

Windows 10 - Create Folders and Set File Permissions.

This presentation uses the command line to create folders and set file permissions. The presentation does use the graphical interface to copy files.

Operating System: Windows 10 Anniversary Update

Preuss

9/23/2016

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Recycle Bin

The presentation logs on to Windows 10.



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Command Prompt

Microsoft Windows [Version 10.0.14393]

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C:\Users\preuss&gt;cd Documents

C:\Users\preuss\Documents&gt;■

The presentation opens the command prompt as shown.  
The "cd Documents" command makes life a bit easier.

Sometimes the screen is very different. The complete  
command sequence to your Documents folder follows.

C:  
cd %HOMEPATH%\Documents

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Command Prompt

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Microsoft Windows [Version 10.0.14393]  
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C:\Users\preuss>cd Documents

C:\Users\preuss\Documents>md examples

C:\Users\preuss\Documents>cd examples

C:\Users\preuss\Documents\examples>■

The presentation makes life easier by creating another folder for this exercise as shown. Other names are possible for this folder. The important part is the name is not already in use.



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Command Prompt

C:\Users\preuss>cd Documents

C:\Users\preuss\Documents>md examples

C:\Users\preuss\Documents>cd examples

C:\Users\preuss\Documents\examples>md csci1110-1

C:\Users\preuss\Documents\examples>md csci1110-2

C:\Users\preuss\Documents\examples>dir

Volume in drive C has no label.

Volume Serial Number is BEB1-3CC0

Directory of C:\Users\preuss\Documents\examples

09/23/2016	08:44 AM	<DIR>	.
09/23/2016	08:44 AM	<DIR>	..
09/23/2016	08:44 AM	<DIR>	csci1110-1
09/23/2016	08:44 AM	<DIR>	csci1110-2
		0 File(s)	0 bytes
		4 Dir(s)	47,764,463,616 bytes free

The presentation enters the newly created folder. The presentation creates two folders and shows both folders now exist.

C:\Users\preuss\Documents\examples>





File Explorer

File Home Share View

Quick access > Search Quick access

Frequent folders (8)

- Desktop This PC
- Downloads This PC
- Documents This PC
- Pictures This PC
- cptr1104
- Word Module 1
- Word Module 2
- Word Module 3

OneDrive

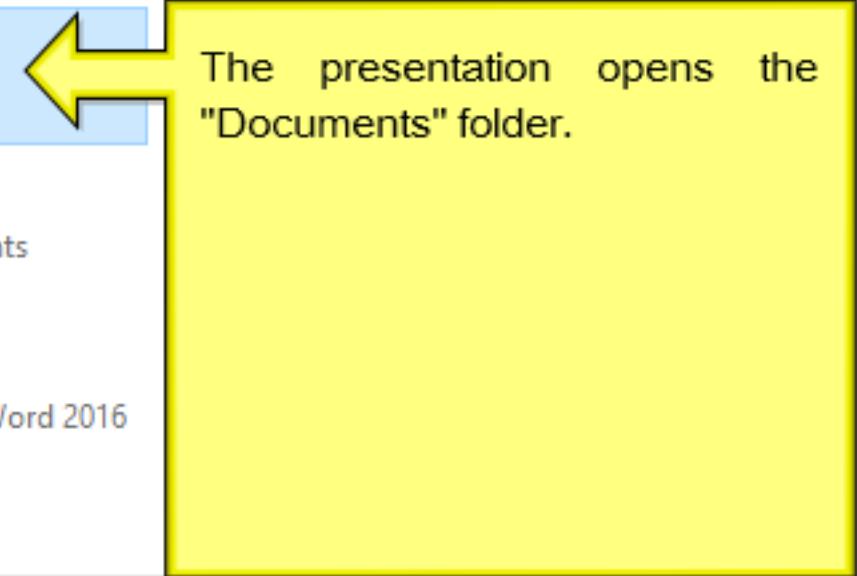
This PC

Recent files (20)

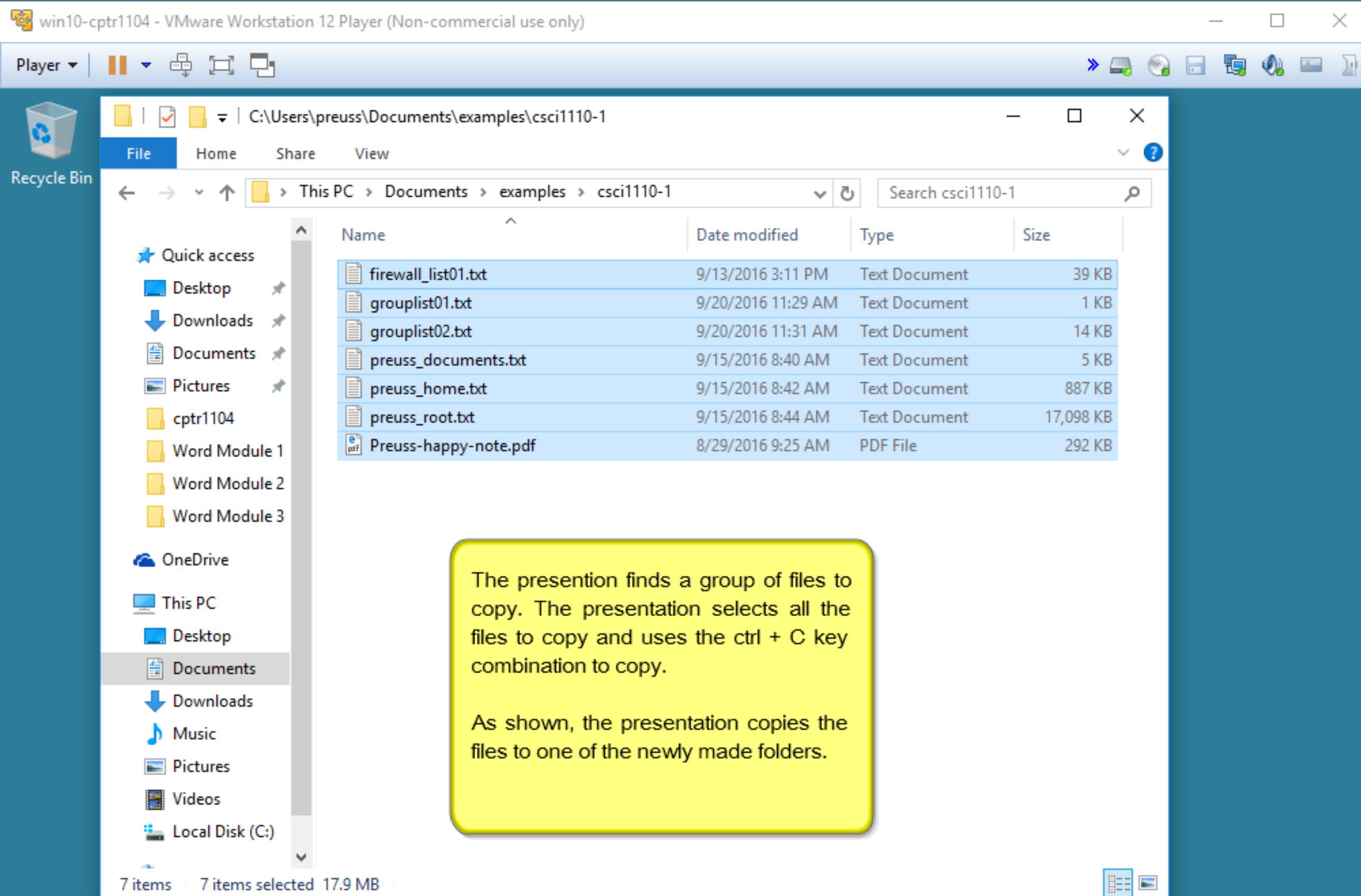
- 1104\_PPT.pdf This PC\Documents\cptr1104
- 1104\_AC.pdf This PC\Documents\cptr1104
- 1104\_EX.pdf This PC\Documents\cptr1104
- 1104\_WD.pdf This PC\Documents\cptr1104
- PPT 4-WISP.pptx This PC\Documents\cptr...\\PowerPoint Module 4
- DDT 2-RID.pptv This PC\Documents\cptr...\\PowerPoint Module 2

28 items | 1 item selected

The presentation opens the "Documents" folder.



A yellow callout box with a black border and a blue arrow points from the right towards the 'Documents' folder icon in the 'Frequent folders' list. The text inside the box reads: 'The presentation opens the "Documents" folder.'



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Recycle Bin

C:\Users\preuss\Documents\examples\csci1110-2

File Home Share View

This PC > Documents > examples > csci1110-2

Search csci1110-2

Name	Date modified	Type	Size
firewall_list01.txt	9/13/2016 3:11 PM	Text Document	39 KB
group01.txt	9/20/2016 11:29 AM	Text Document	1 KB
group02.txt	9/20/2016 11:31 AM	Text Document	14 KB
preuss_documents.txt	9/15/2016 8:40 AM	Text Document	5 KB
preuss_home.txt	9/15/2016 8:42 AM	Text Document	887 KB
preuss_root.txt	9/15/2016 8:44 AM	Text Document	17,098 KB

Quick access

- Desktop
- Downloads
- Documents
- Pictures
- cptr1104
- Word Module 1
- Word Module 2
- Word Module 3

OneDrive

This PC

Desktop

Documents

Downloads

Music

Pictures

Videos

Local Disk (C:)

6 items

The presentation finds a group of files to copy. The presentation selects all the files to copy and uses the **ctrl + C** key combination to copy.

As shown, the presentation copies the files to one of the newly made folders.



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Command Prompt

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C:\Users\preuss\Documents\examples&gt;cd csci1110-1

C:\Users\preuss\Documents\examples\csci1110-1&gt;

The presentation returns to the command line. The presentation enters one of the created folders.



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Command Prompt

C:\Users\preuss\Documents\examples\csci1110-1&gt;icacls \*

The icacls command lists the permission settings of the files and folders in the current folder.



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## Command Prompt

```
Rgroupelist02.txt NT AUTHORITY\SYSTEM:(I)(F)
    BUILTIN\Administrators:(I)(F)
    WIN10-CPTR1104\preuss:(I)(F)

Preuss-happy-note.pdf NT AUTHORITY\SYSTEM:(I)(F)
    BUILTIN\Administrators:(I)(F)
    WIN10-CPTR1104\preuss:(I)(F)

preuss_documents.txt NT AUTHORITY\SYSTEM:(I)(F)
    BUILTIN\Administrators:(I)(F)
    WIN10-CPTR1104\preuss:(I)(F)

preuss_home.txt NT AUTHORITY\SYSTEM:(I)(F)
    BUILTIN\Administrators:(I)(F)
    WIN10-CPTR1104\preuss:(I)(F)

preuss_root.txt NT AUTHORITY\SYSTEM:(I)(F)
    BUILTIN\Administrators:(I)(F)
    WIN10-CPTR1104\preuss:(I)(F)
```

This is a partial listing of the "icacls \*"

command.

Successfully processed 7 files; Failed processing 0 files

C:\Users\preuss\Documents\examples\csci1110-1>



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Command Prompt

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C:\Users\preuss\Documents\examples\csci1110-1&gt;net user

User accounts for \\WIN10-CPTR1104

-----  
Administrator                      DefaultAccount                      Guest

preuss                              tpreuss

The command completed successfully.

C:\Users\preuss\Documents\examples\csci1110-1&gt;

The presentation obtains a list of logons for the local system. The presentation will set permission for the "guest" account.



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Player | Command Prompt



## Command Prompt

```
C:\Users\preuss\Documents\examples\csci1110-1>icacls * /grant guest:(R,W)
processed file: firewall_list01.txt
processed file: grouplist01.txt
processed file: grouplist02.txt
processed file: Preuss-happy-note.pdf
processed file: preuss_documents.txt
processed file: preuss_home.txt
processed file: preuss_root.txt
Successfully processed 7 files; Failed processing 0 files
```

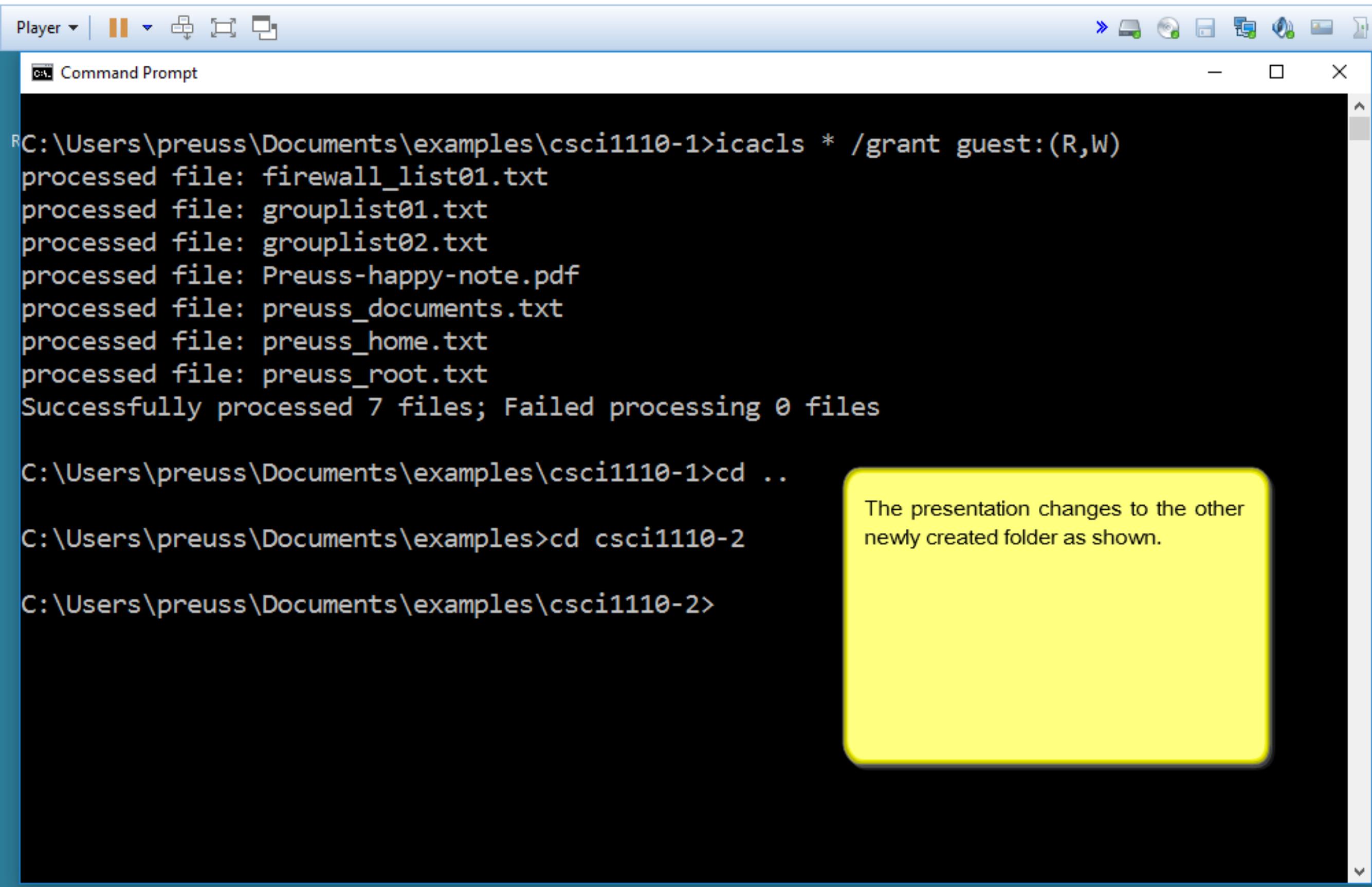
C:\Users\preuss\Documents\examples\csci1110-1&gt;

The icacls command will set permissions to be read only for guest, as shown.



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The presentation changes to the other newly created folder as shown.

```
C:\Users\preuss\Documents\examples\csci1110-1>icacls * /grant guest:(R,W)
processed file: firewall_list01.txt
processed file: grouplist01.txt
processed file: grouplist02.txt
processed file: Preuss-happy-note.pdf
processed file: preuss_documents.txt
processed file: preuss_home.txt
processed file: preuss_root.txt
Successfully processed 7 files; Failed processing 0 files
```

C:\Users\preuss\Documents\examples\csci1110-1>cd ..

C:\Users\preuss\Documents\examples>cd csci1110-2

```
C:\Users\preuss\Documents\examples\csci1110-2>icacls * /grant guest:(R)-
```

The `icacls` command will set permissions to be read only for guest, as shown.

Should read and write be desired for guest,  
replace (R) with (R.W) .

Player |



## Command Prompt

```
C:\Users\preuss\Documents\examples\csci1110-1>icacls * /grant guest:(R,W)
processed file: firewall_list01.txt
processed file: grouplist01.txt
processed file: grouplist02.txt
processed file: Preuss-happy-note.pdf
processed file: preuss_documents.txt
processed file: preuss_home.txt
processed file: preuss_root.txt
Successfully processed 7 files; Failed processing 0 files
```

```
C:\Users\preuss\Documents\examples\csci1110-1>cd ..
```

```
C:\Users\preuss\Documents\examples>cd csci1110-2
```

```
C:\Users\preuss\Documents\examples\csci1110-2>icacls * /grant guest:(R)
processed file: firewall_list01.txt
processed file: grouplist01.txt
processed file: grouplist02.txt
processed file: preuss_documents.txt
processed file: preuss_home.txt
processed file: preuss_root.txt
Successfully processed 6 files; Failed processing 0 files
```

The icacls command will set permissions to be read only for guest, as shown.

```
C:\Users\preuss\Documents\examples\csci1110-2>
```

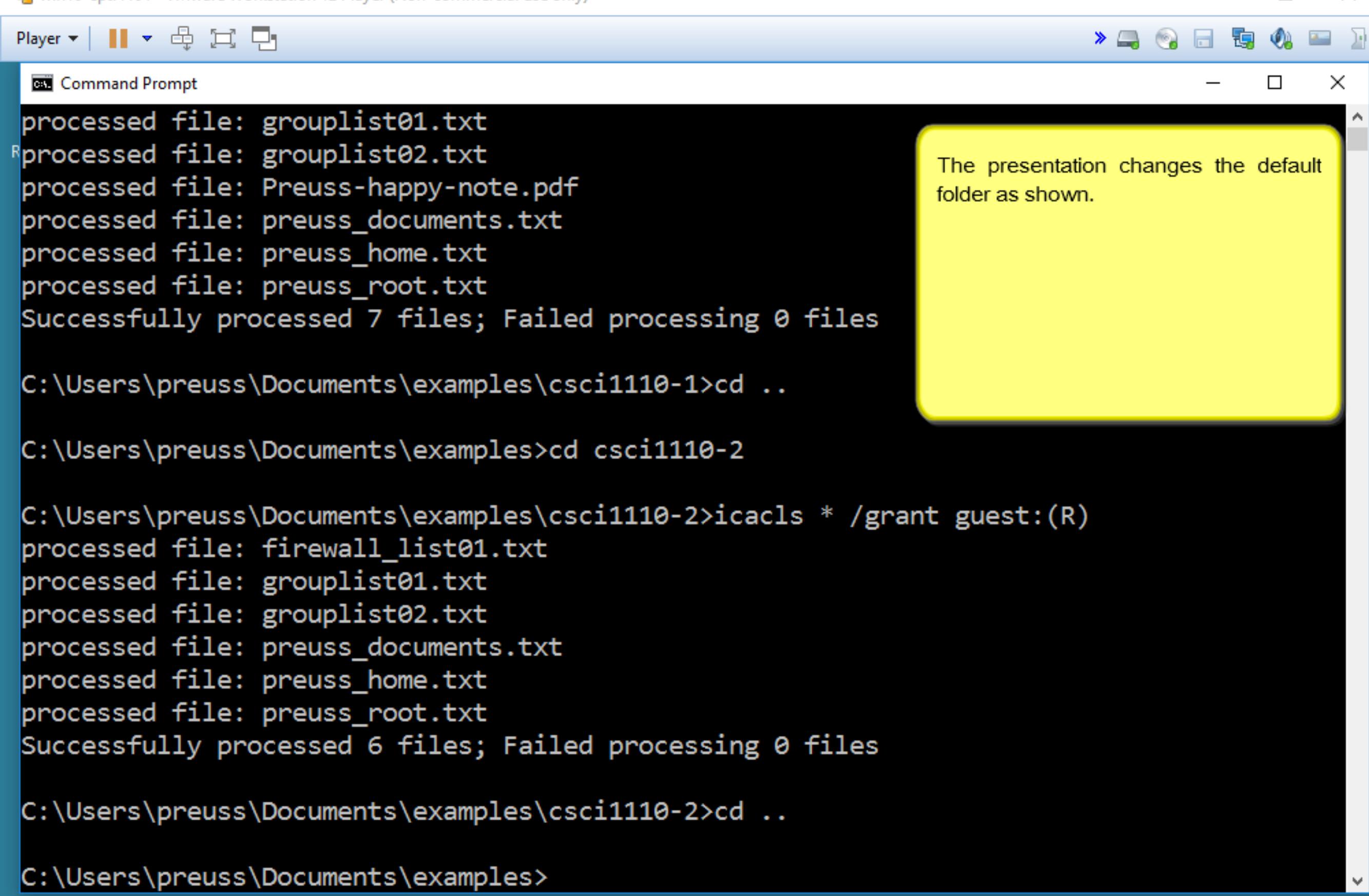


Search Windows



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The presentation changes the default folder as shown.

Player |



Command Prompt

```
C:\Users\preuss\Documents\examples>icacls * /T /C >> perm_rpt01.txt
```

The presentation uses the "icacls" command to report all the permission settings as shown.

The >> sends the output to a file named perm\_rpt01.txt. The name of the file may change. Ending the filename with .txt is recommended.



Search Windows



Player |



Command Prompt

— □ ×

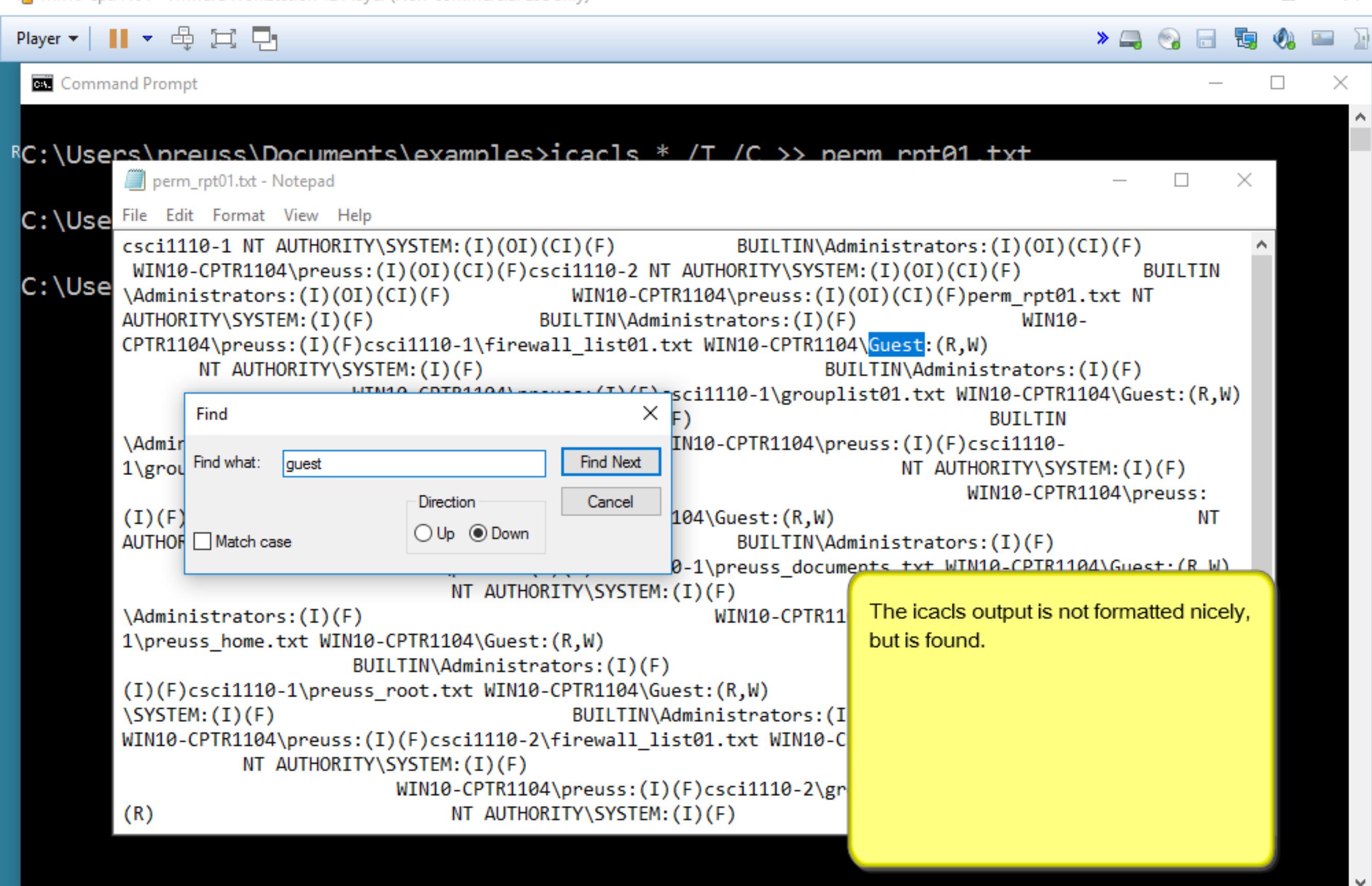
```
C:\Users\preuss\Documents\examples>icacls * /T /C >> perm_rpt01.txt  
C:\Users\preuss\Documents\examples>notepad perm_rpt01.txt
```

The presentation uses the command shown to see the results in notepad.



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The `icacls` output is not formatted nicely, but is found.