



## Common Parameters

### Preparation

Run a PowerShell as administrator.

Navigate to the folder containing the setup script `Commonparams.ps1` for this exercise.

Execute the following command to allow the execution of PowerShell scripts on your machine: `Set-ExecutionPolicy Unrestricted -Force`

Execute the setup script by typing `.\Commonparams.ps1` in the PowerShell. Make sure you don't forget the leading dot and back slash.

### Exercise 1

Run a PowerShell as administrator.

Check your current working directory either by looking at the PowerShell prompt or by execution the *Get-Location* Cmdlet. The path should be

`C:\Users\<USER>\Downloads\src` where `<USER>` is the name of the current user, i.e. your account.

- a. Copy the file *a.txt* to directory *dest* with the Cmdlet *Copy-Item*. Use the named parameters *-Path* and *-Destination* as well as the common parameter *-Verbose*.

*Hint:* Make sure your path to the destination begins with `.. \` to step back into the parent directory of both *src* and *dest*.

- b. Run the same command as in the previous part, but add the parameter *-Confirm* at the end. How does this change the behavior of *Copy-Item*?
- c. Try to copy the (non-existent) file *b.txt* to directory *dest* as well. What happens if you run the command?
- d. Sequentially try to add both of the error actions *SilentlyContinue* and *Inquire* as an additional parameter *-ErrorAction* to your failed copy command. Which error action seems preferable to you in this case?



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### Exercise 2

Set your working directory to *src*. If in doubt, check your working directory as explained in the previous exercise.

- a. Copy file *ro.txt* from *src* to *dest* with no common parameters.
- b. Repeat the previous command and investigate why it fails.
- c. Research the necessary parameter to force copying *ro.txt* to *dest* without removing the file in folder *dest* first and verify that it works by actually copying the file again. Also explain why the common parameter *-Confirm:\$False* will not work as desired here.
- d. Give reasons which error action you would choose if a copy command fails.