.
* The final result of the archive listing should match the following:

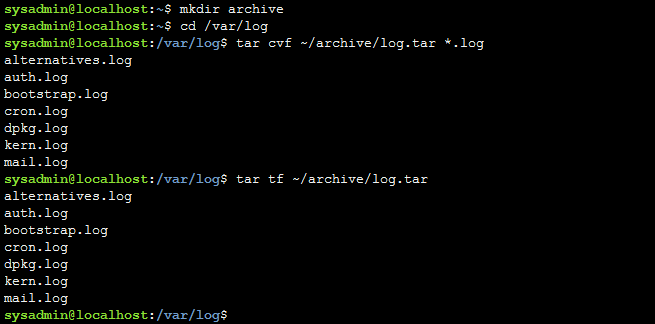


* The final result of the listing of the backup directory should match the following:



**Instructor Key**

Below are screenshots of the commands that can be used to accomplish this lab, as well as the commands used to verify the objectives.



The easiest way to remove the path names is to work from the directory where the files to be archived are located. Since the files are being created in the user’s home directory, there is no need to elevate privileges.

The screen captures below reflect the extraction of the files to the backup directory.

