# CYBER RANGERS

ARMORING YOUR BUSINESS

# POWERSHELL BASIC SCRIPTING
# MODULE 8: FROM ONELINER TO SCRIPT

## Jan Marek | Cyber Rangers

CEH | CHFI | CompTIA Pentest+ | CEI | MVP | MCT | MCC | MCSA | MCSE

Ethical Hacker, Forensic Investigator & Security Engineer

jan@cyber-rangers.com | www.cyber-rangers.com

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# AGENDA

- Transforming basic PowerShell commands and oneliners into a script

- Script parameters

- Script structure best practices

- Error Handling

- Basic debug strategies

# TRANSFORM ONELINER TO SCRIPT

```powershell
$ProcessName = 'notepad'
Get-Process -Name $ProcessName
```

# SCRIPT PARAMETERS

```powershell
[cmdletbinding()]
param(
    [Parameter(Mandatory)][string]$Text
    )


Write-Host ('Text is {0}' -f $Text)
```

# ERROR HANDLING

```
try {
    Get-Process -Name 'fakeprocess' -ErrorAction Stop
}
catch {
    'Error gathering process' | Out-File 'C:\log.txt' -Append
}
finally {
    '------------------------' | Out-File 'C:\log.txt' -Append
}
```

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# DEBUGGING STRATEGIES

```powershell
Start-Transcript


Write-Verbose 'Verbose log record'


Set-PSBreakpoint -Line 33 -Script 'C:\myscript.ps1'
```

# LAB

# Q & A

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