Building a Computer Inventory Script with PowerShell

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What We'll Cover

Running scripts in PowerShell

Basics of a parameterized script

Using the PowerShell ISE

Using Visual Studio Code

Building a remote information gathering script

PowerShell Script

Just a bunch of commands from the CLI

.PS1 extension

Tools for automation

It's not programming

Demo

Running scripts in PowerShell

Demo

Using PowerShell ISE

Demo

Using Visual Studio Code

Script Basics

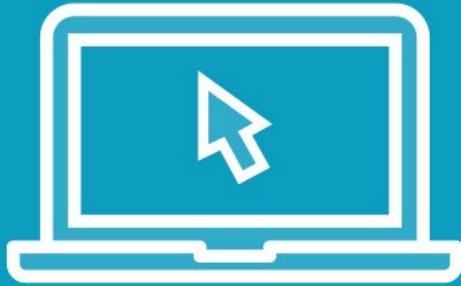|	
Variables	**Parameters**
Logic	**Member enumeration**

Demo

Working with script basics

Building a Parameterized Script

Run all commands as one-liners

Add variables and parameters

Add logic to run for multiple instances

Keep It simple!

Demo

Walking Through Parameterized Script Steps

Information to Gather in Script

- Operating System Information

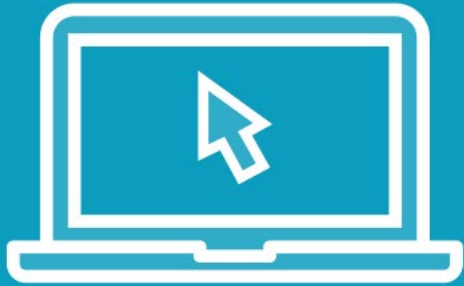- Disk Free Space

- Amount of System Memory

- Last Reboot of System

- IP Address & DNS Name

- Write Output to Screen

Demo

Building a remote information gathering script

- Determine Script Tasks
- Building Commands
- Adding commands to script
- Creating variables and parameters
- Running against remote systems
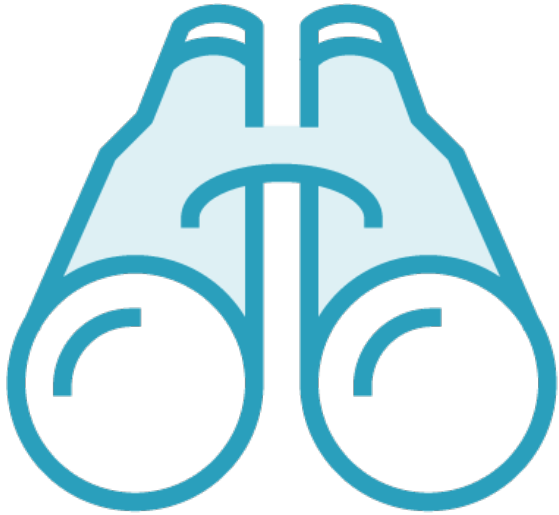
Wrap Up

Set-ExecutionPolicy

VS Code

Parameters

Logic

Member enumeration

Keep it simple

Next Up

Next steps