

about_Session

```
{  
    "Title"    : "7 Mythen über PS 7",  
    "Speaker" : "Thorsten Butz",  
    "Uri"      : "thorsten-butz.de",  
    "Twitter"  : "@thorstenbutz",  
    "Podcast"  : "slidingwindows.de"  
}
```

about_Myths

Mythos: maskulin, von altgriechisch μῦθος, „Laut, Wort, Rede, Erzählung, sagenhafte Geschichte, Mär“, lateinisch mythus

"(Ein Mythos) ist in seiner ursprünglichen Bedeutung eine Erzählung. Im religiösen Mythos wird das Dasein der Menschen mit der Welt der Götter oder Geister verknüpft.

Mythen erheben einen Anspruch auf Geltung für die von ihnen behauptete Wahrheit."

<https://de.wikipedia.org/wiki/Mythos>

Mythos 1: Parallelisieren



Mythos 2: Geschwindigkeit



Justin Grote
@JustinWGrote



@joeyaiello @TylerLeonhardt @Steve_MSFT , any additional easily demo-able performance improvements 5.1->7 besides these you want to call out?

- Group-Object
- Foreach-Object
- Out-Null

Files	count	Finding files	Grouping files	Sorting files (by length)
263361	13,8 sec.	4,2 sec.	11,1 sec.	

Mythos 3: Feature Parität

```
> Get-Command | Measure-Object
```

Mythos 4: FullCLR ???

```
PS /> Get-Module -ListAvailable | Sort-Object -property CompatiblePSEditions
```

Directory: /opt/microsoft/powershell/7/Modules

ModuleType	Version	PreRelease	Name	PSEdition
Manifest	1.2.5		Microsoft.PowerShell.Archive	Desk
Script	1.4.6		PackageManagement	Desk
Script	2.2.3		PowerShellGet	Desk
Script	2.0.0		PSReadLine	Desk
Binary	2.0.3		ThreadJob	Desk
Manifest	7.0.0.0		Microsoft.PowerShell.Host	Core
Manifest	7.0.0.0		Microsoft.PowerShell.Management	Core
Manifest	7.0.0.0		Microsoft.PowerShell.Security	Core
Manifest	7.0.0.0		Microsoft.PowerShell.Utility	Core
Script	2.0.5		PSDesiredStateConfiguration	Core

PS 7.0 on Debian "Buster" 10



Mythos 4

```
PS /> Get-Module -ListAvailable | Sort-Object -property CompatiblePSEditions |  
>> Format-Table -Property ModuleType,Version,PreRelease,Name,CompatiblePSEditions
```

ModuleType	Version	PreRelease	Name	CompatiblePSEditions
Manifest	1.2.5		Microsoft.PowerShell.Archive	{}
Script	1.4.6		PackageManagement	{}
Script	2.2.3		PowerShellGet	{}
Script	2.0.0		PSReadLine	{}
Binary	2.0.3		ThreadJob	{}
Manifest	7.0.0.0		Microsoft.PowerShell.Host	{Core}
Manifest	7.0.0.0		Microsoft.PowerShell.Management	{Core}
Manifest	7.0.0.0		Microsoft.PowerShell.Security	{Core}
Manifest	7.0.0.0		Microsoft.PowerShell.Utility	{Core}
Script	2.0.5		PSDesiredStateConfiguration	{Core}

Mythos 4

```
1649 private static IEnumerable<FormatViewDefinition> Viewsof_ModuleInfoGrouping(CustomControl[] sharedControls)  
1650 {  
1651     yield return new FormatViewDefinition("Module",  
1652         TableControl.Create()  
1653             .GroupByScriptBlock("Split-Path -Parent $_.Path | ForEach-Object { if([Version]::TryParse((Split-Path $_ -Leaf), [re  
1654                 .AddHeader(Alignment.Left, width: 10)  
1655                 .AddHeader(Alignment.Left, width: 10)  
1656                 .AddHeader(Alignment.Left, label: "PreRelease", width: 10)  
1657                 .AddHeader(Alignment.Left, width: 35)  
1658                 .AddHeader(Alignment.Left, width: 9, label: "PSEdition")  
1659                 .AddHeader(Alignment.Left, label: "ExportedCommands")  
1660                 .StartRowDefinition()  
1661                 .AddPropertyColumn("ModuleType")  
1662                 .AddPropertyColumn("Version")  
1663                 .AddScriptBlockColumn(@"  
1664                     if ($_.PrivateData -and $_.PrivateData.PSDData)  
1665                     {  
1666                         $_.PrivateData.PSDData.PreRelease  
1667                     }")  
1668                 .AddPropertyColumn("Name")  
1669                 .AddScriptBlockColumn(@"  
1670                     $result = [System.Collections.ArrayList]::new()  
1671                     $editions = $_.CompatiblePSEditions  
1672                     if (-not $editions)  
1673                     {  
1674                         $editions = @('Desktop')  
1675                     }  
1676
```

Mythos 5: Open Source

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<https://github.com/PowerShell/PowerShell/blob/master/LICENSE.txt>

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PaulHigin Initial commit

1 contributor

<https://github.com/PaulHigin/PSThreadJob/blob/master/LICENSE>

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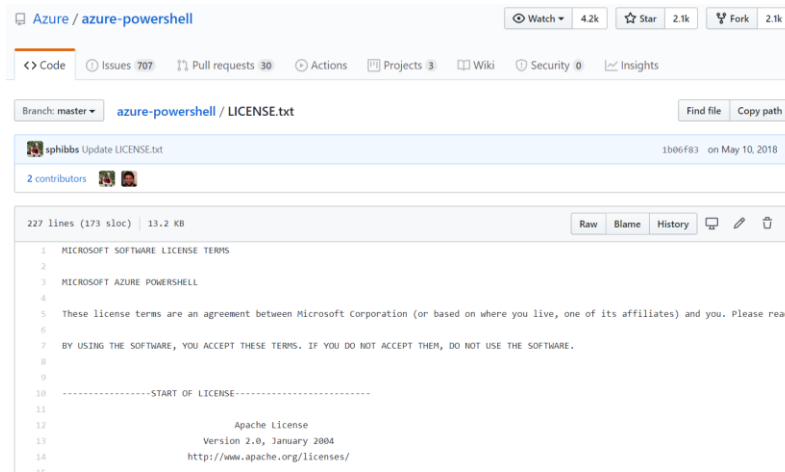
SteveL-MSFT Initial commit

1 contributor

57b53b3 on Mar 18

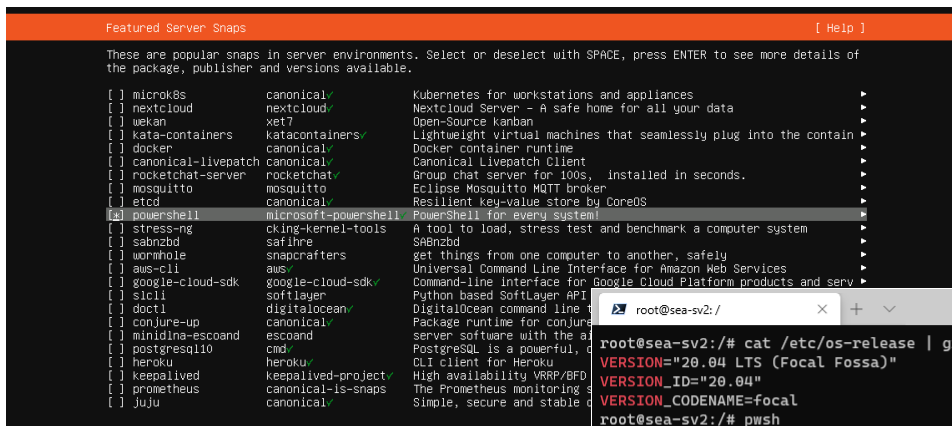
<https://github.com/PowerShell/PowerShellGet/blob/master/LICENSE>

Apache-Lizenz: Azure



<https://github.com/Azure/azure-powershell/blob/master/LICENSE.txt>

Mythos 6: "Microsoft ♥ Linux"



Ubuntu 20.04
LTS (Server)

```
snap install powershell -classic
snap remove powershell
```

```
root@sea-sv2:/# cat /etc/os-release | grep VERSION
VERSION="20.04 LTS (Focal Fossa)"
root@sea-sv2:/# cat /etc/os-release | grep VERSION_ID
VERSION_ID="20.04"
root@sea-sv2:/# cat /etc/os-release | grep VERSION_CODENAME
VERSION_CODENAME=focal
root@sea-sv2:/# pwsh
Failed to load core
error: /snap/powershell/104/opt/powershell/.../lib/x86_64-linux-gnu/librt.so.1: undefined symbol: __clock_gettime64
Failed to bind to CoreCLR at '/snap/powershell/104/opt/powershell/'
Failed to create CoreCLR, HRESULT: 0x80008088
```

Mythos 6: "Microsoft ♥ Linux"



Mythos 6: "Microsoft ♥ Linux"

Microsoft's Program Manager David Ortin closed the thread with the message, "official legal name is .NET Multi-platform App UI and MAUI is an acronym, code name. This has been through legal review".

<https://itsfoss.com/microsoft-maui-kde-row/>
<https://github.com/dotnet/maui/issues/35>



Linux ♥ Microsoft ?

Mythos 7: One Microsoft

'One Microsoft' strikes again with latest partner, services reorg

Microsoft's nearly four-year-old 'One Microsoft' strategy is continuing to evolve with the company's latest reorg affecting its sales, partner and services teams.

 By [Mary Jo Foley](#) for [All About Microsoft](#) | January 5, 2017 -- 16:07 GMT (16:07 GMT) | Topic: [Microsoft](#)

Microsoft is continuing its push to consolidate its various product and services groups with another reorg, which company officials are announcing today, January 5.

<https://www.zdnet.com/article/one-microsoft-strikes-again-with-latest-partner-services-reorg/>

Bonus?

Bonus: "What is a Cmdlet" ?



 **Thorsten Butz**
@thorstenbutz

What is a "Cmdlet"?

This might be an "esoteric" question here, but if you read the official docs, only binary Cmdlets seem to match the definition.

My Q: Do you define "Advanced Functions" (e.g. Get-DscResource) as Cmdlet?

References welcome!



95 votes · Final results

Vielen Dank für die Aufmerksamkeit!

```
{  
  "Title"   : "7 Mythen über PS 7",  
  "Speaker" : "Thorsten Butz",  
  "Uri"      : "thorsten-butz.de",  
  "Twitter"  : "@thorstenbutz",  
  "Podcast"  : "slidingwindows.de"  
}
```