



Windows Server and PowerShell

Bert Wolters & Jaap Brasser

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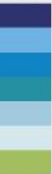
Module 3 – Loops, flow and conditions

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



foreach

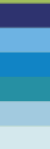
- Not the same as | ForEach or | ForEach-Object
- Assigns a variable to next object in array for each iteration
- Does not support pipelining





WINDOWS

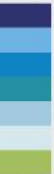
Demo foreach





For

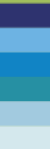
- Similar to for in batch scripts
- Increments by a set value
- Can be used in combination with array indexing





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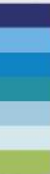
Demo for-loops





ForEach-Object

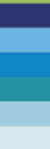
- The preferred method of looping through arrays
- Utilizes the PowerShell pipeline, both input and output





WINDOWS

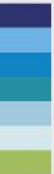
Demo ForEach-Object





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





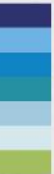
Demo Do – While – Until





If – Elself - Else

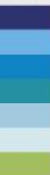
- Describes conditions that need to match to true
- Can be extended and nested
- All operators are allowed





Switch

- Does text match by default





Demo Do – While – Until

