



CYBER RANGERS  
ARMORING YOUR BUSINESS



# POWERSHELL BASIC SCRIPTING

## MODULE 6: BACKGROUND JOBS AND SCHEDULED JOBS

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# AGENDA

- How to make some operations fast
- How to create scheduled PowerShell jobs



# BACKGROUND JOBS

- Run command in background using native cmdlet feature

```
Invoke-Command -ComputerName dc -ScriptBlock {  
    Get-ChildItem -Path C:\ -Recurse  
} -AsJob
```

Get-Job

- Run any command in background

```
Start-Job -Name FullCListing -ScriptBlock {  
    Get-ChildItem -Path C:\ -Recurse  
}
```

```
Get-Job -Name FullCListing | select-object -ExpandProperty command  
wait-job -Name FullCListing  
Receive-Job -Name FullCListing -Keep
```



# SCHEDULED JOBS

- It's not a Scheduled Task!
- Specific scheduling feature built specifically for PowerShell
- First, define Scheduled Job options and trigger

```
$ScheduledJobOption = New-ScheduledJobOption -RunElevated  
-HideInTaskScheduler -StartIfOnBattery -RequireNetwork  
$JobTrigger = New-JobTrigger -AtLogOn
```

- Second, register Scheduled Job

```
Register-ScheduledJob -Name CreateRandomFolder -Trigger $JobTrigger  
-ScheduledJobOption $ScheduledJobOption -ScriptBlock {  
    New-Item -ItemType Directory -Path C:\ -Name (Get-Random)  
}
```

# LAB





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