**Review Test Submission: Lab 4**

**Content**

|  |  |
| --- | --- |
| **User** | Aman Altaf Multani |
| **Course** | 17W\_CST8102\_300 Operating Systems Fund (GNU/Linux) |
| **Test** | Lab 4 |
| **Started** | 1/30/17 10:10 AM |
| **Submitted** | 2/10/17 7:04 PM |
| **Due Date** | 2/10/17 11:59 PM |
| **Status** | Completed |
| **Attempt Score** | 59 out of 65 points |
| **Time Elapsed** | 272 hours, 53 minutes |
| **Results Displayed** | All Answers, Submitted Answers, Correct Answers |

* **Question 1**

48 out of 54 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | ***Exercise #1: Testing permissions***  While logged in as a regular user, use the following command to create a directory named **top**in the user's home directory:  **$ mkdir -p /home/user/lab4/top**  Follow the instructions below to complete **Table #1**.   * 1. Change the permission of the **top**directory using the **chmod**command. The exact command is given in the second column of the table.   2. Execute the commands listed in the first row (started with the third column) for that permission level. For each command line document whether the command line executes successfully or not: Use **PD** for Permission Denied, **OK** for success, **NF** for "No such file or directory"   The commands are:   * 1. **$ ls -l top**   2. **$ mkdir top/sub**   3. **$ rmdir top/sub**   4. **$ cd top**   5. **$ cd .. *(Execute this ONLY if your current directory is top!)***   Follow the above procedure for each row of the table (row 1 to 8).  **Note:** Before you run each **chmod** command in the table below, make sure your current directory is **~/lab4**.  **Table #1: *Testing Directory Permissions***   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Row #** | **Command line to modify permissions** | **ls -l top** | **mkdir top/sub** | **rmdir  top/sub** | **cd top** | | **1** | **chmod u+r-w+x top** | **[a1]** | **[a2]** | **[a3]** | **[a4]** | | **2** | **chmod u-r+wx top** | **[b1]** | **[b2]** | **[b3]** | **[b4]** | | **3** | **chmod u+rw-x top** | **[c1]** | **[c2]** | **[c3]** | **[c4]** | | **4** | **chmod u-rw+x top** | **[d1]** | **[d2]** | **[d3]** | **[d4]** | | **5** | **chmod u-r+w-x top** | **[e1]** | **[e2]** | **[e3]** | **[e4]** | | **6** | **chmod u+r-wx top** | **[f1]** | **[f2]** | **[f3]** | **[f4]** | | **7** | **chmod u-rwx top** | **[g1]** | **[g2]** | **[g3]** | **[g4]** | | **8** | **chmod u+rwx top** | **[h1]** | **[h2]** | **[h3]** | **[h4]** |   ***Exercise #2: Viewing a user's default permissions***  Login as regular **user**.   * 1. Type **umask** and record the output of the command: **[a]**   2. Based on the **umask**, what are the default permissions for directories and files in octal mode:   3. Directory: **[b]**   4. File: **[c]**   5. Verify it by creating a new file with the **touch**command.   6. Record the default permissions set on the file in symbolic mode: **[d]**   7. What are the default permissions set on the file in octal mode: **[e]**   8. Verify it by creating a new directory with the **mkdir**command.   9. Record the default permissions set on the file in symbolic mode: **[f]**   10. What are the default permissions set on the file in octal mode: **[g]**   ***Exercise #3: Changing default permissions***   * 1. Set the **umask** to 044, record the command you use **[h]**   2. Type **umask**and record the output of the command: **[i]**   3. Based on the **umask**, what are the default permissions for directories and files in octal mode:   4. Directory: **[j]**   5. File: **[k]**   6. Verify it by creating a new file.   7. Record the default permissions set on the file in symbolic mode: **[l]**   8. What are the default permissions set on the file in octal mode: **[m]**   9. Verify it by creating a new directory.   10. Record the default permissions set on the directory in symbolic mode: **[n]**   11. What are the default permissions set on the directory in octal mode: **[o]**   ***Exercise #4: Creating new users***  Create two user accounts with the following commands:   * 1. **$ su root**   2. **$ useradd -m -d /home/user1 user1**   3. **$ useradd -m -d /home/user2 user2**   4. **$ passwd user1** *(Type in a password when prompted. If you do not type the username after the* ***passwd****command, you'll be changing the root password!)*   5. ***$ passwd user2***   ***Exercise #5: Creating a shared directory***  **$ mkdir /shared**   * 1. Who is the owner of the /shared directory? **[p]**   2. What is the group name of the /shared directory? **[q]**   Give full permissions (in octal form) to the /shared directory for all users and record the command you use: **[r]**  ***Exercise #6: Making changes from user1***   * 1. **$ su user1**   2. **$ cd /shared**   3. **$ cat > plan** *(Input "this is a test" at the blinking cursor. Press* ***ctrl + d*** *when you're done.)*   4. Who is the owner of the "plan" file? **[s]**   5. What is the group name of the "plan" file? **[t]**   6. **$ chmod o-rwx /shared/plan***(Make sure that* ***others*** *have no permissions. Verify with* ***ls -l****that you achieved the desired result.)*   ***Exercise #7: Making changes from user2***  Login as **user2**and try to modify the file by using the following commands:   * 1. **$ su root**   2. **$ chown user2.user2 /shared/plan**   Record the message: **[u]**  ***Exercise #8: Changing file ownership***  Login as root and change the ownership of "plan" to **user2**using the following commands:   * 1. **$ su root**   2. **chown user2.user2 /shared/plan**   Verify that **user2**is the owner of "plan" and record the command used: **[v]** |  |  |  |
| |  |  | | --- | --- | | Specified Answer for: a1 | CorrectOK | | Specified Answer for: a2 | CorrectPD | | Specified Answer for: a3 | CorrectNF | | Specified Answer for: a4 | CorrectOK | | Specified Answer for: b1 | IncorrectOK | | Specified Answer for: b2 | CorrectOK | | Specified Answer for: b3 | CorrectOK | | Specified Answer for: b4 | CorrectOk | | Specified Answer for: c1 | CorrectOK | | Specified Answer for: c2 | CorrectPD | | Specified Answer for: c3 | CorrectPD | | Specified Answer for: c4 | CorrectPD | | Specified Answer for: d1 | CorrectPD | | Specified Answer for: d2 | CorrectPD | | Specified Answer for: d3 | CorrectNF | | Specified Answer for: d4 | CorrectOK | | Specified Answer for: e1 | CorrectPD | | Specified Answer for: e2 | CorrectPD | | Specified Answer for: e3 | CorrectPD | | Specified Answer for: e4 | CorrectPD | | Specified Answer for: f1 | CorrectOK | | Specified Answer for: f2 | CorrectPD | | Specified Answer for: f3 | CorrectPD | | Specified Answer for: f4 | CorrectPD | | Specified Answer for: g1 | IncorrectOK | | Specified Answer for: g2 | CorrectPD | | Specified Answer for: g3 | CorrectPD | | Specified Answer for: g4 | CorrectPD | | Specified Answer for: h1 | CorrectOK | | Specified Answer for: h2 | CorrectOK | | Specified Answer for: h3 | CorrectOK | | Specified Answer for: h4 | CorrectOK | | Specified Answer for: a | Correct0002 | | Specified Answer for: b | Correct775 | | Specified Answer for: c | Correct664 | | Specified Answer for: d | Incorrect-rw-rw-r-- | | Specified Answer for: e | Correct664 | | Specified Answer for: f | Correctdrwxrwxr-x | | Specified Answer for: g | Correct775 | | Specified Answer for: h | Correctumask 044 | | Specified Answer for: i | Incorrect0044 | | Specified Answer for: j | Correct733 | | Specified Answer for: k | Correct622 | | Specified Answer for: l | Incorrect-rw--w--w- | | Specified Answer for: m | Correct622 | | Specified Answer for: n | Correctdrwx-wx-wx | | Specified Answer for: o | Correct733 | | Specified Answer for: p | Correctroot | | Specified Answer for: q | Correctroot | | Specified Answer for: r | Incorrectchmod 777/shared | | Specified Answer for: s | Correctuser1 | | Specified Answer for: t | Correctuser1 | | Specified Answer for: u | Correct-su:/shared/plan:Permission denied | | Specified Answer for: v | Correctls -l |  |  | | --- | | **Correct Answers for: a1** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | OK |  |  |  | | --- | | **Correct Answers for: a2** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | PD |  |  |  | | --- | | **Correct Answers for: a3** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | NF |  |  |  | | --- | | **Correct Answers for: a4** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | OK |  |  |  | | --- | | **Correct Answers for: b1** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | PD |  |  |  | | --- | | **Correct Answers for: b2** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | OK |  |  |  | | --- | | **Correct Answers for: b3** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | OK |  |  |  | | --- | | **Correct Answers for: b4** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | OK |  |  |  | | --- | | **Correct Answers for: c1** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | OK |  |  |  | | --- | | **Correct Answers for: c2** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | PD |  |  |  | | --- | | **Correct Answers for: c3** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | PD |  |  |  | | --- | | **Correct Answers for: c4** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | PD |  |  |  | | --- | | **Correct Answers for: d1** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | PD |  |  |  | | --- | | **Correct Answers for: d2** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | PD |  |  |  | | --- | | **Correct Answers for: d3** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | NF |  |  |  | | --- | | **Correct Answers for: d4** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | OK |  |  |  | | --- | | **Correct Answers for: e1** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | PD |  |  |  | | --- | | **Correct Answers for: e2** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | PD |  |  |  | | --- | | **Correct Answers for: e3** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | PD |  |  |  | | --- | | **Correct Answers for: e4** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | PD |  |  |  | | --- | | **Correct Answers for: f1** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | OK |  |  |  | | --- | | **Correct Answers for: f2** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | PD |  |  |  | | --- | | **Correct Answers for: f3** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | PD |  |  |  | | --- | | **Correct Answers for: f4** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | PD |  |  |  | | --- | | **Correct Answers for: g1** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | PD |  |  |  | | --- | | **Correct Answers for: g2** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | PD |  |  |  | | --- | | **Correct Answers for: g3** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | PD |  |  |  | | --- | | **Correct Answers for: g4** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | PD |  |  |  | | --- | | **Correct Answers for: h1** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | OK |  |  |  | | --- | | **Correct Answers for: h2** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | OK |  |  |  | | --- | | **Correct Answers for: h3** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | OK |  |  |  | | --- | | **Correct Answers for: h4** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | OK |  |  |  | | --- | | **Correct Answers for: a** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | 0002 |  |  |  | | --- | | **Correct Answers for: b** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | 775 |  |  |  | | --- | | **Correct Answers for: c** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | 664 |  |  |  | | --- | | **Correct Answers for: d** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | d?rw-rw-r-- |  |  |  | | --- | | **Correct Answers for: e** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | 664 |  |  |  | | --- | | **Correct Answers for: f** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | d?rwxrwxr-x |  |  |  | | --- | | **Correct Answers for: g** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | 775 |  |  |  | | --- | | **Correct Answers for: h** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | umask 044 |  |  |  | | --- | | **Correct Answers for: i** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | 044 |  |  |  | | --- | | **Correct Answers for: j** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | 733 |  |  |  | | --- | | **Correct Answers for: k** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | 622 |  |  |  | | --- | | **Correct Answers for: l** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | d?rw--w--w- |  |  |  | | --- | | **Correct Answers for: m** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | 622 |  |  |  | | --- | | **Correct Answers for: n** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | d?rwx-wx-wx |  |  |  | | --- | | **Correct Answers for: o** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | 733 |  |  |  | | --- | | **Correct Answers for: p** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | root |  |  |  | | --- | | **Correct Answers for: q** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | root |  |  |  | | --- | | **Correct Answers for: r** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | chmod 777 /shared |  |  |  | | --- | | **Correct Answers for: s** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | user1 |  |  |  | | --- | | **Correct Answers for: t** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | user1 |  |  |  | | --- | | **Correct Answers for: u** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Contains* | permission denied |  |  |  | | --- | | **Correct Answers for: v** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Contains* | ls -l |  | |  |  |  |

* **Question 2**

1 out of 1 points

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| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Login as **user2** and try to modify **/shared/plan**. Can you do it? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | CorrectYes | | Answers: | CorrectYes | |  | No | |  |  |  |

* **Question 3**

1 out of 1 points

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| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Login as **user1** and try to modify **/shared/plan**. Can you do it? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | CorrectNo | | Answers: | Yes | |  | CorrectNo | |  |  |  |

* **Question 4**

1 out of 1 points

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|  |  | | | |
|  | While you are logged in as **user2**, try to delete the file. Can you do it? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | CorrectYes | | Answers: | CorrectYes | |  | No | |  |  |  |

* **Question 5**

1 out of 1 points

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|  | ***Exercise #9: Minimum permissions***  Select the minimum permissions required to successfully complete the actions listed below.  To **copy** a file, the user requires which permissions for the **source directory**? |  |  |  |
| |  |  | | --- | --- | |  | Correct  (X) Execute | | Answers: | (R) Read | |  | (W) Write | |  | Correct  (X) Execute | |  | None | |  |  |  |

* **Question 6**

1 out of 1 points

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|  |  | | | |
|  | To **copy** a file, the user requires which permissions for the **target directory**? |  |  |  |
| |  |  | | --- | --- | |  | Correct  (W) Write | |  | Correct  (X) Execute | | Answers: | (R) Read | |  | Correct  (W) Write | |  | Correct  (X) Execute | |  | None | |  |  |  |

* **Question 7**

1 out of 1 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | To **copy** a file, the user requires which permissions for the **file**? |  |  |  |
| |  |  | | --- | --- | | Selected Answers: | Correct  (R) Read | | Answers: | Correct  (R) Read | |  | (W) Write | |  | (X) Execute | |  | None | |  |  |  |

* **Question 8**

1 out of 1 points

|  |  |  |  |  |
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|  |  | | | |
|  | To **move**a file, the user requires which permissions for the **source directory**? |  |  |  |
| |  |  | | --- | --- | |  | Correct  (W) Write | |  | Correct  (X) Execute | | Answers: | (R) Read | |  | Correct  (W) Write | |  | Correct  (X) Execute | |  | None | |  |  |  |

* **Question 9**

1 out of 1 points

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|  |  | | | |
|  | To **move**a file, the user requires which permissions for the **target directory**? |  |  |  |
| |  |  | | --- | --- | |  | Correct  (W) Write | |  | Correct  (X) Execute | | Answers: | (R) Read | |  | Correct  (W) Write | |  | Correct  (X) Execute | |  | None | |  |  |  |

* **Question 10**

1 out of 1 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | To **move**a file, the user requires which permissions for the **file**? |  |  |  |
| |  |  | | --- | --- | |  | Correct  None | | Answers: | (R) Read | |  | (W) Write | |  | (X) Execute | |  | Correct  None | |  |  |  |

* **Question 11**

1 out of 1 points

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|  |  | | | |
|  | To **delete**a file, the user requires which permissions for the **directory**? |  |  |  |
| |  |  | | --- | --- | |  | Correct  (W) Write | |  | Correct  (X) Execute | | Answers: | (R) Read | |  | Correct  (W) Write | |  | Correct  (X) Execute | |  | None | |  |  |  |

* **Question 12**

1 out of 1 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | To **delete**a file, the user requires which permissions for the **file**? |  |  |  |
| |  |  | | --- | --- | |  | Correct  None | | Answers: | (R) Read | |  | (W) Write | |  | (X) Execute | |  | Correct  None | |  |  |  |

Lab 5

* **Question 1**

9 out of 9 points

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| --- | --- | --- | --- | --- |
|  |  | | | |
|  | ***Exercise #1: Viewing existing partitions***  To manage partitions, use the **/sbin/fdisk** command.  The syntax of the **fdisk** command is:**fdisk device\_name**   * + Create a directory called lab and make it your working directory   + Type **fdisk /dev/sda**   + Within the **fdisk** utility type **m** for a list of menu options at the "Command (**m** for help):" prompt   + Record the (one-character) fdisk command to:   + display/list all partitions: **[a]**   + create a new partition: **[b]**   + delete a partition: **[c]**   + list partition types: **[d]**   + change a partition's system identification: **[e]**   + save changes made to a partition table: **[f]**   + exit **fdisk** without saving: **[g]**   + Select the option that lists the partition types and record the **system id** of the following types:   + "Linux": **[h]**   + "Linux swap": **[i]** |  |  |  |
| |  |  | | --- | --- | | Specified Answer for: a | Correctp | | Specified Answer for: b | Correctn | | Specified Answer for: c | Correctd | | Specified Answer for: d | Correctl | | Specified Answer for: e | Correctt | | Specified Answer for: f | Correctw | | Specified Answer for: g | Correctq | | Specified Answer for: h | Correct83 | | Specified Answer for: i | Correct82 |  |  | | --- | | **Correct Answers for: a** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | p |  |  |  | | --- | | **Correct Answers for: b** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | n |  |  |  | | --- | | **Correct Answers for: c** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | d |  |  |  | | --- | | **Correct Answers for: d** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | l |  |  |  | | --- | | **Correct Answers for: e** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | t |  |  |  | | --- | | **Correct Answers for: f** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | w |  |  |  | | --- | | **Correct Answers for: g** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | q |  |  |  | | --- | | **Correct Answers for: h** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | 83 |  |  |  | | --- | | **Correct Answers for: i** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | 82 |  | |  |  |  |

* **Question 2**

6 out of 6 points

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| --- | --- | --- | --- | --- |
|  |  | | | |
|  | ***Exercise #2: Creating a partition***  Add a new virtual hard drive in your Ubuntu virtual machine as demonstrated in the lecture period. Make it **2GB** in size. DO NOT USE YOUR EXISTING PARTITON **(/dev/sda)**!!!  Create a primary partition:   * + The size of the primary partition is **400MB** and is of type "Linux"   Create another primary partition:   * + The size of the primary partition is **300 MB** and is of type "Linux"   Create an extended partition to host three logical drives as the following: (keep in mind that you must make it large enough to encapsulate the logical drive described below. HINT: There will be problems if you try to make it exactly **900MB**. You will need to experiment and perform some math):   * + The size of the first logical drive is **200MB** and is of type "Linux".   + The size of the second logical drive is **300MB** and is to type "Linux".   + The size of the third logical drive is **400MB** and is of type "Linux Swap".   4) Record the information on the partitions which have been created on the new 1.0GB hard drive:   * + List all primary partitions on the new 2GB drive: **[a]** & **[b]**   + Name the extended partition if one exists on the new 2GB drive: **[c]**   + List all logical drive if they exist on the new 2GB drive: **[d]** & **[e]** & **[f]** |  |  |  |
| |  |  | | --- | --- | | Specified Answer for: a | Correct/dev/sdb1 | | Specified Answer for: b | Correct/dev/sdb2 | | Specified Answer for: c | Correct/dev/sdb3 | | Specified Answer for: d | Correct/dev/sdb5 | | Specified Answer for: e | Correct/dev/sdb6 | | Specified Answer for: f | Correct/dev/sdb7 |  |  | | --- | | **Correct Answers for: a** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Contains* | sdb1 |  |  |  | | --- | | **Correct Answers for: b** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Contains* | sdb2 |  |  |  | | --- | | **Correct Answers for: c** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Contains* | sdb3 |  |  |  | | --- | | **Correct Answers for: d** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Contains* | sdb5 |  |  |  | | --- | | **Correct Answers for: e** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Contains* | sdb6 |  |  |  | | --- | | **Correct Answers for: f** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Contains* | sdb7 |  | |  |  |  |

* **Question 3**

1 out of 1 points

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| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Can you create additional primary partitions on the new 2GB drive? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | CorrectYes | | Answers: | CorrectYes | |  | No | |  |  |  |

* **Question 4**

1 out of 1 points

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| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Can you create additional logical drives on the new 2GB drive?  THEN  Save the changes.  Reboot by typing reboots. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | CorrectYes | | Answers: | CorrectYes | |  | No | |  |  |  |

* **Question 5**

10 out of 13 points

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| --- | --- | --- | --- | --- |
|  |  | | | |
|  | ***Exercise #3: Deleting a partition***   * + Delete the logical drive of **200MB**   + Save the changes.   + Reboot with command **reboot**   + What do you notice in terms of the partition numbering?   ***Exercise #4: Basic commands review***   * + Log in as the default user, what is your default prompt? **[a]**   + What does the command **uname** return? **[b]**   + To display Linux kernel version, you should type: **[c]**   + Type **pwd**. What does it play?: **[d]**   + What does **$ wc -l /etc/passwd** display? **[e]**   + Type the following commands and record the output: **[f]**   + **$ touch lab51 lab52**   + **$ ls -i lab51 lab52**   + Type **man ls** and see what the **-i** switch does. **[g]**   + What is the command to take you to your home directory? Be specific. Show two methods. **[h]** & **[i]**   + How many top-level subdirectories are located under the root(/) of the file system? **[j]**   + What command do you use to remove a empty directory? **[k]**   + What command and options do you use to delete a complete directory structure including files stored in it? **[l]**   + What is the command used to shutdown Linux immediately at command line? (Assume you log in a root) **[m]** |  |  |  |
| |  |  | | --- | --- | | Specified Answer for: a | Correctmult0004@mult0004:~$ | | Specified Answer for: b | CorrectLinux | | Specified Answer for: c | Incorrectuname -r | | Specified Answer for: d | Incorrectit displays the working directory | | Specified Answer for: e | Correct35 /etc/passwd | | Specified Answer for: f | Correct659465 lab51 659469 lab52 | | Specified Answer for: g | Correctprints the index number of each file | | Specified Answer for: h | Correctcd | | Specified Answer for: i | Correctcd ~ | | Specified Answer for: j | Correct22 | | Specified Answer for: k | Correctrmdir | | Specified Answer for: l | Correctrm -r | | Specified Answer for: m | Incorrectshutdown -h |  |  | | --- | | **Correct Answers for: a** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | \s\*.\*@.\*:~\$\s\* |  |  |  | | --- | | **Correct Answers for: b** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | Linux |  |  |  | | --- | | **Correct Answers for: c** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | \s\*uname\s\*-v\s\* |  |  |  | | --- | | **Correct Answers for: d** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | /home/.\* |  |  |  | | --- | | **Correct Answers for: e** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | \s\*\d+\s\*/etc/passwd\s\* |  |  |  | | --- | | **Correct Answers for: f** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | \s\*\d+\s\*lab51\s\*\d+\s\*lab52\s\* |  |  |  | | --- | | **Correct Answers for: g** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Contains* | inode |  | | Correct*Contains* | index |  |  |  | | --- | | **Correct Answers for: h** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | cd |  | | Correct*Pattern Match* | cd ~/? |  | | Correct*Pattern Match* | cd /home/[\w\d]+/?\s\* |  | | Correct*Contains* | cd $HOME | Case Sensitive |  |  | | --- | | **Correct Answers for: i** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | cd |  | | Correct*Pattern Match* | cd ~/? |  | | Correct*Pattern Match* | cd /home/[\w\d]+/?\s\* |  |  |  | | --- | | **Correct Answers for: j** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | \s\*(19|20|21|22|23)\s\* |  |  |  | | --- | | **Correct Answers for: k** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Contains* | rmdir |  |  |  | | --- | | **Correct Answers for: l** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | .\*?rm.\*?-r.\*? |  |  |  | | --- | | **Correct Answers for: m** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | .\*?shutdown.\*?now.\*? |  | | Correct*Exact Match* | poweroff | Case Sensitive | |  |  |  |

Wednesday, March 7, 2018 10:23:16 PM EST

Lab 6

**Review Test Submission: Lab 6**

**Content**

|  |  |
| --- | --- |
| **User** | Aman Altaf Multani |
| **Course** | 17W\_CST8102\_300 Operating Systems Fund (GNU/Linux) |
| **Test** | Lab 6 |
| **Started** | 3/6/17 2:23 PM |
| **Submitted** | 3/15/17 11:09 PM |
| **Due Date** | 3/19/17 11:59 PM |
| **Status** | Completed |
| **Attempt Score** | 4 out of 4 points |
| **Time Elapsed** | 223 hours, 46 minutes |
| **Results Displayed** | All Answers, Submitted Answers, Correct Answers, Incorrectly Answered Questions |

* **Question 1**

4 out of 4 points

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| --- | --- | --- | --- | --- |
|  |  | | | |
| Correct | **Root privilege is required for executing most of the commands in this lab. Before starting this lab, your 2GB hard disk (sdb2) should be partitioned to follow the result of lab 5. You can view this picture to see how the hard disk should be partitioned:**[**Example Hard Disk**](https://blackboard.algonquincollege.com/bbcswebdav/pid-2259220-dt-content-rid-7973393_1/xid-7973393_1)**. Note that sdb6 should be the Linux Swap partition type.**  ***Exercise #1: Creating a Linux filesystem***  Use the **mkfs**command to format the two primary partitions created in lab5. and record the commands you used:  **[a]**  **[b]**  *Note: if no filesystem type is specified with* ***mkfs****, it will default to ext2.*  ***Exercise #2: Creating a swap filesystem***  When working with the swap space we use two commands. One command is used to create a swap filesystem, which is used by the virtual memory system to temporarily store data. The command is **mkswap** and the syntax is:  **$ mkswap device\_name**  Record the command you use to create a swap filesystem on the swap partition you created in lab5:  **[c]**  The second command is used to activate the swap space, so that the virtual memory system can use the swap space. The command is **swapon**and the syntax is:  **$ swapon device\_name**  Record the command you use to activate the swap partition:  **[d]**  To verify the swap partitions that are currently active, use the following command:  **$ swapon -s**  ***Exercise #3: Mount & unmount a Linux filesystem***  **Create a log file**  Redirect the output of **fdisk -l** to the log file named **~/fslab6**(if you're logged in as root, ~/fslab6 is /root/fslab6) using the following commands:  **$ fdisk -l > ~/fslab6**  Append an empty line into the log file using:  **$ echo "" >> ~/fslab6**  A newly created filesystem is not recorded in the **/etc/fstab**file. Therefore, we need to mount the filesystem manually. In this exercise we mount the Linux partition that we created in lab5.  The syntax of the mount command is:  **$ mount -t type device mount-point**  To mount the newly created Linux partition:  **$ mkdir /mnt/new**   * + Create a mount point   **$ mount -t ext4 /dev/sdb1 /mnt/new**   * + /dev/sdb1 is the newly created partition in lab5 part 1   **$ ls /mnt/new**   * + List the directory contents. Since this is a new partition, you will see only one directory that is created by **mkfs**: lost+found.   **Add to log file**  **$ mount >> ~/fslab6**   * + Append the output of the mount command to **~/fslab6**   **$ echo "" >> ~/fslab6**   * + Append an empty line.   **$ umount /mnt/new**   * + Unmount the filesystem located on the partition.   ***Exercise #4: Mount & unmount a CDROM disk***  Put a CD-ROM or DVD disk in the CDROM drive and follow the steps below (Use the Ubuntu installation ISO image if you prefer):  **$ mkdir /mnt/cdrom**   * + Create a mount point for mounting the CDROM.   **$ mount -t iso9660 /dev/cdrom /mnt/cdrom**   * + Mount a CDROM filesystem and make the files on it available in the **/mnt/cdrom**directory.   **$ ls -l /mnt/cdrom**   * + List the contents of the **/mnt/cdrom**directory.   **$ umount /mnt/cdrom**   * + Unmount the CDROM filesystem.   ***Exercise #5: Mount a partition automatically during boot***  Use **vim**to insert a new line at the end of the **/etc/fstab**file to automatically mount the first primary partition (/dev/sdb1) you created in lab5 at the mount point **/mnt/blank** (make sure you create the directory) when the system boots up. Be very careful when editing this file.  Please insert the following:  **/dev/sdb1       /mnt/blank      ext4    defaults                 0       0**  **Add to log file**  **$ cat /etc/fstab >> ~/fslab6**   * + Append the new **/etc/fstab** file to **~/fslab6** |  |  |  |
| |  |  | | --- | --- | | Specified Answer for: a | Correctmkfs -t ext2 /dev/sdb1 | | Specified Answer for: b | Correctmkfs -t ext2 /dev/sdb2 | | Specified Answer for: c | Correctmkswap /dev/sdb6 | | Specified Answer for: d | Correctswapon /dev/sdb6 |  |  | | --- | | **Correct Answers for: a** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | \s\*(sudo)?\s\*mkfs.\*?/dev/sdb[12]\s\* |  |  |  | | --- | | **Correct Answers for: b** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | \s\*(sudo)?\s\*(sudo)?\s\*mkfs.\*?/dev/sdb[12]\s\* |  |  |  | | --- | | **Correct Answers for: c** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | \s\*(sudo)?\s\*mkswap\s\*/dev/sdb6\s\* |  |  |  | | --- | | **Correct Answers for: d** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | \s\*(sudo)?\s\*swapon\s\*/dev/sdb6\s\* |  | |  |  |  |

Wednesday, March 7, 2018 10:24:53 PM EST

**Review Test Submission: Lab 7**

**Content**

|  |  |
| --- | --- |
| **User** | Aman Altaf Multani |
| **Course** | 17W\_CST8102\_300 Operating Systems Fund (GNU/Linux) |
| **Test** | Lab 7 |
| **Started** | 3/22/17 1:07 PM |
| **Submitted** | 3/26/17 11:22 PM |
| **Due Date** | 3/26/17 11:59 PM |
| **Status** | Completed |
| **Attempt Score** | 24 out of 31 points |
| **Time Elapsed** | 106 hours, 15 minutes |
| **Results Displayed** | All Answers, Submitted Answers, Correct Answers, Incorrectly Answered Questions |

* **Question 1**

2 out of 3 points

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| --- | --- | --- | --- | --- |
|  |  | | | |
| Partial Credit | Log in to root account with the command : $ **su - root**  a. Create the following account using **useradd** command:  username: **user101**  home directory: **/home/user101home** (create the user's home directory if it doesn't exist)  login shell: **/bin/bash**  Record the command you use:  **[a]**  b. Define password for this user account and record the command you use:  **[b]**  c. Verify that the information of the new user account is recorded in the **/etc/passwd** file by typing commands:   * + **$ cat /etc/passwd | grep user101**   + **$cat /etc/group | grep user101**   d. What is the initial group of **user101**?  **[c]** |  |  |  |
| |  |  | | --- | --- | | Specified Answer for: a | Incorrectuseradd user101 –d /home/user101home –m –s bin/bash | | Specified Answer for: b | Correctpasswd user101 | | Specified Answer for: c | Correctuser101 |  |  | | --- | | **Correct Answers for: a** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | useradd\s\*(-m|-d /home/user101home|-s /bin/bash|user101)\s\*(-m|-d /home/user101home|-s /bin/bash|user101)\s\*(-m|-d /home/user101home|-s /bin/bash|user101)\s\*(-m|-d /home/user101home|-s /bin/bash|user101) |  |  |  | | --- | | **Correct Answers for: b** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | passwd user101 |  |  |  | | --- | | **Correct Answers for: c** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | user101 |  | |  |  |  |

* **Question 2**

2 out of 3 points

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|  |  | | | |
| Partial Credit | 2. Delete the user account, **user101**. Make sure the user's home directory is removed, as well as all files stored in it.  a. Record the command you use:  **[a]**  b. Record the commands you use to verify the user account and the user's home directory are deleted.  **[b]**  **[c]** |  |  |  |
| |  |  | | --- | --- | | Specified Answer for: a | Incorrectuserdel user101 | | Specified Answer for: b | Correctcat /etc/passwd | grep user101 | | Specified Answer for: c | Correctls /home |  |  | | --- | | **Correct Answers for: a** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | userdel\s\*(-r|user101)\s\*(-r|user101) |  |  |  | | --- | | **Correct Answers for: b** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | (cat /etc/passwd.\*?|ls /home.\*?|grep user101 /etc/passwd|/home/user101home|cd /home/user101home) |  |  |  | | --- | | **Correct Answers for: c** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | (cat /etc/passwd.\*?|ls /home.\*?|grep user101 /etc/passwd|/home/user101home|cd /home/user101home) |  | |  |  |  |

* **Question 3**

1 out of 1 points

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| --- | --- | --- | --- | --- |
|  |  | | | |
| Correct | Execute the following command: **$ grep user101 /etc/group**  Is there an output? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | CorrectNo | | Answers: | Yes | |  | CorrectNo | |  |  |  |

* **Question 4**

2 out of 3 points

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| --- | --- | --- | --- | --- |
|  |  | | | |
| Partial Credit | 3. Use the **useradd** command to create the following user account:  username: **user102**  home directory: **/home/user102** (create the user's home directory if it doesn't exist)  initial group: **users**  login shell: **/bin/bash**  expiration date: **2017-12-31**  a. Record the command you use: **[a]**  b. Define password for this user account using **passwd** command  c. Record the commands you use to verify the user account is created:  **[b]**  **[c]**  d. Log in to **user102** with the command: **$** **su - user102**, and copy **/etc/fstab** to **user102**'s home directory with the following command: **$** **cp /etc/fstab ~/**  e. List all files in **user102**'s home directory with the command: **$** **ls /home/user102** |  |  |  |
| |  |  | | --- | --- | | Specified Answer for: a | Incorrectuseradd –m –g users –s /bin/bash –e 2017-03-21 user102 | | Specified Answer for: b | Correctgrep user102 /etc/passwd | | Specified Answer for: c | Correctls /home |  |  | | --- | | **Correct Answers for: a** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | useradd\s\*(-m|-d /home/user102|-g users|-s /bin/bash|-e 2017-12-31|user102)\s\*(-m|-d /home/user102|-g users|-s /bin/bash|-e 2017-12-31|user102)\s\*(-m|-d /home/user102|-g users|-s /bin/bash|-e 2017-12-31|user102)\s\*(-m|-d /home/user102|-g users|-s /bin/bash|-e 2017-12-31|user102)\s\*(-m|-d /home/user102|-g users|-s /bin/bash|-e 2017-12-31|user102)\s\*(-m|-d /home/user102|-g users|-s /bin/bash|-e 2017-12-31|user102)? |  |  |  | | --- | | **Correct Answers for: b** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | (cat /etc/passwd.\*?|ls /home.\*?|grep user102 /etc/passwd|/home/user102|cd /home/user102|id user102|groups user102|su\s\*-?\s\*user102) |  |  |  | | --- | | **Correct Answers for: c** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | (cat /etc/passwd.\*?|ls /home.\*?|grep user102 /etc/passwd|/home/user102|cd /home/user102|id user102|groups user102|su\s\*-?\s\*user102) |  | |  |  |  |

* **Question 5**

2 out of 3 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
| Partial Credit | 4. Switch to **root** user account with the command **$** **su - root**, and change the home directory of **user102** to **/home/user102home**, (Please note that the contents of the current home directory should be moved to the new home directory, which should be created if it does not already exist.)  a. Record the command you use:  **[a]**  b. Log in **user102** with the command: **$** **su - user102**  c. Record the commands you use to verify the user's home directory has changed to **/home/user102home**  **[b]**  **[c]** |  |  |  |
| |  |  | | --- | --- | | Specified Answer for: a | Correctusermod -d /home/user102home -m user102 | | Specified Answer for: b | Correctcat /etc/passwd | grep user102 | | Specified Answer for: c | Incorrectls home |  |  | | --- | | **Correct Answers for: a** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | usermod\s\*(-m|-d /home/user102home|user102)\s\*(-m|-d /home/user102home|user102)\s\*(-m|-d /home/user102home|user102) |  |  |  | | --- | | **Correct Answers for: b** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | (cat /etc/passwd.\*?|ls /home.\*?|grep user102 /etc/passwd|/home/user102home|cd /home/user102home|/home/user102|cd /home/user102) |  |  |  | | --- | | **Correct Answers for: c** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | (cat /etc/passwd.\*?|ls /home.\*?|grep user102 /etc/passwd|/home/user102home|cd /home/user102home|/home/user102|cd /home/user102) |  | |  |  |  |

* **Question 6**

3 out of 3 points

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| --- | --- | --- | --- | --- |
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| Correct | 5. Log in as **user102**, and change the login shell of **user102** to **/bin/sh**  a. Record the command you use:  **[a]**  b. What is the command you use to verify the login shell has been changed to **/bin/sh**?  **[b]**  c. Switch to **root**, and change the login shell back to **/bin/bash** for **user102**, record the command used:  **[c]** |  |  |  |
| |  |  | | --- | --- | | Specified Answer for: a | Correctchsh -s /bin/sh | | Specified Answer for: b | Correctgrep user102 /etc/passwd | | Specified Answer for: c | Correctusermod -s /bin/bash user102 |  |  | | --- | | **Correct Answers for: a** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | chsh -s /bin/sh.\*? |  | | Correct*Pattern Match* | usermod\s\*(-s /bin/sh|user102)\s\*(-s /bin/sh|user102) |  |  |  | | --- | | **Correct Answers for: b** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | (cat /etc/passwd.\*?|grep user102 /etc/passwd|echo \$SHELL) |  |  |  | | --- | | **Correct Answers for: c** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | chsh -s /bin/bash.\*? |  | | Correct*Pattern Match* | usermod\s\*(-s /bin/bash|user102)\s\*(-s /bin/bash|user102) |  | |  |  |  |

* **Question 7**

4 out of 4 points

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| Correct | 6.  a. Change the primary (initial) group of **user102** to **root**, and record the command you use:  **[a]**  b. Create a new group named **cst8102**, and record the command you use:  **[b]**  c. Let **user102** join the group **cst8102** as a supplementary group, and record the command you use:  **[c]**  d. What is the output of the command: **$** **groups user102**?  **[d]** |  |  |  |
| |  |  | | --- | --- | | Specified Answer for: a | Correctusermod -g root user102 | | Specified Answer for: b | Correctgroupadd cst8102 | | Specified Answer for: c | Correctusermod -G cst8102 user102 | | Specified Answer for: d | Correctuser102: root cst8102 |  |  | | --- | | **Correct Answers for: a** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | usermod\s\*(-g root|user102)\s\*(-g root|user102) |  |  |  | | --- | | **Correct Answers for: b** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | groupadd cst8102 |  |  |  | | --- | | **Correct Answers for: c** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | usermod\s\*(-G cst8102|user102)\s\*(-G cst8102|user102) |  |  |  | | --- | | **Correct Answers for: d** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | user102\s\*:\s\*(root|cst8102)\s\*(root|cst8102) |  | |  |  |  |

* **Question 8**

2 out of 5 points

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| Partial Credit | 7.  a. Log in to user102 with the command **$ su - user102**, and change user102's group ID (initial group) to cst8102 for the duration of current session, and record the command you use:  **[a]**  b. What is the output of command: $ groups  **[b]**  c. Log in to root and create a new group named labs  d. Create a password for the group labs, and record the command you use:  **[c]**  e. Log in to user102 with the command **$ su - user102**, and change user102's group ID (initial group) to labs for the duration of the current session.  **[d]**  f. What is the output of the command: **$ groups**?  **[e]** |  |  |  |
| |  |  | | --- | --- | | Specified Answer for: a | Correctnewgrp cst8102 | | Specified Answer for: b | Correctcst8102 root | | Specified Answer for: c | Incorrectgpasswd test | | Specified Answer for: d | Incorrectnewgrp test | | Specified Answer for: e | Incorrecttest root cst8102 |  |  | | --- | | **Correct Answers for: a** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | newgrp cst8102 |  |  |  | | --- | | **Correct Answers for: b** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | (root|cst8102)\s\*(root|cst8102) |  |  |  | | --- | | **Correct Answers for: c** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | gpasswd labs |  |  |  | | --- | | **Correct Answers for: d** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | newgrp labs |  |  |  | | --- | | **Correct Answers for: e** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | (root|cst8102|labs)\s\*(root|cst8102|labs)\s\*(root|cst8102|labs) |  | |  |  |  |

* **Question 9**

6 out of 6 points

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| --- | --- | --- | --- | --- |
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| Correct | 8. Create the following user accounts using **$** **useradd** commands:   * + Mick Jagger - login name: **mickj**   + Jones Brian - login name: **jonesb**   + Keith Richards - login name:**keithr**   + Charlie Watts - login name: **charliew**   a. Create a group named **stones**, record the command used:  **[a]**  b. Designate **Mick Jagger** as the group administrator, and record the command you use:  **[b]**  c. Login as **mickj**, and add all the above user accounts to the group **stones**, record the commands you use:  **[c]**  **[d]**  **[e]**  d. What is the output of the command **$ cat /etc/group | grep stones**?  **[f]** |  |  |  |
| |  |  | | --- | --- | | Specified Answer for: a | Correctgroupadd stones | | Specified Answer for: b | Correctgpasswd -A mickj stones | | Specified Answer for: c | Correctgpasswd -a jonesb stones | | Specified Answer for: d | Correctgpasswd -a keithr stones | | Specified Answer for: e | Correctgpasswd -a charliew stones | | Specified Answer for: f | Correctstones:x:1007:jonesb,keithr,charliew |  |  | | --- | | **Correct Answers for: a** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | groupadd stones |  |  |  | | --- | | **Correct Answers for: b** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Exact Match* | gpasswd -A mickj stones |  |  |  | | --- | | **Correct Answers for: c** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | gpasswd -a (jonesb|keithr|charliew) stones |  |  |  | | --- | | **Correct Answers for: d** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | gpasswd -a (jonesb|keithr|charliew) stones |  |  |  | | --- | | **Correct Answers for: e** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | gpasswd -a (jonesb|keithr|charliew) stones |  |  |  | | --- | | **Correct Answers for: f** |  |  |  |  | | --- | --- | --- | | **Evaluation Method** | **Correct Answer** | **Case Sensitivity** | | Correct*Pattern Match* | stones:x:\d{4}:(jonesb|keithr|charliew),(jonesb|keithr|charliew),(jonesb|keithr|charliew) |  | |  |  |  |

Wednesday, March 7, 2018 10:27:03 PM EST

Midterm 2 Answers

Answer01 D Answer21 A

Answer02 C Answer22 D

Answer03 A Answer23 C

Answer04 B Answer24 A

Answer05 C Answer25 A

Answer06 A Answer26 B

Answer07 A Answer27 C

Answer08 C Answer28 E

Answer09 B Answer29 B

Answer10 C Answer30 E

Answer11 C Answer31 D

Answer12 A Answer32 D

Answer13 B Answer33 C

Answer14 D Answer34 B

Answer15 C Answer35 C

Answer16 A Answer36 A

Answer17 C Answer37 D

Answer18 C Answer38 C

Answer19 A Answer39 D

Answer20 C Answer40 C