Windows Server and PowerShell

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WINDOWS

Module 3 – Loops, flow and conditions

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- Different loops
  - Foreach
  - For…
  - | ForEach-Object
  - Do {} while ()
- Flow
  - If – elseif – else
  - Switch
  - operators

foreach

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- Not the same as | ForEach or | ForEach-Object
- Assigns a variable to next object in array for each iteration
- Does not support pipelining

Demo foreach

For

- Similar to for in batch scripts
- Increments by a set value
- Can be used in combination with array indexing

Demo for-loops

ForEach-Object

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- The preferred method of looping through arrays
- Utilizes the PowerShell pipeline, both input and output

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Demo ForEach-Object

Do – While - Until

- Used for loops that wait for a specific condition to occur
- Useful for waiting for a service or system to come online
- Can be used to pause a script

Demo Do – While - Until

If – Elself - Else

- Describes conditions that need to match to true
- Can be extended and nested
- All operators are allowed

Switch

- Does text match by default

Demo Do – While - Until