PowerShell Golden Cmdlets

Learning these will make all the difference

Get-Command

- This cmdlet will help locate commands that you can run in PowerShell you use wildcards to search for commands, parts of the command or even the module that the command comes from.

- Examples:
  - Get-Command *Service
  - Get-command –Noun Service
  - Get-Command –Verb Get
  - Get-Command –Module Storage

Get-Help

- This cmdlet will assist us in understanding how to use a cmdlet, get help on a concept or even a PSProvider.

- Examples:
  - Get-Help Get-Service
  - Get-Help Get*
  - Get-Help About_*
  - Get-Help About_Comparison_Operators
  - Get-Help Registry

Get-Member

- This cmdlet will show us what type object is instantiated by a previous cmdlet or construct
- It will show us the object type/s and what members are part of that object;
  - Properties, Methods, Events.
- Examples:
  - Get-Service | Get-Member
  - "the quick brown fox" | Get-Member
  - Get-ChildItem | Get-Member
  - Get-Process | Get-Member -Force

PowerShell Objects

- Objects Have:
  - Properties – different types of information related to the object
  - Methods – Actions that you can take that are related to the object
- Examples
  - $Service = Get-Service –Name Spooler
  - $Service | Get-Member # This will allow you to see all properties and methods
  - $Service.Name # if you want a single property value for the name of the service
  - $Service.Start() # Methods are shown with () at the end, this will start the service
  - $Service | Select-Object –Property Name,Status # Shows both Name and Status properties

PowerShell Objects (Cont.)

- These are examples of methods related to strings
- $Data = "The Quick Brown Fox"
- $Data | Get-Member
- $Data.Replace("Fox","Snail")
  - The Quick Brown Snail
- $Data.ToUpper()
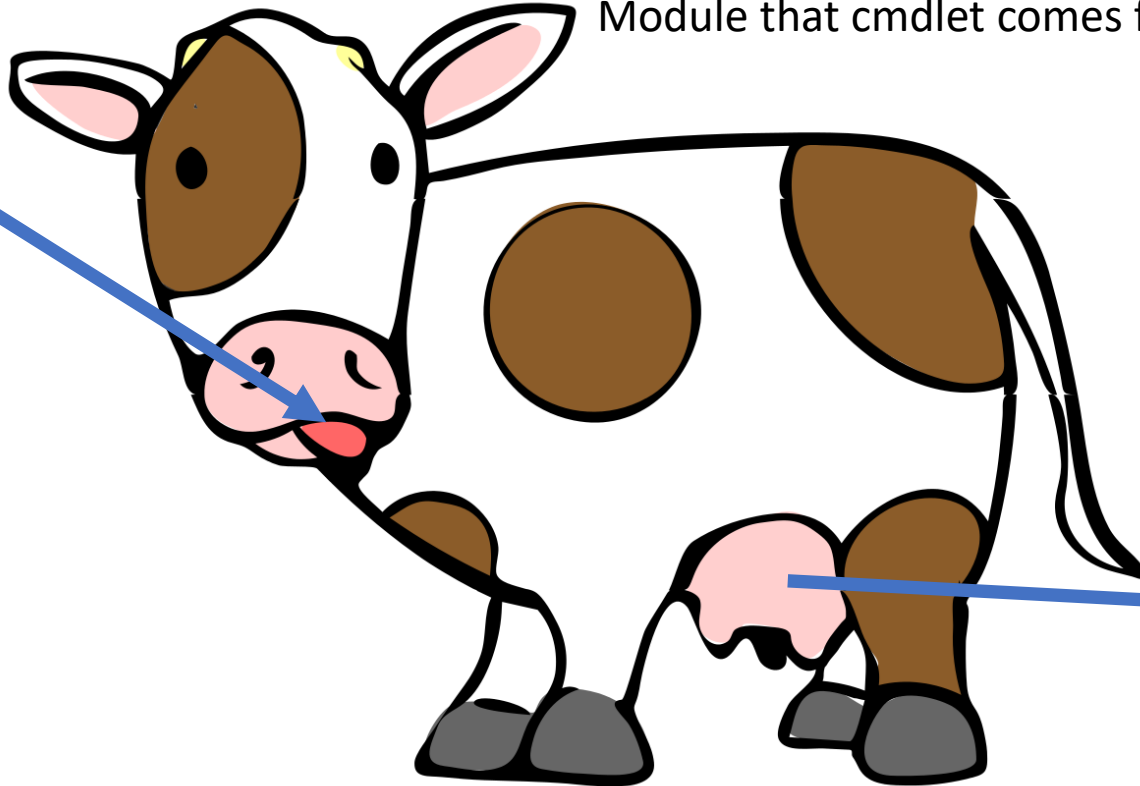 - THE QUICK BROWN FOX

The Big Picture (Cow)

1. Get-Command
What cmdlet to use
(Cmdlet name,
cmdlet type and
Module that cmdlet comes from)

2. Get-Help
Find out how to
feed the command
the right information
(General help,
Parameter info,
Cmdlet Syntax,
Examples)

3. Get-Member
What object did the
cmdlet produce as
output
(Object type, Properties
and Methods)
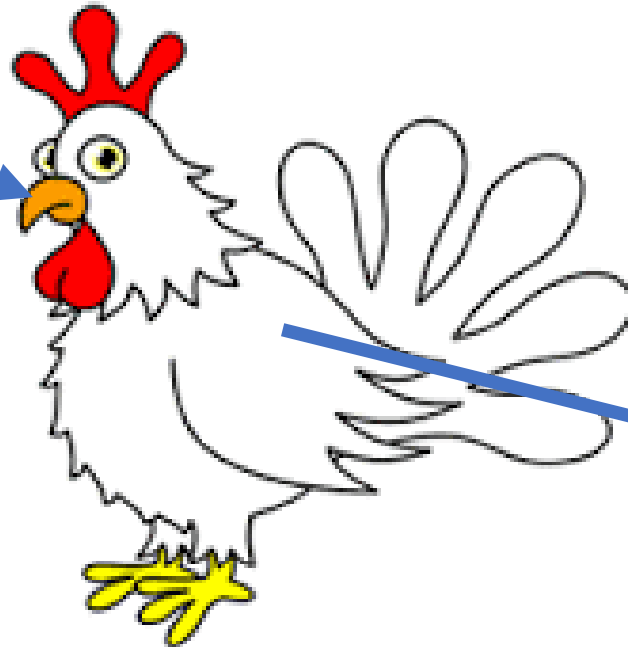
MILK

The Big Picture (Chicken)

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