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Module 2: Exploring Scripting

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PowerShell:

According to Microsoft the high level description of PowerShell is that PowerShell is a cross-platform task automation solution made up of a command-line shell, a scripting language, and a configuration management framework. Basically it is designed to allow power users or system administrators to automate repetitive tasks and manage system configurations even remotely if need be. It interests me because I used to build DOS scripts to help automate some of the more mundane tasks that my communications unit had while I was in the Army and I have recently used a little PowerShell to script out a some simple things such as an interactive form for building a folder for student files with two sub-folders embedded in it for some friends in the Military Veterans Program on OC. In order to do this I had to teach myself a little of the language and I think I could do things like automating searches for criteria for eliminating old files, generating lists that meet a certain criteria, or doing mass batch file renames. I like the capabilities that I see in the language though I am not really a fan of the syntax. I have never been formally trained in it and the little I do know just makes me want to see what I can do with the rest of it.

3 Sources that indicate that PowerShell is a scripting language

https://en.wikipedia.org/wiki/PowerShell

https://www.scriptrunner.com/lexicon/scripting/powershell-scripting-language/

https://locall.host/is-powershell-a-scripting-language-a-comprehensive-guide/

3 learning resources for learning PowerShell

https://learn.microsoft.com/en-us/training/modules/script-with-powershell/

<https://www.youtube.com/@PowershellOrg>

https://www.codecademy.com/enrolled/courses/learn-powershell

and to a lesser extent there is ChatGPT. I need to understand the basics of the language before I start using this tool all that much so that I can spot when it is feeding me junk or depreciated code but I learn a great deal from it.