

PowerShell: Getting Started

INTRODUCTION TO POWERSHELL



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Course Breakdown

**Introduction to
PowerShell**

PowerShell Basics

**Gathering Information
with PowerShell**

**Remoting with
PowerShell**

**Building a User
Inventory Script with
PowerShell**

Next Steps



Who Is This Course For?



**Entry-level IT
Professional**



IT Career Students



**1st Level Help
Desk/Desktop
Support Technician**



What You Should Know



Networking basics



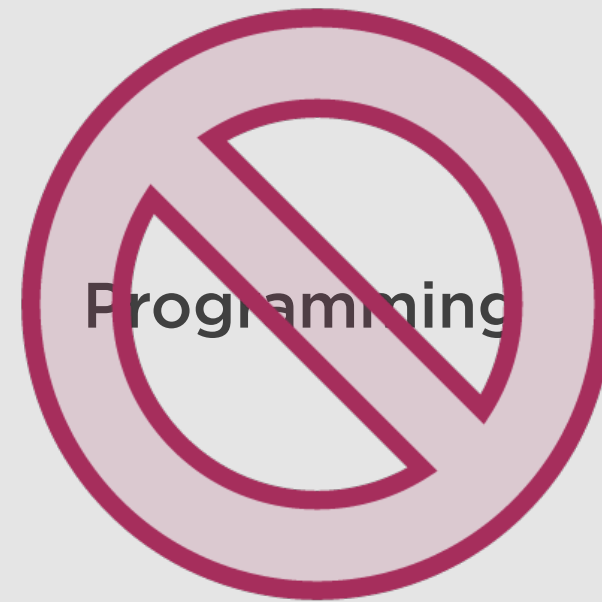
Client/Server basics



General troubleshooting skills



What You **Don't** Need to Know



What is PowerShell?



Windows PowerShell

Based on .NET Standard

Built into Windows

Windows only

Feature complete

Full set of Windows PowerShell commands



PowerShell 7

Based on .NET Core

Download from GitHub

Runs on Windows, Linux, and Mac OS

Open source development

Subset of Windows PowerShell commands



Demo



Installing PowerShell 7 on Windows 10

- Download installer
- Perform Installation



Why You Need to Know PowerShell

**Baked into
Microsoft Tools**

Automation

Multi-platform

Better than a GUI

Certification

**Everybody is
using it**



Demo



Using PowerShell to report on stopped server services

- Get-service
- Where-object
- Select-object



Course Demo Environment



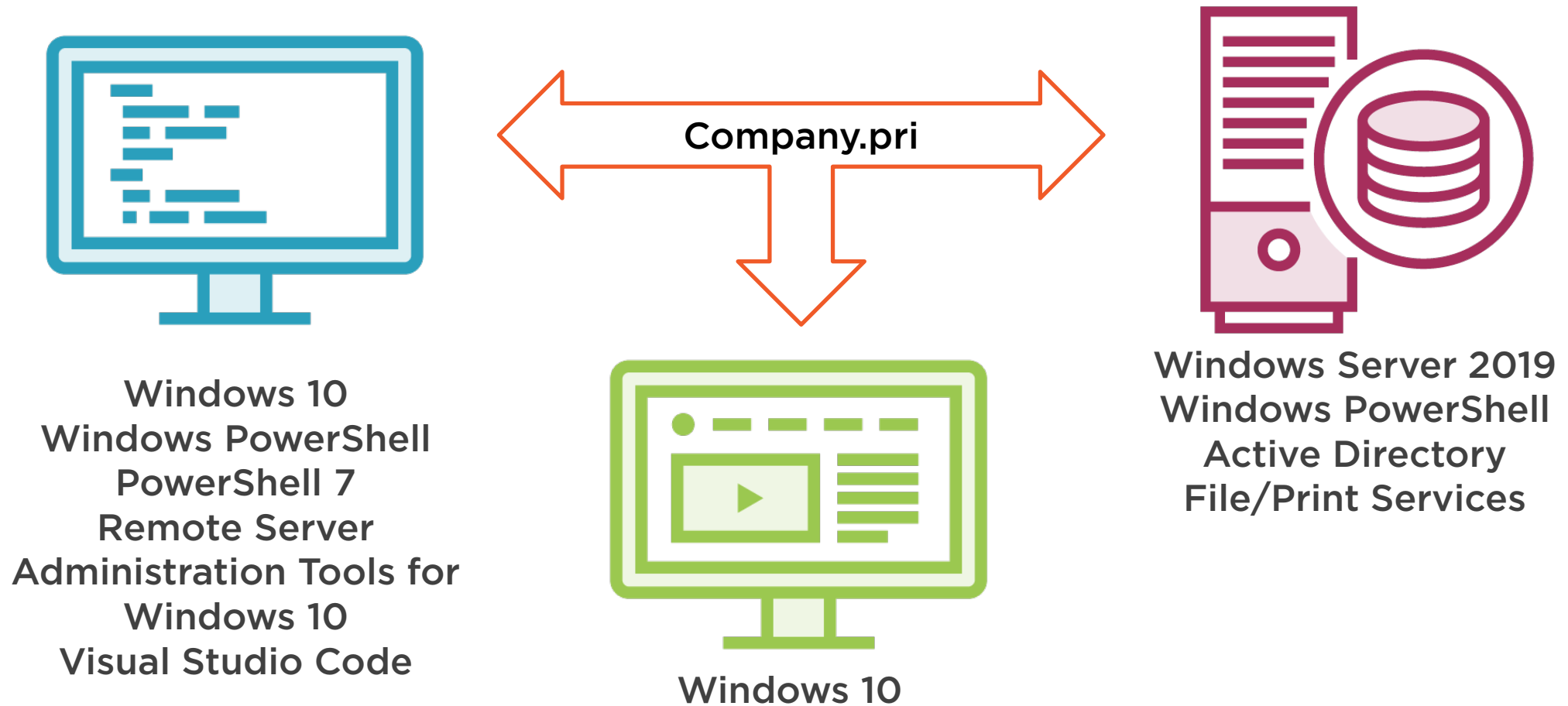
Windows 10
PowerShell V5.1
PowerShell 7
Remote Server
Administration Tools for
Windows 10



Windows Server 2019
PowerShell V5



Course Demo Environment



Demo

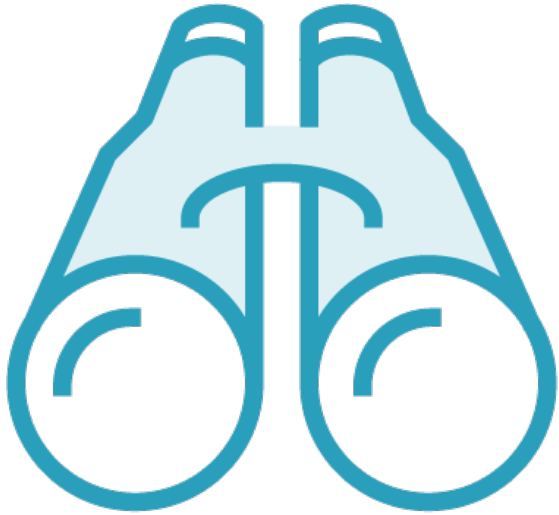


Introduction to PowerShell Environment

- Introduction to Windows PowerShell Console
- Installing RSAT Tools on Windows
- Introduction to PowerShell 7 Console



Next Up



Basics of PowerShell

