LESSON 1



PS>

Welcome to PowerShell

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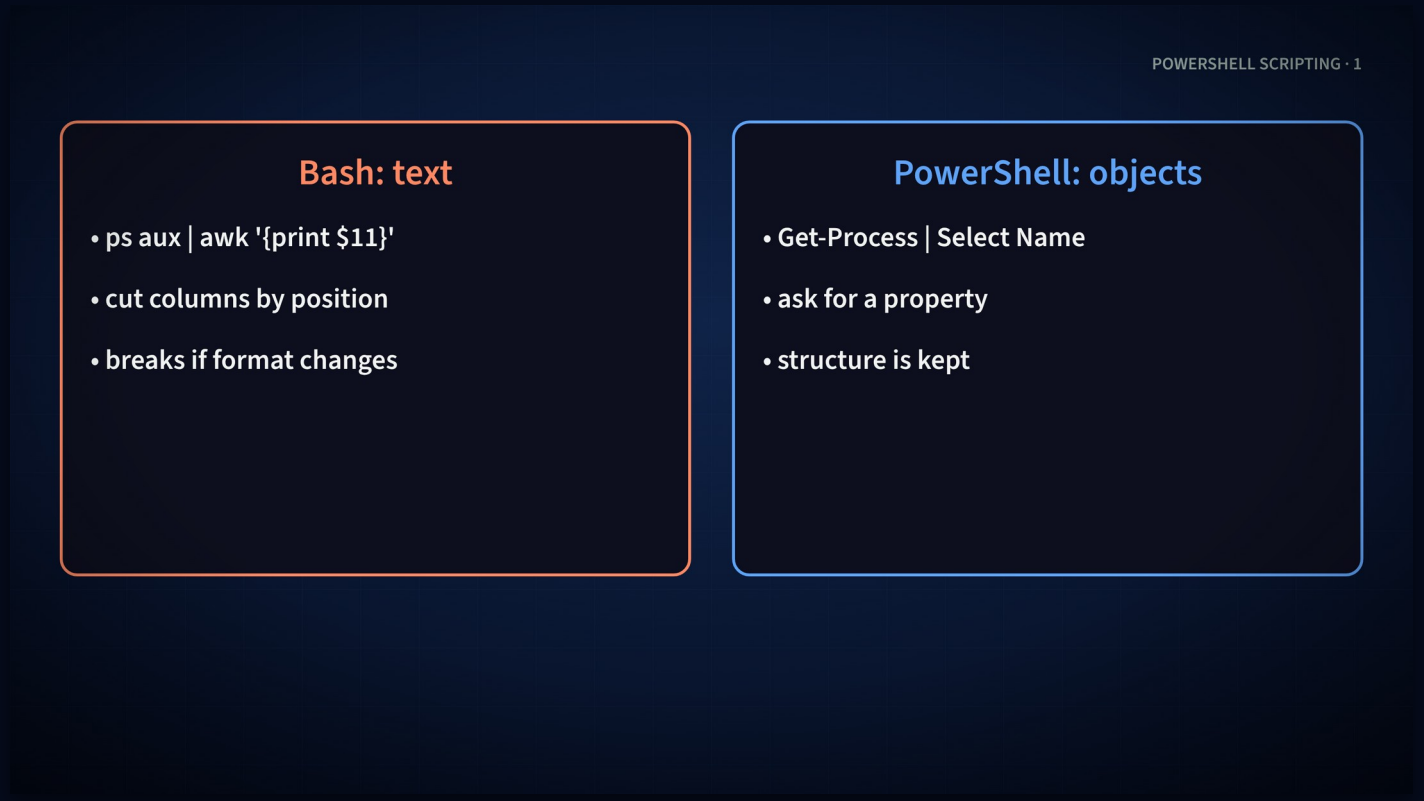
POWERSHELL SCRIPTING

LESSON 1

Welcome to PowerShell

Objects not text, pwsh on every platform, verb-noun commands and Get-Help

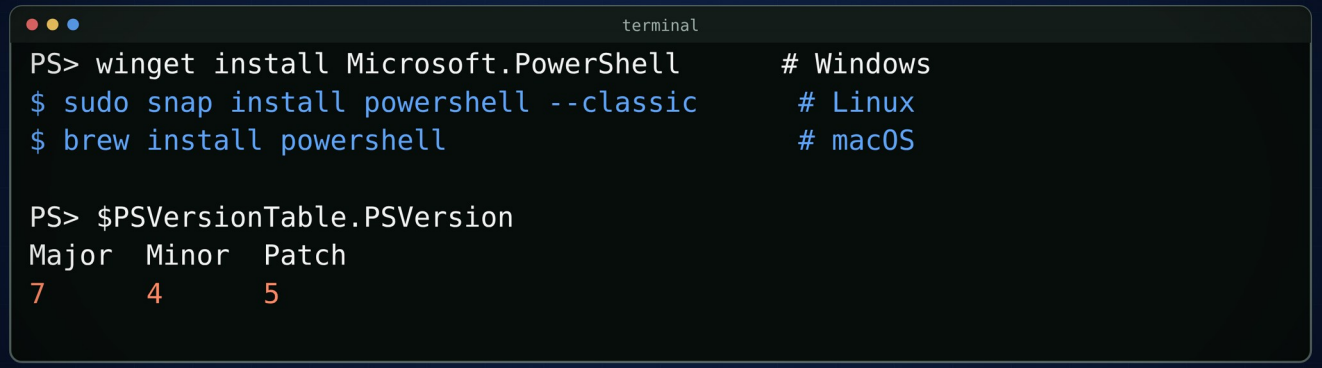
What Is PowerShell?



- PowerShell is a shell and scripting language from Microsoft. Its big idea: commands output ...
- So you never cut columns out of text. You ask for the property you want, like the Name or ...

01

PowerShell 7 Everywhere



- Windows PowerShell 5.1 comes with Windows. The modern version, PowerShell 7, called pwsh, ...
- This course uses PowerShell 7. Install it, then type pwsh in any terminal to start.

02

Verb-Noun Commands

Verb	Examples
Get	Get-Process · Get-Service · Get-ChildItem
Set	Set-Location · Set-Content
New	New-Item · New-Object
Remove	Remove-Item · Remove-Variable
Start / Stop	Start-Service · Stop-Process

- PowerShell commands are called cmdlets and are named verb dash noun: Get-Process, ...
- Because names are predictable, you can often guess a command. Get-Verb lists the approved ...

03

Finding Your Way: Get-Help and Get-Command

terminal

```
PS> Get-Command -Noun Service
PS> Get-Command *process*
PS> Get-Help Get-Process -Examples
PS> Update-Help -ErrorAction SilentlyContinue
```

- Get-Command finds commands, for example everything with the noun Service. Get-Help shows …
- Run Update-Help once to download the full help files. These two commands are how …

04

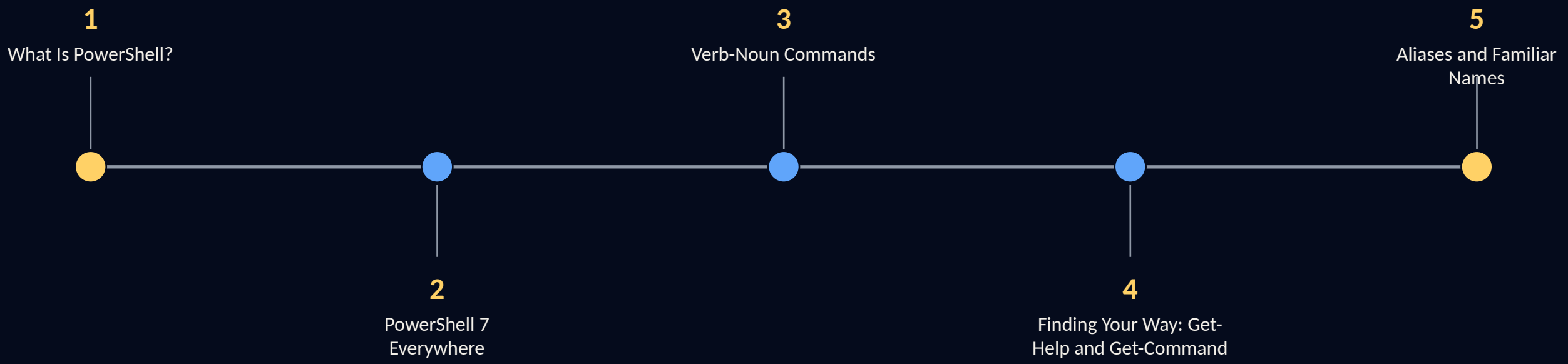
Aliases and Familiar Names

Alias	Full cmdlet
ls · dir · gci	Get-ChildItem
cd · sl	Set-Location
cat · gc	Get-Content
ps · gps	Get-Process
? · where	Where-Object

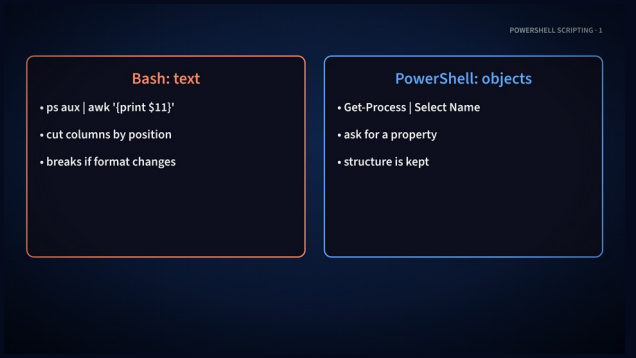
- PowerShell has aliases so you feel at home: ls, dir and gci all run Get-ChildItem, and cd …
- Use aliases when typing, but write full cmdlet names in scripts so others can read them.

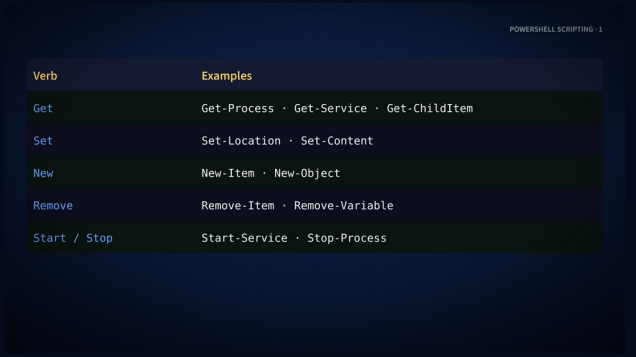
05

Lesson Map


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Aliases and Familiar Names

Sources and Further Reading





Thank you for watching

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