JBL LAB3: Configuring Windows File System Permissions

Lab #3 Lab Challenge & Analysis

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Part 2: Tools and Commands for Security
Below I have used the command: Get-ChildItem -Path "C:\ SindyMorel\Security" -Recurse Get-Acl

Part 1: Analysis & Discussion: Comparison of folder structure vs Get-ACL commands.

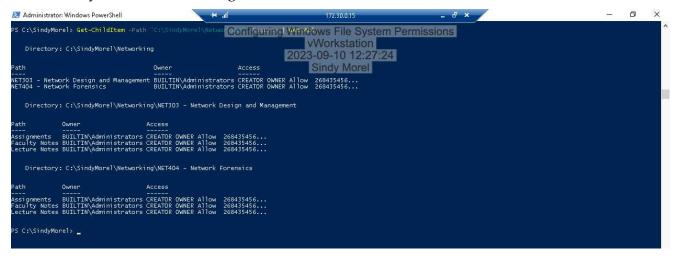
Networking	Faculty	Students
	Managanan	-
NET303: Network Design and Assignments	Full Control	Read Only
Faculty Notes	Full Control	Read Only
Lecture Notes	Full Control	Read Only
	run control	Read Offiny
NET404: Network Forensics		
Assignments	Full Control	Read Only
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Lecture Notes		Pood Out-
	Full Control	Read Only
PRO404: Information Structure	es with Python.	
Assignments	Full Control	Read Only
Faculty Notes	Full Control	
Lecture Notes	Full Control	Read Only

In this structure, I have specified that **faculty** members should have Full Control permissions for all folders, including **Lecture Notes**, **Faculty Notes**, **and Assignments**. **Students**, on the other hand, are granted **Read-Only permissions for Lecture Notes and Assignments folders**, which allows them to view but not modify the contents.

To compare this design to the results of the Get-ACL command, I would need to execute the Get-ACL command for each folder and subfolder in the structure and review the returned ACL to ensure that the permissions match the design. I would repeat this command for each folder and subfolder in the structure to verify that the specified permissions are correctly applied in your file system.

Part 2: Tools and Commands: PowerShell Get-Command listing permissions on a directory.

- Below I have used the command: Get-ChildItem -Path "C:\ SindyMorel\Networking " -Recurse | Get-Acl



Mandliya. (2023, April 6). *PowerShell - Get Permissions on Folder and Subfolders - Java2Blog*. Java2Blog. Retrieved September 10, 2023, from https://java2blog.com/powershell-get-permissions-on-folder-and-subfolders/

Part 3: Challenge Exercise:

1. Remove Permissions

```
Administrator Windows PowerShell

PS CLASSICATION

PS CLA
```

Permissions have been removed.

(2021, August 11). *Icacls: The Ultimate Guide*. Icacls: The Ultimate Guide. Retrieved September 10, 2023, from https://adamtheautomator.com/icacls/

Security Department

2. Creating Security Groups for Security Department

```
Setting groups for Security Department:

Administrator: Windows PowerShell

PS C:\SindyMorel> Get-ADGroupMember - Identity Students | Select Name
Configuring Windows File System Permissions

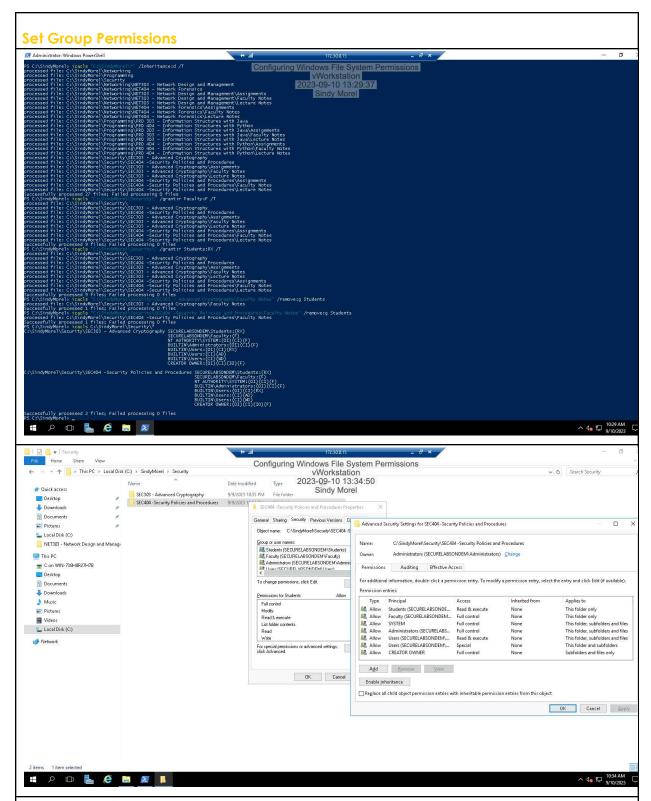
Workstation
Richard Abrahami
Name, Reynolds

PS C:\SindyMorel> Get-ADGroupMember - Identity Faculty | Select Name
Name
Size Jones
Watthew Hunter
Renee Talbot

PS C:\SindyMorel> __

Students & Faculty

Students & Faculty
```

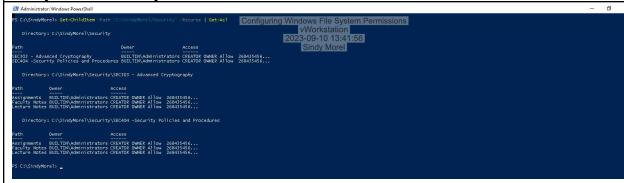


Rights to Students modified to read and execute to specified folders and be removed from Faculty Notes.

Part 2: Tools and Commands for Security

Below I have used the command: Get-ChildItem -Path "C:\

SindyMorel\Security" -Recurse | Get-Acl



Part 3: Challenge Exercise – Remove Permissions from Security Department.

Permissions have been removed.