

LINUX Essentials – Final Certification Exercise

You will be writing a letter to NWSTC for evaluation.

- 1) One thing you'll need to provide in our letter is a return address – this system's address the system's host-name. You'll want to look up this information before editing your letter. (Hint: There are a couple of ways to identify this information, but one of them involves a *variable* that is already set for you, *part* of this is right before your eyes.)
- 2) You'll also need the nwstc address. But in an unfortunate case akin to the dog ate my homework – your dragon ate the address. Find him/her (no one know how to tell the gender of a dragon) and look at his/her stomach contents, then make note of the NWSTC address.
- 3) We assume the drago-the-dragon didn't give up his contents easily so it's appropriate to rename him/her to "dead.dragon"
- 4) Now you need paper. (There is actually a file named 'paper' that serves as NWSTC letterhead in a room in your house) Locate the room that has 'paper'.
- 5) Take 1 piece of paper to use for a letter to nwstc – (copy the paper file to a File named "lettertonwstc".
- 6) Now it seems like a good time and a good place to take a nap before writing your letter – do this by logging off then logging back in (this is necessary to ensure your command history is properly recorded).
- 7) Now that your awake (logged back on the system) - Write a long letter which details much of your work – your history. Recall that your history can be provided on the command line or reviewed in a stored file in your home directory. In either case tell your story by appending the last 40 lines of your history into the located 'paper' (file). (hint – double redirection to append it onto the lettertonwstc).

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8) Now that your story is told – write addressing information on the paper

\$ vi lettertonwstc

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~
~
~
~

Apaper@

9) On the first line of the letter head :

- insert the word To: at the beginning of the line
- and change the word “staff” to “Administrator”.

10) Between the 2nd and 3rd lines of the file insert the address found in drago-the-dragon’s (stomach) contents

11) On the fifth line insert the word “from”

12) In the letter on the sixth line insert your login name

13) In the letter write on the seventh line your e-mail address

14) In the letter on the eighth line write your full name

15) On the ninth line write in the host name value you identified in step 1

(you are done writing and addressing your letter – if somewhere along the way
You believe you messed it up you can start again with a clean sheet of “paper”)

16) Put (copy/move) your “lettertonwstc” in your “mail_box” (directory).

17) Make sure that only you can modify your letter (file permissions -rw); that anyone in your group can read the letter(r) ; but public/other/everyone has no access.

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- 18) Have the mail-carrier pick up the mail – do this by running the script in your home directory called **mailcarrier.sh** . This script verifies the complete content and proper format of your lettertonwstc file. The file must also be named and located properly in the mail_box directory for the script to succeed and generate a record of success.

(If the script fails... troubleshoot your file first and then rerun the mailcarrier.sh script. If it continues to fail for undeterminable reasons, then contact Dave Rowell, or Jim Totusek, or Jim Kaplafka at NWSTC via e-mail or call 816-880-9594. Likely you will be asked to go to the mail_box directory and mail your lettertonwstc file to one of the above NWSTC staff members. Example:

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$ mail dave.rowell@noaa.gov< lettertonwstc
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)
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At this point you're done. You'll be contacted if there are any problems otherwise, assume all is well and the administrative staff at NWSTC will be notified of your certification for the course.

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