Gathering Information with PowerShell

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@MichaelBender

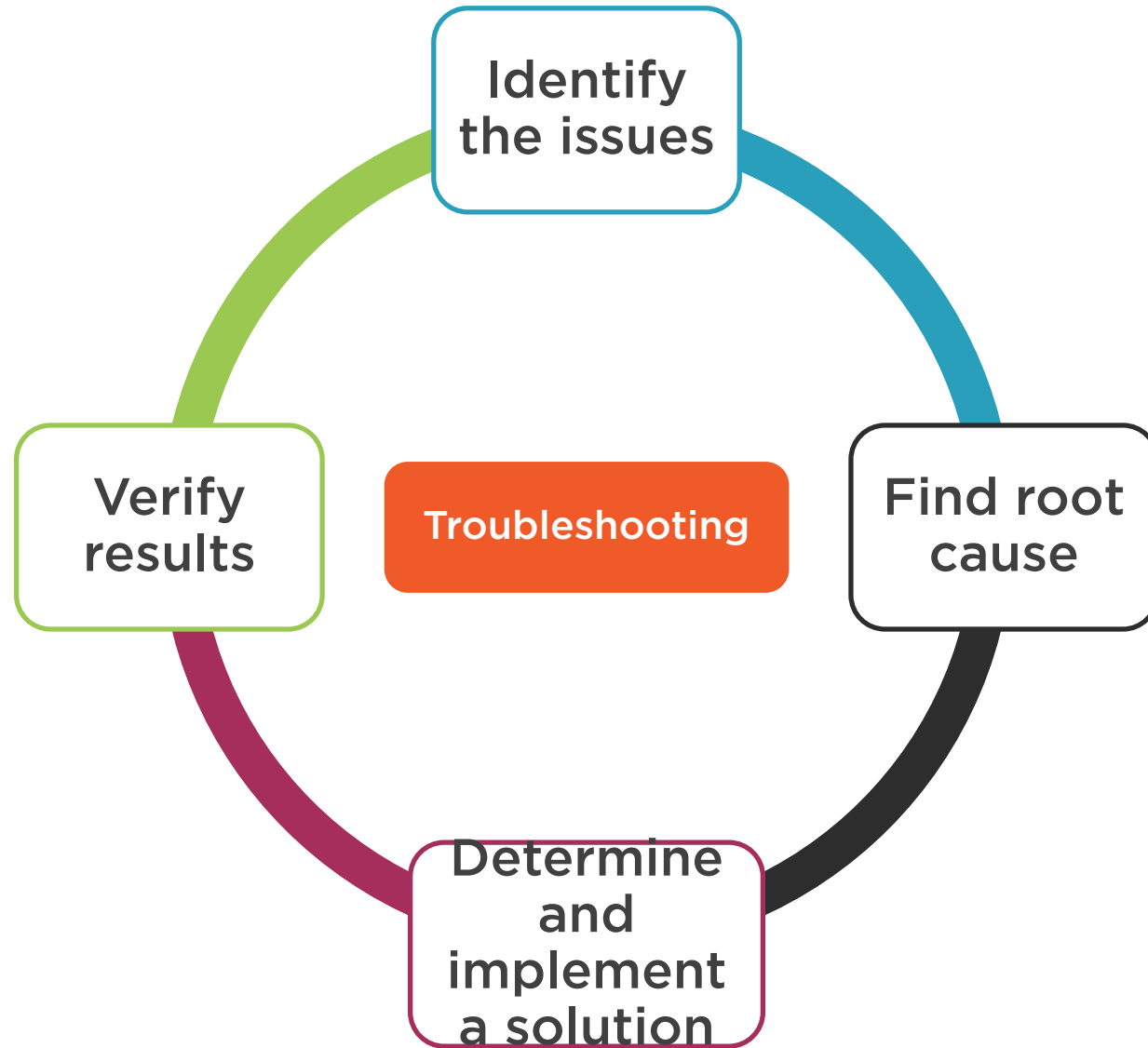# What We'll Cover

Troubleshooting made simple

Gathering information with PowerShell

Troubleshooting Made Simple

Identify the issues

Find root cause

Troubleshooting

Verify results

Determine and implement a solution

Gathering Information with PowerShell

Computer and hardware	Networking
Files and printers	Active Directory objects

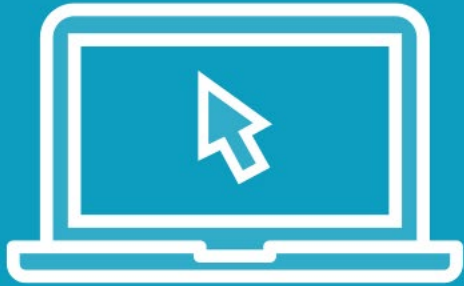# Gathering Info Process

1 Get-Command

2 Get-Help or Help

3 Get-Member

Demo

Finding your way in PowerShell

Gathering Operating System Information

Windows Management Instrumentation (WMI)

- Get-WMIobject

Common Information Model (CIM)

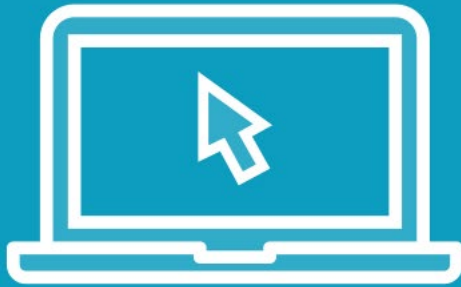- Get-CimInstance

| WMI Repository |
| CIMv2 |
| WIN32_Processor |
| Device ID | Name |

Demo

Gathering operating system and hardware information with PowerShell

Demo

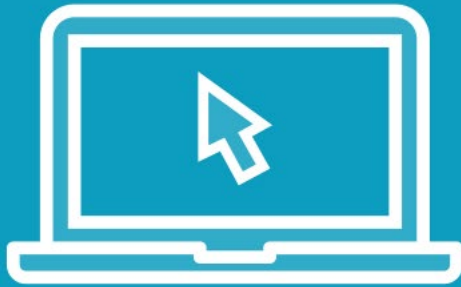Another option for gathering system information Get-ComputerInfo

Demo

Gathering networking information

Demo

Working with files and folders in PowerShell

What is Active Directory Domain Services?

Demo

Gathering Active Directory information in PowerShell

Wrap Up

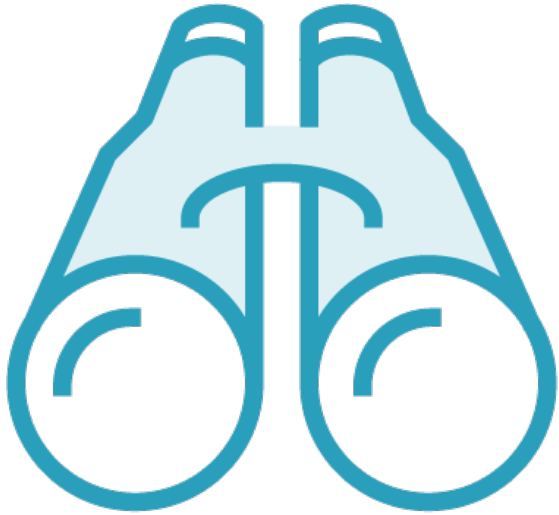**Have a set methodology for troubleshooting**

Get-Help

Get-Command

Get-Member

Next Up

Remoting with PowerShell