Using Access Control Lists to Modify File System Permissions on Windows Systems (3e)

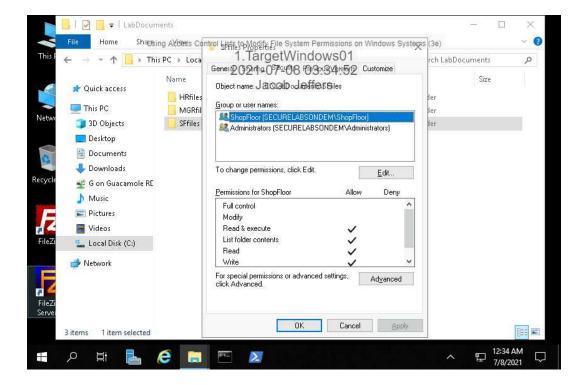
Security Strategies in Windows Platforms and Applications, Third Edition - Lab 02

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Time on Task:		Progress:
18 hours, 55 minutes		100%
Report Generated: Thursday, July 8, 2021 at 4:59 AM		

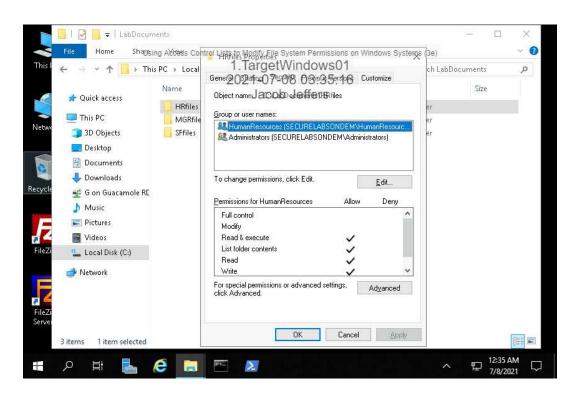
Section 1: Hands-On Demonstration

Part 1: View Existing ACLs on a Windows System

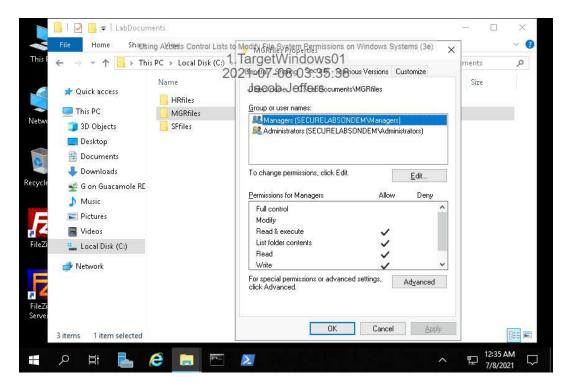
5. Make a screen capture showing the current permissions for the SFfiles folder.



12. Make a screen capture showing the current permissions for the HRfiles folder.



15. Make a screen capture showing the current permissions for the MGRfiles folder.



Part 2: Modify ACLs using lcacls.exe

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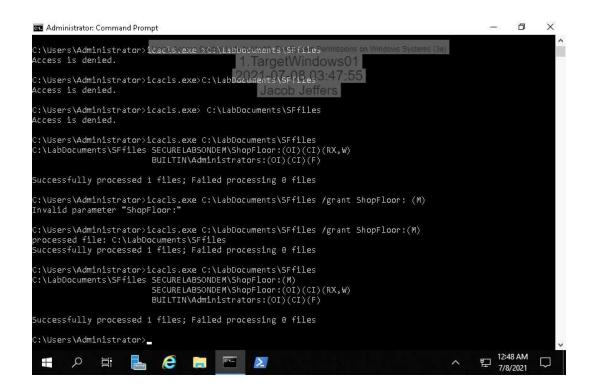
8. **Compare the results** of the icacls.exe command with the ACLs you reviewed in Part 1 of this lab. Do they match?

They do match. ShopFloor is able to read, write, and execute in both parts.

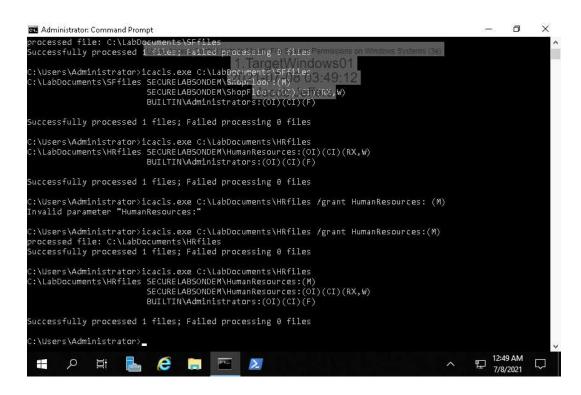
11. Compare the new results of this command with the results from step 7. You should notice that there is now a new line item for SECURELABSONDEM\ShopFloor. The grant command creates a new line item for any principal with permissions added through icacls.exe; technically, icacls.exe adds "special" permissions, which are visible by clicking the Advanced button in the folder Properties dialog box.

There is a new line which shows that ShopFloor has access to modify within the SFfiles folder.

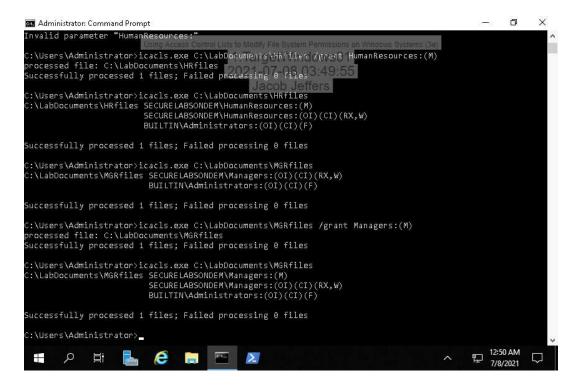
12. Make a screen capture showing the changes you made to the SFfiles folder permissions.



14. Make a screen capture showing the changes you made to the HRfiles folder permissions.



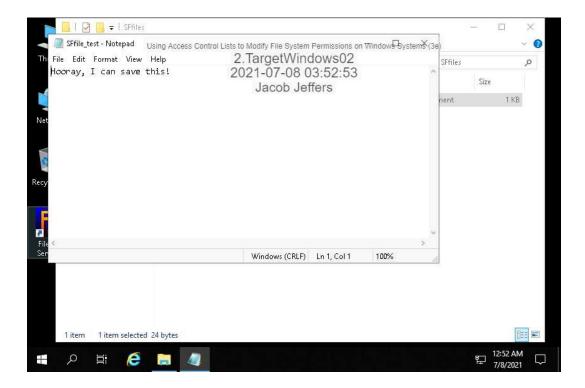
16. Make a screen capture showing the changes you made to the MGRfiles folder permissions.



Part 3: Validate ACL Settings

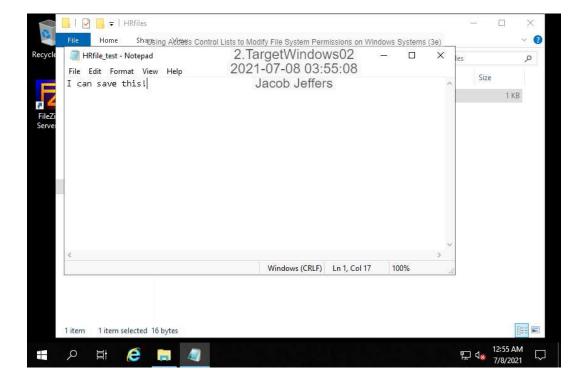
14. Make a screen capture showing the modified text file in the SFfiles folder.

The modified file will show a 1 KB value in the Size column, indicating that text has been added to the file.



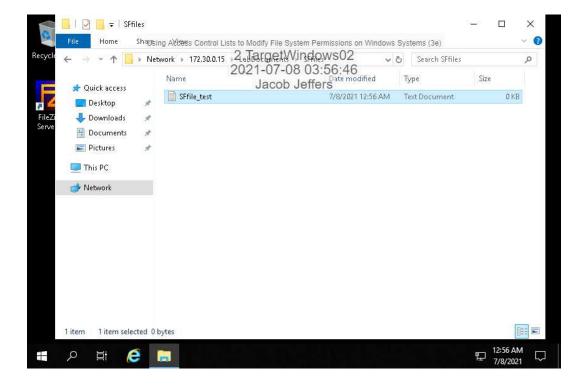
17. Make a screen capture showing the modified text file in the HRfiles folder.

The modified file will show a 1 KB value in the Size column, indicating that text has been added to the file.



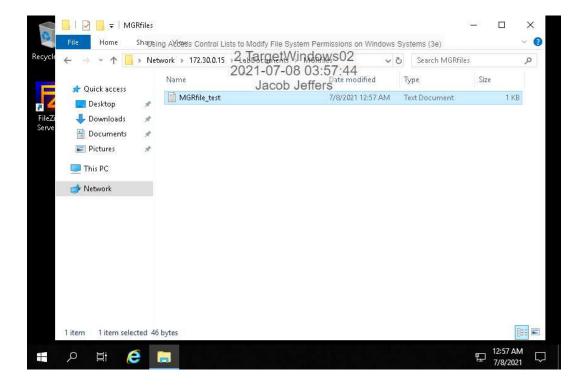
20. Make a screen capture showing the re-modified text file in the SFfiles folder.

The modified file will show a 0 KB value in the Size column, indicating that all text has been removed from the file.



21. Make a screen capture showing the modified text file in the MGRfiles folder.

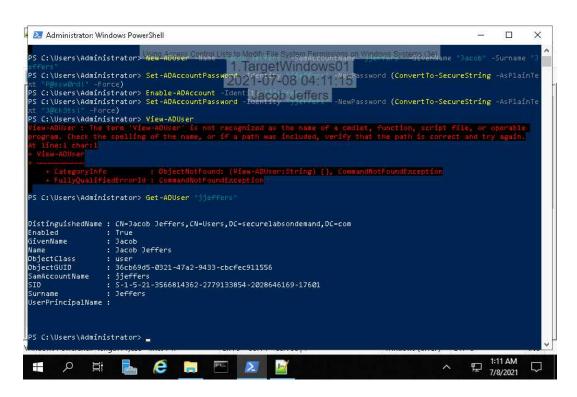
The modified file will show a 1 KB value in the Size column, indicating that text has been added to the file.



Section 2: Applied Learning

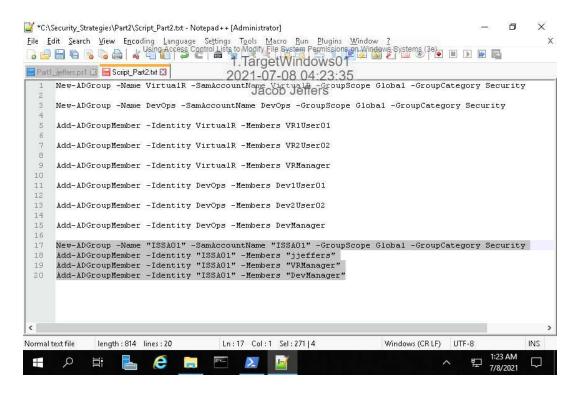
Part 1: Add a New User using a Script

3. Make a screen capture showing the new user account in this script.



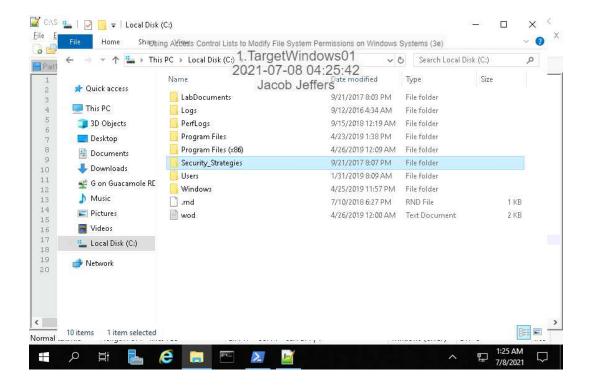
Part 2: Add a New Group using a Script

5. Make a screen capture showing the modifications you made to the script.



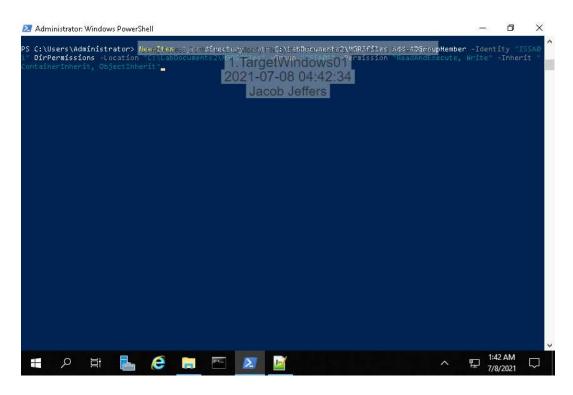
Part 3: Modify Permissions using a Script

2. Make a screen capture showing the current contents of the TargetWindows01 C: drive.

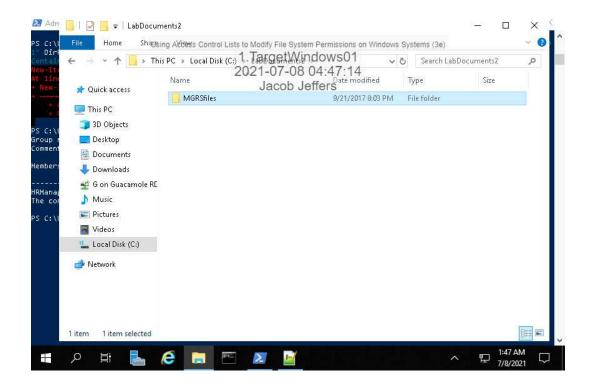


Part 4: Create Directories using a Script

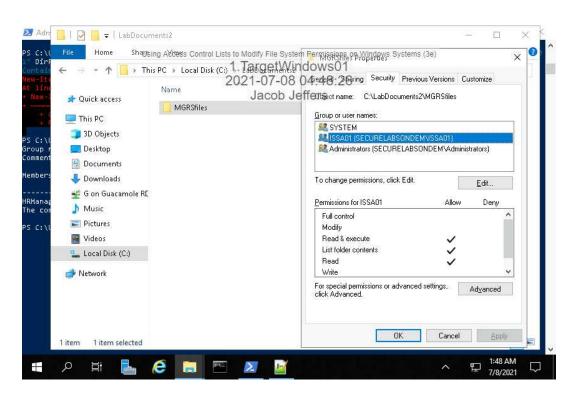
3. Make a screen capture showing the modifications to the final part of the script.



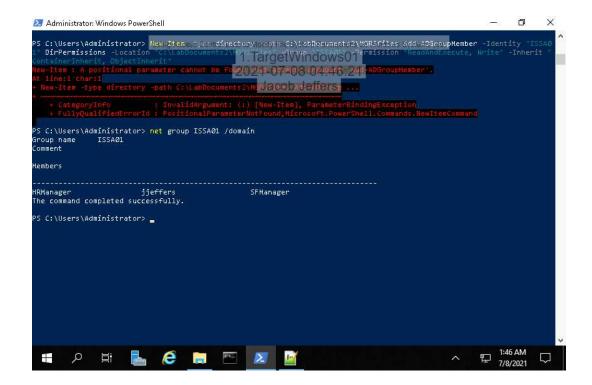
10. Make a screen capture showing the contents of the new LabDocuments2 directory.



12. Make a screen capture showing the permissions for the ISSA01 security group.



15. Make a screen capture showing the members of the ISSA01 security group.



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Section 3: Challenge and Analysis

Part 1: Analysis and Discussion

Explain how the principle of least privilege can be used in a corporate setting to protect corporate resources.

The principle of least privilege, for example, could prevent entry-level accountants from investigating details that only a senior accountant might have. This is useful for protecting resources in a corporate resources, and it provides confidentiality.

Part 2: Tools and Commands

Research ACLs on the Internet and identify the permissions required to rename existing files.

ACLs can be renamed using the WDAC command.

Part 3: Challenge Exercise

Describe the choices you've made.

I have granted the HR manager and the SF manager delete privileges using the command - *icacls.exe C:\LabDocuments\HRfiles /grant "HRManager":(D) and *icacls C:\LabDocuments\SFfiles /grant "SFManager":(D).

Make a screen capture showing your successfully executed icacls commands.

