Chapter 12 Lab

Okay, now it’s your turn. Still assuming that you’re working on a Windows 8 or Windows Server 2012 computer, and still assuming you’re in PowerShell v3 (which comes with those operating systems). We’re also assuming that you’re working in a virtual machine or other machine that it’s okay to mess up a little in the name of learning – meaning please don’t do this in a production environment on a mission-critical computer!

Windows 8 and Windows Server 2012 include a module for working with file shares. Your task is to create a directory called LABS on your computer and share it. For the sake of this exercise you can assume the folder and share don’t already exist. Don’t worry about NTFS permissions but you need to make sure share permissions are set so that everyone has Read/Write access and Administrators have full control. Since the share will be primarily for files you want to configure the share’s caching mode for documents. Your script should show the new share and its permissions.

#hide the command output

mkdir C:\Labs | out-null

#import the module

import-module SMBShare

#this is a single line command

$share=New-smbshare -name 'LABS' -Path 'C:\Labs' -Description 'PowerShell Labs' -ChangeAccess 'Everyone' -FullAccess 'Administrators' -CachingMode Documents

#display the share object

Write-Output $share

#pipe the share object to Get-SmbShareAccess to display permissions

$share | Get-SmbShareAccess