

Diving into PowerShell



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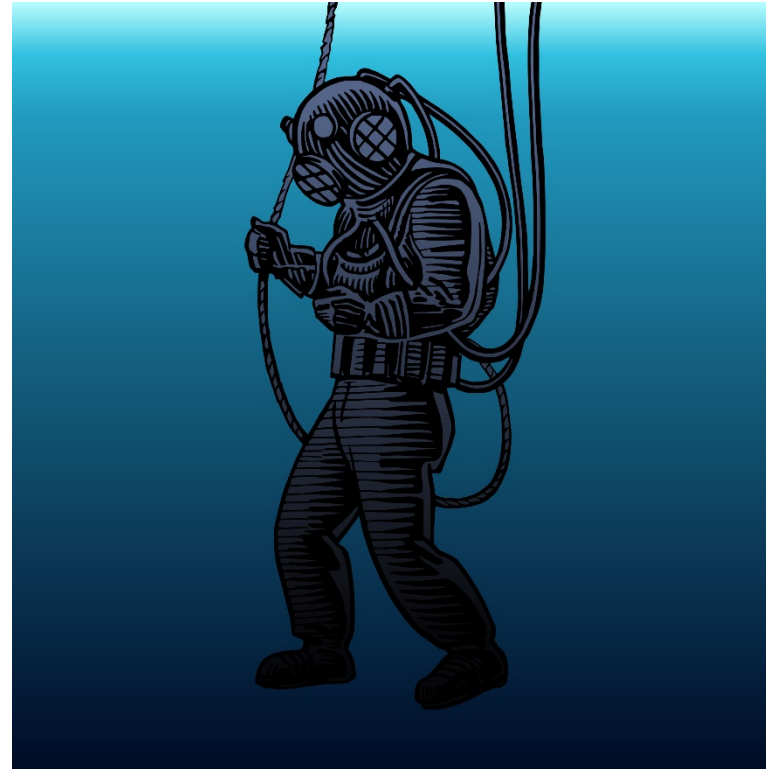


PowerShell is a
management *engine*

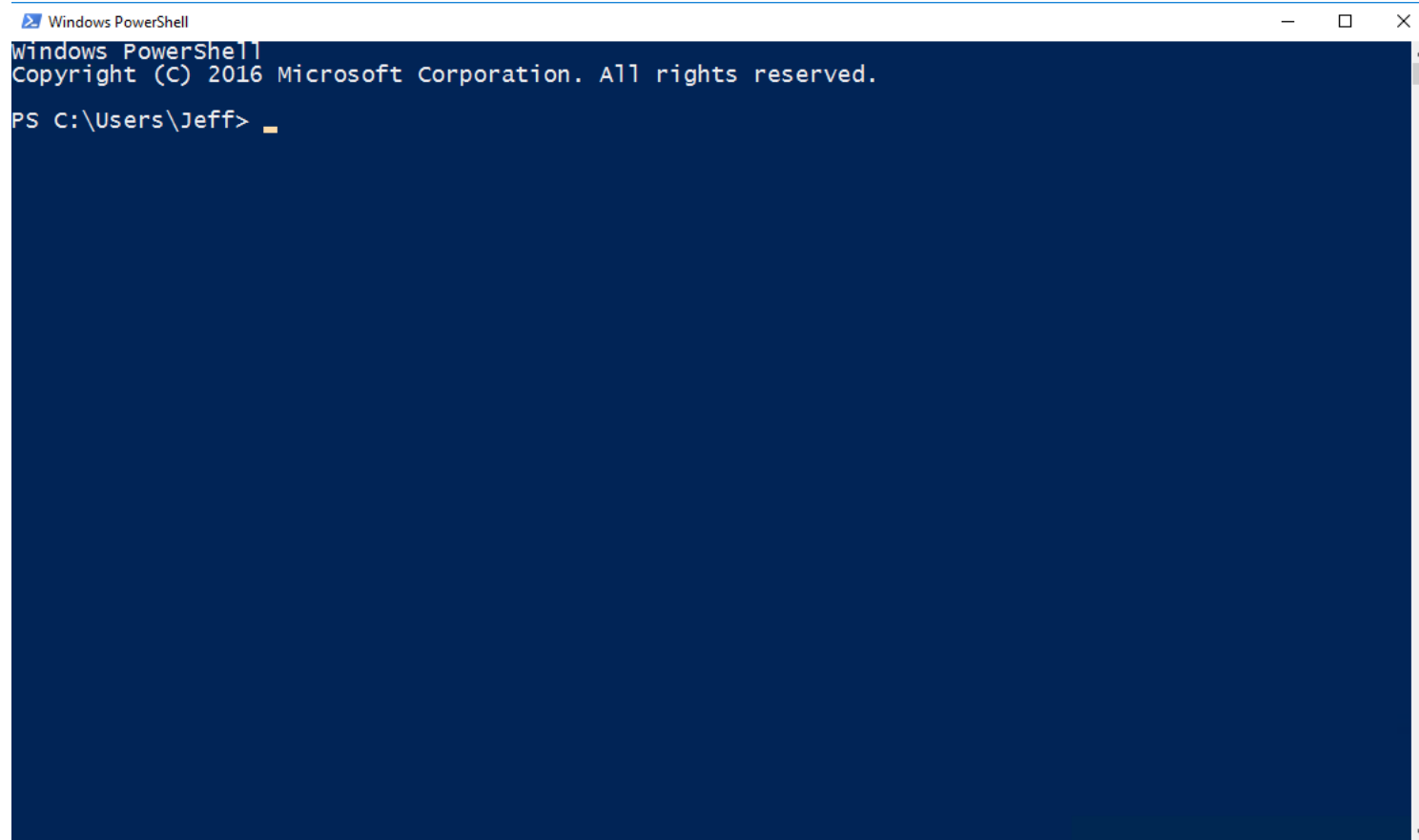
Built on the .Net
Framework

Hosted by an
application

Commands and
experience might differ



Traditional Console

A screenshot of a Windows PowerShell console window. The window has a title bar with the text "Windows PowerShell" and standard minimize, maximize, and close buttons. The main area has a dark blue background with white text. The text displayed is: "Windows PowerShell", "Copyright (C) 2016 Microsoft Corporation. All rights reserved.", and "PS C:\Users\Jeff>".

```
Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.

PS C:\Users\Jeff>
```



Graphical Console

Administrator: Windows PowerShell ISE

File Edit View Tools Debug Add-ons Help

Untitled3.ps1* X

```
1 get-process
```

| | | | | | | | |
|------|----|-------|--------|----------|-------|---|--------------|
| 212 | 13 | 3876 | 12008 | 211.66 | 4028 | 1 | wingather |
| 141 | 10 | 1328 | 6020 | 0.08 | 712 | 0 | wininit |
| 254 | 13 | 3180 | 11388 | 1.09 | 600 | 1 | winlogon |
| 984 | 84 | 64712 | 123716 | 3.28 | 10944 | 1 | winStore.App |
| 1339 | 68 | 99320 | 118764 | 11.92 | 14912 | 1 | WINWORD |
| 403 | 19 | 5296 | 17020 | 12.58 | 852 | 0 | wlanext |
| 176 | 13 | 7160 | 13716 | 3.89 | 3192 | 0 | WmiPrvSE |
| 334 | 16 | 10576 | 19164 | 1,167.61 | 8476 | 0 | WmiPrvSE |
| 394 | 17 | 25312 | 15272 | 30.52 | 1804 | 0 | WUDFHost |
| 260 | 9 | 2500 | 8448 | 46.66 | 2744 | 0 | WUDFHost |
| 429 | 11 | 2752 | 8240 | 107.67 | 3120 | 0 | WUDFHost |
| 205 | 8 | 1428 | 5972 | 0.03 | 3320 | 0 | WUDFHost |
| 512 | 37 | 35872 | 40404 | 8.28 | 4432 | 0 | ymc |

PS C:\>

Commands X

Modules: All Refresh

Name:

A:

- Add-ADCentralAccessPolicyMember
- Add-ADComputerServiceAccount
- Add-ADDomainControllerPasswordReplicationPolicy
- Add-ADFineGrainedPasswordPolicySubject
- Add-ADGroupMember
- Add-AdminConsoleDynamicNodeAssociation
- Add-ADPrincipalGroupMembership
- Add-ADResourcePropertyListMember
- Add-AppvClientConnectionGroup
- Add-AppvClientPackage
- Add-AppvPublishingServer
- Add-AppxPackage
- Add-AppxProvisionedPackage
- Add-AppxVolume
- Add-BCDataCacheExtension
- Add-BgpCustomRoute
- Add-BgpPeer
- Add-BgpRouteAggregate

Run Insert Copy

Ln 1 Col 12 110%



Demo



Meet your consoles



Summary



You learned some deep technical details

You learned how to launch and configure the “traditional” console

You learned how to launch and configure the “graphical” console

