

Building Applications in PowerShell

This Building Applications in PowerShell training covers how to harness PowerShell's potential and build your own applications that automate otherwise redundant tasks and pull data from your network. Many sysadmins know the PowerShell commands that can automate some redundant tasks or access user information on their networks. But the strength of PowerShell really shines through with writing custom applications that do that work for you.

[CBT Nuggets course material](#) →

WEEK 1

Configure Visual Studio Code for PowerShell Development

155 min.

Why Use Visual Studio Code?	9
Install Visual Studio Code and PowerShell Extension	9
Explore the VSCode PowerShell Extension Features	8
Configure PowerShell Extension	10
Pester PowerShell Tests in VSCode	5
Static Code Analysis with PSScriptAnalyzer	7
Git Integration with VSCode	6
Interactive PowerShell Debugging in VSCode	9
Remote Containers with PowerShell	8
Gathering Logs and Sending Feedback	3

Create Terminal UIs with PowerShell

Overview	1
Introduction to PowerShell Terminal User Interfaces (TUIs)	5
Exploring a PowerShell TUI: Out-ConsoleGridView	7
Examining the PowerShell Host Interface	10
Colored Text Output in PowerShell with ANSI Escape Codes	12
Adding Emojis to PowerShell Scripts	7
Drawing Unicode Box Characters in PowerShell	9
Helper Functions for Drawing Boxes	4
Implementing Keyboard Controls in PowerShell Terminal UIs	9
Implementing a Robust Event Loop for PowerShell TUIs	6
Playing Sound with PowerShell	4

Putting it All Together into an Application 6

WEEK 2

4 min.

Review and Call to Action: PowerShell Terminal UIs 3