## WS2 -Working with Linux Workshop Report

Upon completion of phase three task four, please execute the command **ls -l /var/www/html/coursefiles**, then copy and paste its output into the cell provided below.

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| A screenshot of a computer screen  Description automatically generated |

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|  | Phase 1 – replace the screen clips with your own |
| 1 | Log in to Linux-server from Linux desktop using SSH |
|  | A black background with white text  Description automatically generated |
| 2 | Add a new user and check that the account exists. Below is a screenclip from the check. |
|  | A black screen with white text  Description automatically generated |
| 3 | Create a new group **course** and check that the group exists. Below is a screenclip from the check |
|  | A black background with white text  Description automatically generated |
| 4 | Add matti1 to group **course** and check then matti’s groups. Below is a screenclip from the check. |
|  |  |
|  |  |
| 5 | Create four more users with the following names: your first name followed by numbers 2 to 5. Add users firstname2 and firstname3 to ‘course’ -group. Take a screenshot as shown in the example below. |
|  | A screenshot of a computer  Description automatically generated |

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|  | Phase 2 – replace screenclips with your own. |
| 1 | Check directory /var/www/html permissions. You see that only root-user has permissions to create files and directories in this directory. |
|  | A close up of a computer screen  Description automatically generated |
| 2 | Use sudo to create a directory **coursefiles** under /var/www/html. Check it’s initial ownerships and permissions. |
|  | A close up of a number  Description automatically generated |
| 3 | Use sudo to give **coursefiles**-directory group-ownership to group **course**. Check situation after change. |
|  |  |
| 4 | Use sudo to add write permissions for group. Check situation after change. |
|  | A black background with white text and purple letters  Description automatically generated |

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| --- | --- |
|  | Phase 3 (Note:replace matti with your first name) |
| 1 | Start another terminal session from desktop-linux and login via SSH to server using your newly created account. **Replace the screenclip with your own.** |
|  | A computer screen with white text  Description automatically generated |
| 2 | Navigate to /var/www/html/coursefiles -directory. All next steps are done in this directory. |
|  |  |
| 3 | Create files matti1filea, matti1fileb, matti1filec  **Replace the screenclip below with a screenclip of the followind command’s output:**  ls -l |
|  | A screen shot of a computer  Description automatically generated |
| 4 | **Exercise:** Change the ownerships and permissions of files matti1a, matti1b, matti1c such a way that the permissions presented in table 1 are met. **After completing this task, please execute the command**  **ls -l /var/www/html/coursefiles, then copy and paste its output into the cell located at the top of the first page.** |
| 5 | By logging in as users matti2, matti3 you can test whether your permissions are correct for different users. |

Table 1. Configure matti1’s file permissions and ownerships to match the table.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **user** | | | | |
| **file** | **matti1** | **matti2** | **matti3** | matti4 | matti5 |
| matti1filea | rw | r | r | r | r |
| matti1fileb | rw | rw | rw | r | r |
| matti1filec | rw | r | r | - | - |
| can create files in coursefiles | y | y | y | n | n |