



Information

Use the Cmdlet *Get-Help* *<CMDLET>* to show the general help for a Cmdlet.

Use *Get-Command -Noun *<KEYWORD>**¹ to get a list of all Cmdlets dealing with the *<KEYWORD>*.

Use *Get-Command -Verb <ACTION>**² to show all Cmdlets available that implement the action *<ACTION>*.

These Cmdlets are useful if one does not know (or remember) the exact name of the desired Cmdlet. If the object that is to be manipulated is already known, the parameter *-Noun* can be used. If the object (keyword) is known, but not the exact action that should be performed on the object, the parameter *-Verb* is useful.

Exercise 1

For each of the following exercises note the appropriate Cmdlet in PowerShell. Search for the given keyword resp. the desired action. Afterwards execute the found Cmdlet and take notes of interesting aspects of



a. Print the current date. (Keyword: *Date*)



b. Print the computer's time zone. (Keyword: *Time*)

c. Print details of the current IP configuration (Keyword: *IPConfiguration*)
(Bonus: page the output).



d. Clear the content (more precise: the buffer) of PowerShell³. (Action: *Clear*)

e. Print detailed information about the system configuration. (Keyword: *Computer*)



Exercise 2

Use *Get-Help* to find out which parameters are available for the cmdlets from Exercise 1. Which parameters are available for all Cmdlets?

¹ The asterisks („stars“) are part of the command and must not be omitted. They are called *wildcards* in technical terms.

² See above

³ More precisely the buffer of output channel 1, the so-called *stdout* is flushed.



Exercise 5 (Bonus)

The PowerShell syntax highlighting can be persistently removed by deleting or renaming the folder *PSReadLine* at the location

C:\Program Files\WindowsPowerShell\Modules ⁴.

To temporarily deactivate syntax highlighting, use the Cmdlet *Remove-PSReadLine* (if available on your system).

⁴ Renaming is recommended, e.g. name the folder *PSReadLine.bak*, such that syntax highlighting can be turned on again without having to re-install the complete *PSReadLine* module.