PowerShell

ANR

Creating scripts

Exercise 1

a. Create a file *test.ps1*, that prints *Hello* to stdout when executed.
b. Create a file *files.ps1*, that creates files from *file1.txt* thru file*20.txt* all having content *Hello*.
c. Create a file *existence.ps1*, that checks whether a file exists. Test your script with a file named *a.txt*, that you can place in the user's *Downloads* folder.
d. (Bonus) Create a file *isAFile.ps1*, that checks whether a file system object is a file or a directory.

Exercise 2

Create a file *pings.ps1*, that uses the Cmdlet *Test-Connection* to reach hosts www.cisco.com, www.microsoft.com and www.google.com and saves the results in a file *ping-result.txt* . Use the Cmdlet Out-File for storing the results.

Exercise 3 (Bonus)

Create a file *randomfiles.ps1*, that creates 20 files with names *file-X.txt*, where each X is a random number in the range 1000 thru 9999 created within the script.

Hint: Use Cmdlet *Get-Random* to create the random numbers.

Exercise 4 (Bonus)

Create a script *processreport.ps1*, that matches the following requirements:

- change working directory to folder *Downloads* of the current user
- create a folder *Reports* therein
- redirect the output of *Get-Process* | *ConvertTo-CSV* to a file *processes.csv*
- redirect the output of *Get-Process* | *ConvertTo-HTML* to a file *processes.html*
- Switch back to original working directory

Subsequently take a look at the file *processes.html* in a web browser.