Getting Started with the Debugger

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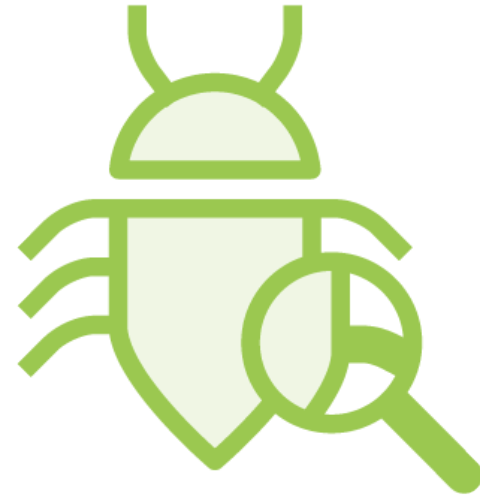
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Ways to Debug PowerShell

Command Line Debugger

Visual Studio Code Debugger

Breakpoints

A point in a program where the debugger is intentionally signaled to suspend execution

Types of Breakpoints

Line breakpoints

Function breakpoints

Conditional breakpoints

Tracepoints

Variable Groups

Auto	**Local**
Script	**Global**

Watch

An expression or variable whose current value you wish to track during the debugging session

Callstack

- A data structure that keeps track of the program's state

- Using breakpoints allows you to interact with different stack frames

Debugging Actions

Keyboard Shortcut	Action
F5	Continue
F10	Step Over
F11	Step Into
Shift + F11	Step Out
Ctrl + Shift + F5	Restart
Shift + F5	Stop

Debug Configuration Options for PowerShell

PowerShell Launch (current file)

PowerShell Attach to Host Process

PowerShell Interactive session

PowerShell Script Configuration

Demo

Debugger Navigation

Breakpoints

- Line, Function, Conditional & Tracepoints

Debugger Actions

Watch

Callstack

Summary

Types of Debuggers for PowerShell

Introduction to the VS Code Debugger

Breakpoints
- Line, Function, Conditional Breakpoints
- Tracepoints

Variable Scopes

Watchers

Callstack

Debugger Actions