Robert Carpenter
github.com/robertmcarpenter
Tues January 7th 2025

Lab 8.2.5 Configuring NTFS Permissions on a Windows File Server
From TestOut CompTIA Security+ Course

In this lab I will be configuring NTFS Permission on a Windows Server based File Server (SMB Share)

The scenario for this lab is as follows:
"**There are two groups of users who access the CorpFiles server: Marketing and Research.**

Each group has a corresponding folder:

- **D:\Marketing Data**
- **D:\Research Data**

In this lab, your task is to:

1. **Disable permissions inheritance for D:\Marketing Data and D:\Research Data and convert the existing permissions to explicit permissions.**
2. **For each of the above folders, remove the Users group from the access control list (ACL).**
3. **Add the Marketing group to the Marketing Data folder ACL.**
4. **Add the Research group to the Research Data folder ACL.**
5. **Assign the groups Full Control to their respective folders.**
6. **Do not change any other permissions assigned to other users or groups."**

Since this Windows Server OS Machine is housing the file server, all files are being accessed on this machine's disk. If a User needs to access a file from the Windows Server , their machine will establish an SMB connection from their client Windows machine to the server. They will be accessing files which are stored locally on the Server. Therefore, we need to edit permissions on this File server that way they are applied across the domain.
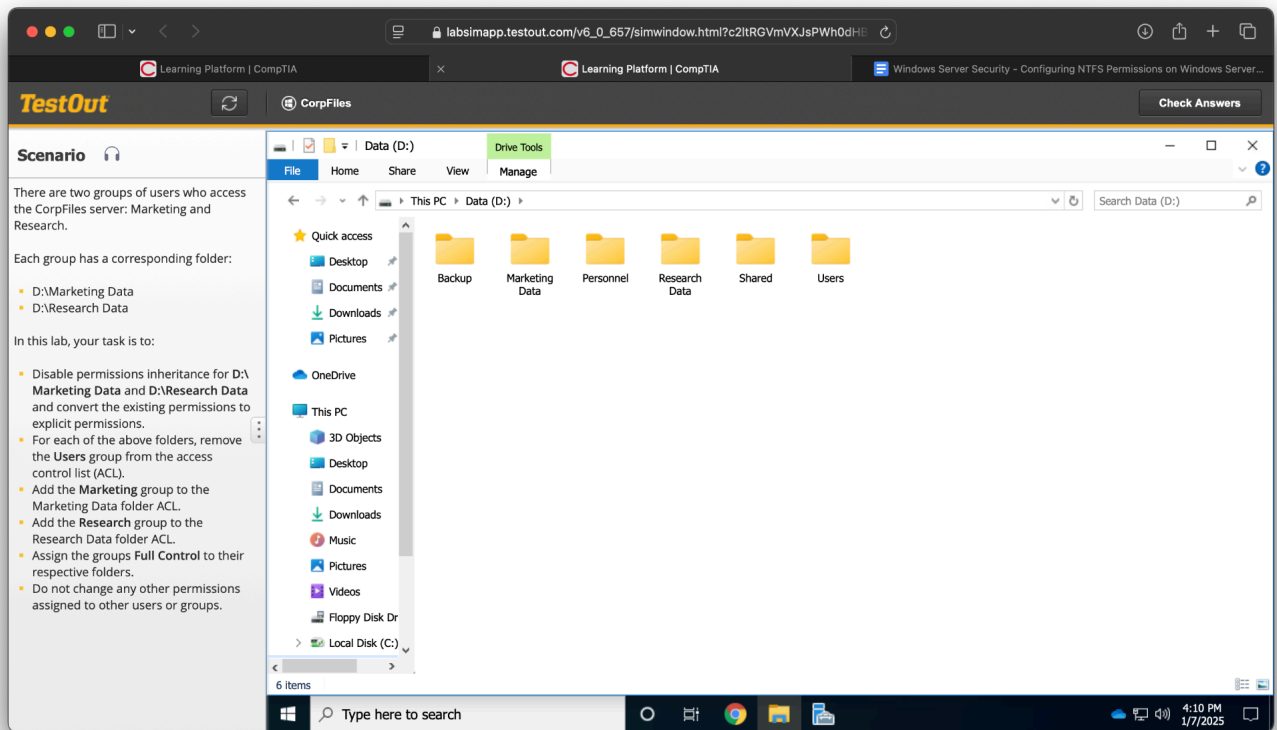
Robert Carpenter
github.com/robertmcarpenter
Tues January 7th 2025

The Lab tells me that I need to first edit the permissions on the D:\Marketing and

D:\Research folders and turn the current permissions set into implicit permissions.

TO do this I will open up File Explorer and navigate to **D:\.**

After right-clicking the **D:\Marketing Data** folder and hitting **Properties,** I will

navigate over to the **Security** tab which looks like this:

Robert Carpenter
github.com/robertmcarpenter
Tues January 7th 2025
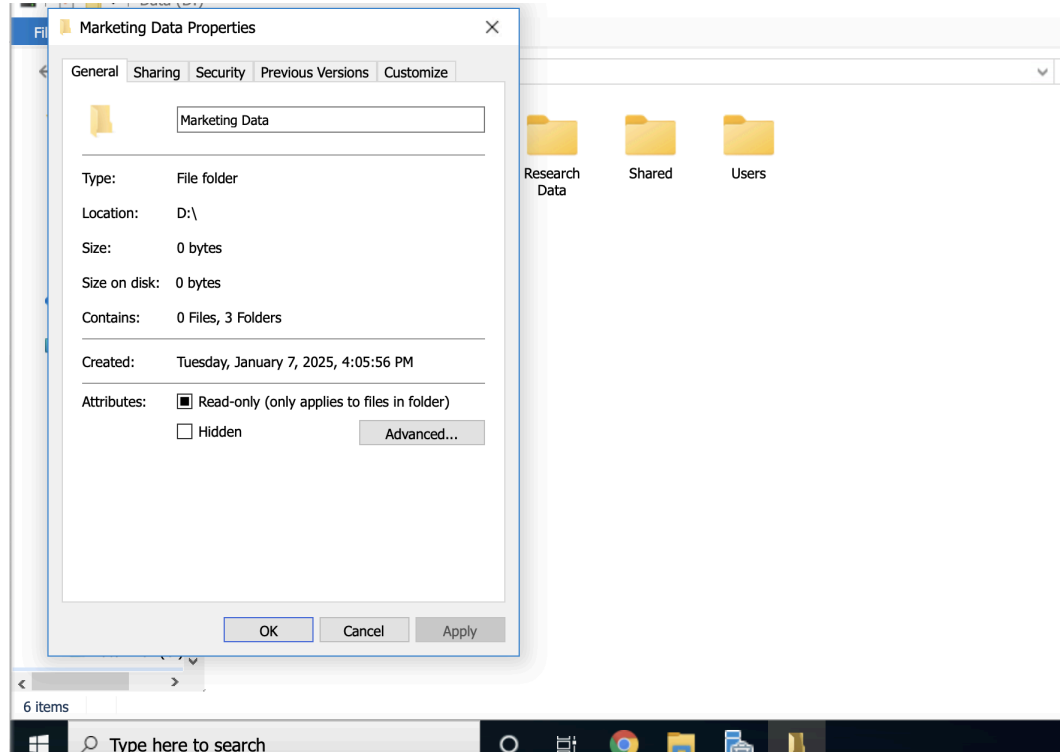
Then I'll head to **Advanced Security Settings** which then pops up the following dialog box:

Robert Carpenter
github.com/robertmcarpenter
Tues January 7th 2025
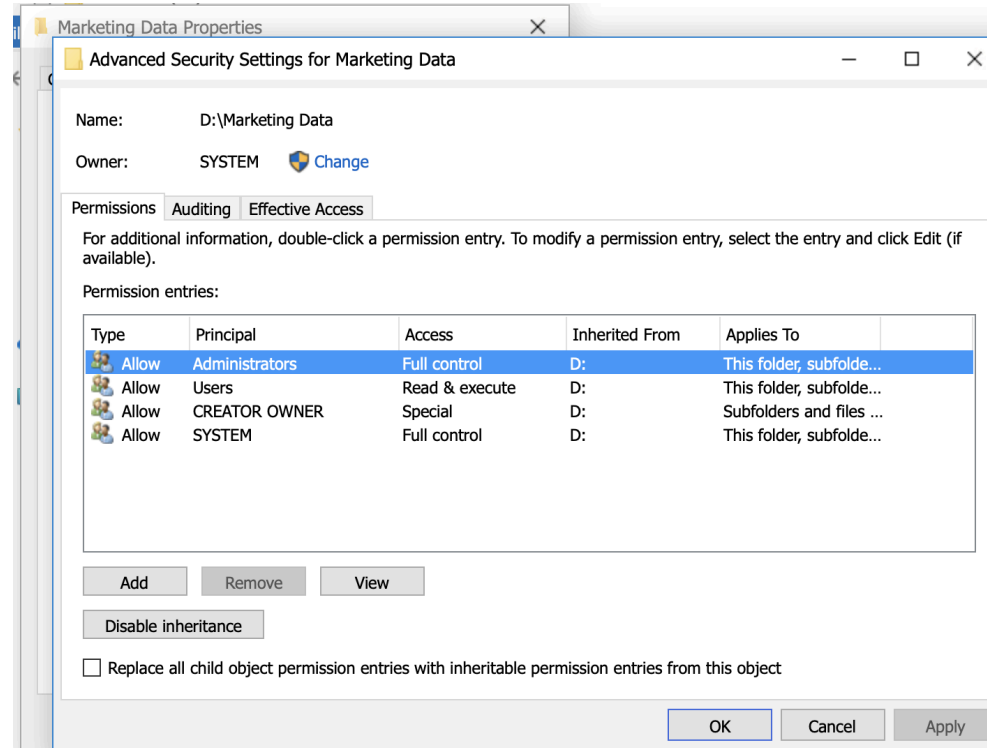
As you can see below the menu there is a button named **Disabled Inheritance**. This is the button I will need to hit to disabled Inheritance permissions. Doing so brings up another dialog box:

Robert Carpenter
github.com/robertmcarpenter
Tues January 7th 2025
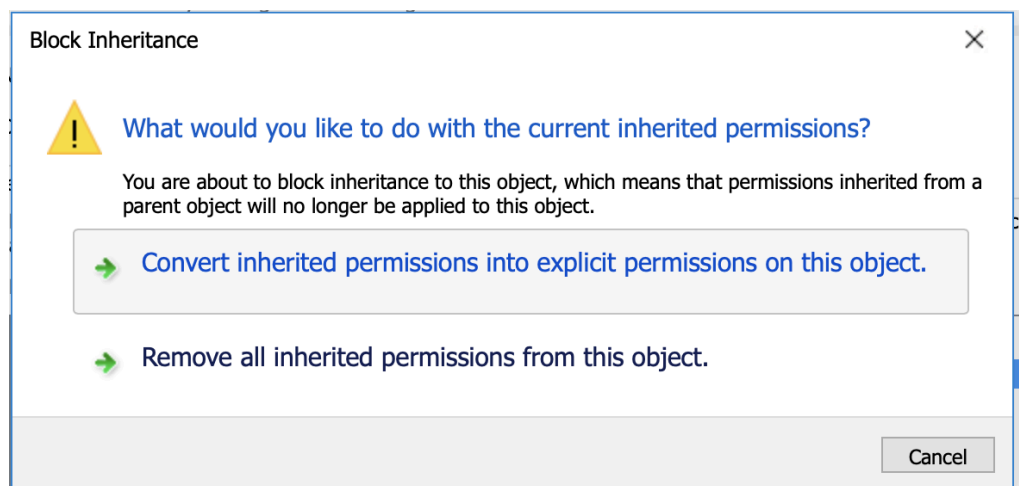
After I hit **Convert inherited permissions into explicit permissions on this object** I can hit **Apply** then **Ok.** I will then close this window and repeat the same steps for the **D:\Research Data** folder.
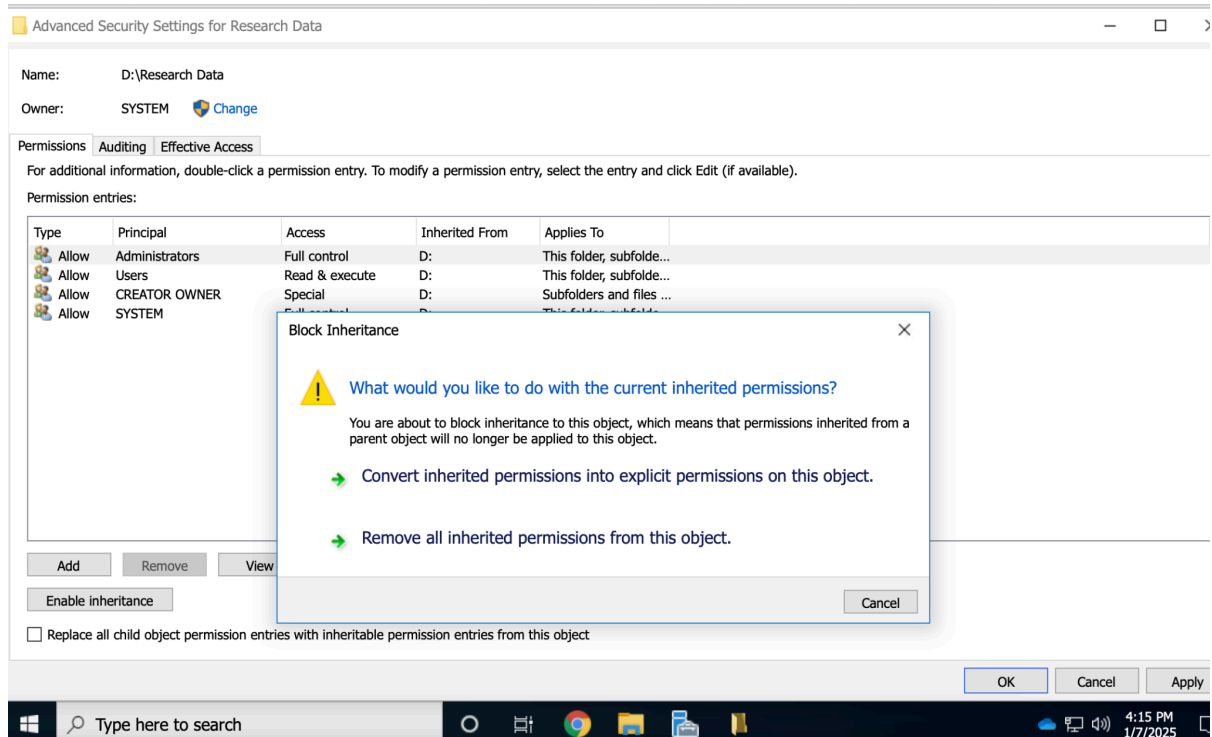
Now I can move on to the next task of this lab which is: "**For each of the above folders, remove the Users group from the access control list (ACL)."**

For this I will reopen up the Properties folder and head to the **Security** tab once more. Note that I need to completely remove the **Users** group, NOT edit their permissions.

Robert Carpenter
github.com/robertmcarpenter
Tues January 7th 2025
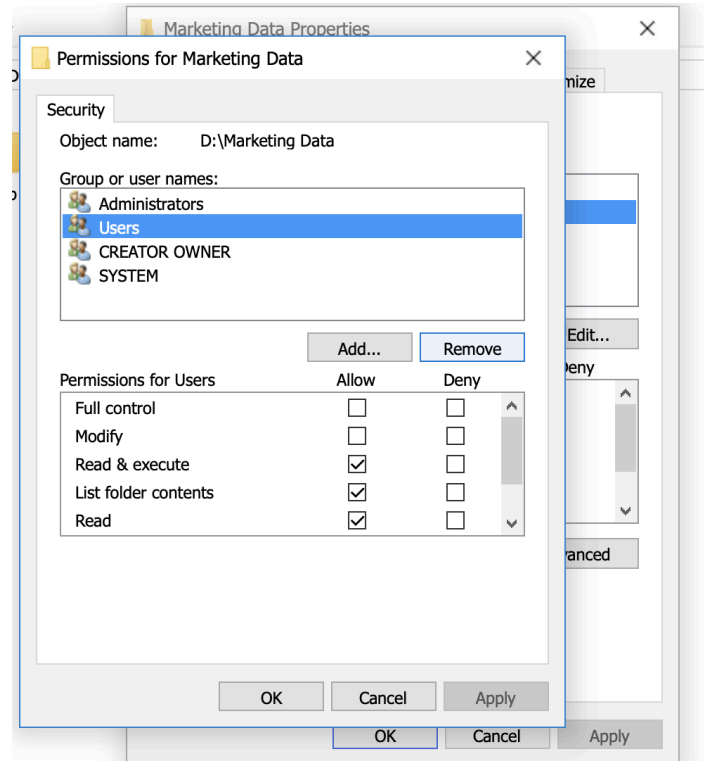
I can remove the **Users** group by simply highlighting their group name then hitting the **Remove** button followed by **Apply then Ok.** The **ACL** should then look like this after removing them:

Robert Carpenter
github.com/robertmcarpenter
Tues January 7th 2025
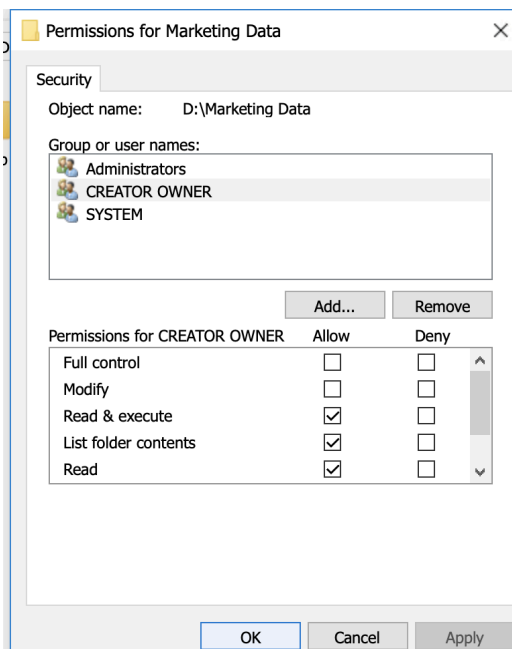
After doing this, I will head over to the **D:\Research Data** folder to repeat this same step:
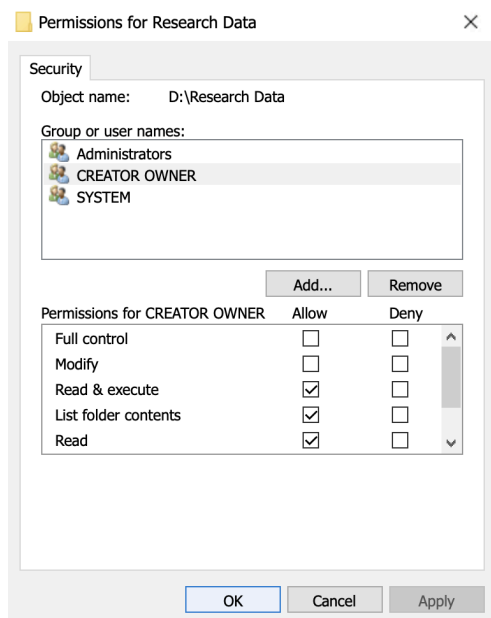
After doing this I can move onto the next tasks. Now I need to add each respective user group to their assigned folders. Tasks 3,4,5,6 can all be done in one sweep:

Add the Marketing group to the Marketing Data folder ACL.

Add the Research group to the Research Data folder ACL.

Assign the groups Full Control to their respective folders.

Do not change any other permissions assigned to other users or groups.

I will reopen the above Security Window to add the groups as such:
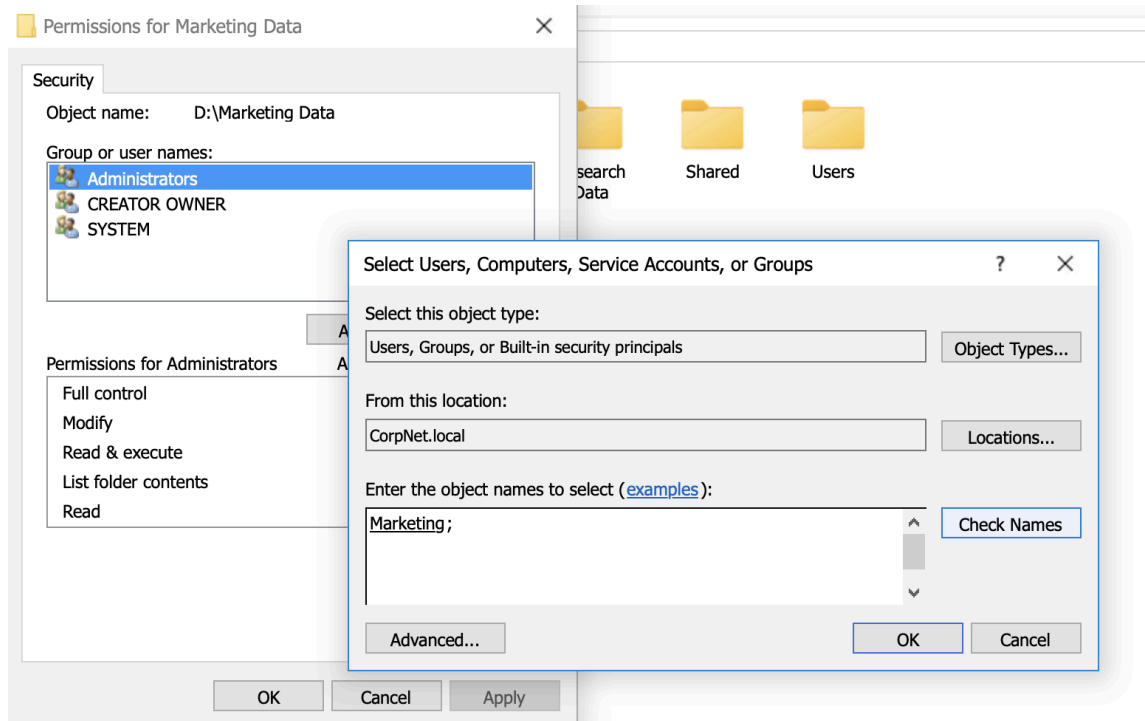
After clicking **OK** I can see that the Marketing group as been added to the ACL.
The Lab also wants us to assign this group complete control of this folder. We can
do that on the previous window after clicking OK.
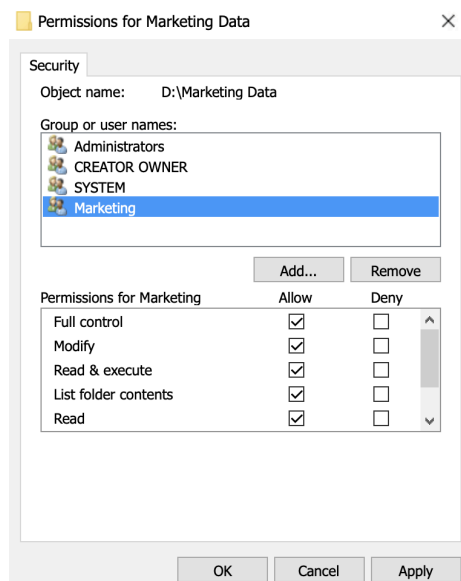
Robert Carpenter
github.com/robertmcarpenter
Tues January 7th 2025

Clicking the **Allow > Full Control** checkbox gives all permissions to that group.

After I assign these I can now hit **Apply then Ok.**

Now I can move on to repeating these steps for the **Research** group.
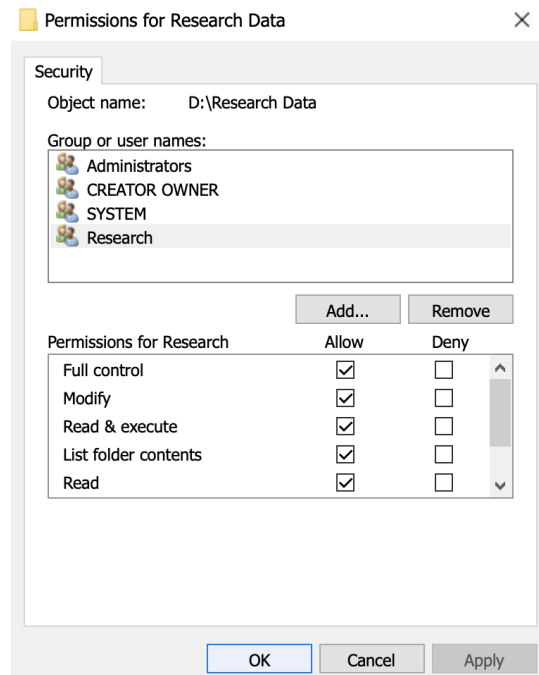
The last step of the Lab asks us to not alter any other permissions here so I can confidently say that I've completed the lab. I'll now submit my work for a grade and wrap up this Lab.

Robert Carpenter

github.com/robertmcarpenter

Tues January 7th 2025

Lab Report

Time Spent: 1:06:55

Score: 2/2 (100%)

TASK SUMMARY

Required Actions

✓ Edit permissions for the D:\Marketing Data folder   Show Details

✓ Edit permissions for the D:\Research Data folder   Show Details

Keep Working   Score Lab