

```
PS C:\Users\Balázs> $PSVersionTable
```

Name	Value
PSVersion	5.1.18362.1171
PSEdition	Desktop
PSCompatibleVersions	{1.0, 2.0, 3.0, 4.0...}
BuildVersion	10.0.18362.1171
CLRVersion	4.0.30319.42000
WSManStackVersion	3.0
PSRemotingProtocolVersion	2.3
SerializationVersion	1.1.0.1

```
PS C:\Users\Balázs> Get-Service | Get-Member
```

TypeName: System.ServiceProcess.ServiceController

Name	MemberType	Definition
Name	AliasProperty	Name = ServiceName
RequiredServices	AliasProperty	RequiredServices = ServicesDependedOn
Disposed	Event	System.EventHandler Disposed(System.Object, System.EventArgs)
Close	Method	void Close()
Continue	Method	void Continue()
CreateObjRef	Method	System.Runtime.Remoting.ObjRef CreateObjRef(type requestedType)
Dispose	Method	void Dispose(), void IDisposable.Dispose()
Equals	Method	bool Equals(System.Object obj)
ExecuteCommand	Method	void ExecuteCommand(int command)
GetHashCode	Method	int GetHashCode()
GetLifetimeService	Method	System.Object GetLifetimeService()
GetType	Method	type GetType()
InitializeLifetimeService	Method	System.Object InitializeLifetimeService()
Pause	Method	void Pause()
Refresh	Method	void Refresh()
Start	Method	void Start(), void Start(string[] args)
Stop	Method	void Stop()

```
PS C:\Users\Balázs> Get-Service
```

Status	Name	DisplayName
Stopped	AarSvc_86dc0	AarSvc_86dc0
Running	AdobeARMSvc	Adobe Acrobat Update Service
Stopped	AJRouter	AllJoyn-útválasztó szolgáltatás
Stopped	ALG	Alkalmazási réteg átjárószolgáltatása
Stopped	AppIDSvc	Alkalmazásidentitás
Running	Appinfo	Alkalmazásinformációk
Stopped	AppMgmt	Alkalmazásvezérlés
Stopped	AppReadiness	Alkalmazás-előkészítő
Stopped	AppVClient	Microsoft App-V Client
Stopped	AppXSvc	AppX Deployment Service (AppXSVC)
Stopped	AssignedAccessM...	AssignedAccessManager szolgáltatás
Running	ASUSLinkNear	ASUS Link Near
Running	ASUSLinkNearExt	ASUS Link Near Extension
Running	ASUSLinkRemote	ASUS Link Remote

```
PS C:\Users\Balázs> Get-ChildItem
```

Directory: C:\Users\Balázs

Mode		LastWriteTime	Length	Name
d-----	2020. 11. 08.	12:59		.cache
d-----	2020. 11. 08.	11:40		.docker
d-----	2021. 01. 26.	21:21		.dotnet
d-----	2020. 04. 03.	21:01		.nuget
d-----	2020. 04. 03.	22:29		.templateengine
d-----	2021. 03. 10.	17:06		.VirtualBox
d-----	2020. 04. 06.	22:48		.vscode
d-r----	2021. 02. 14.	20:23		3D Objects
d-----	2020. 04. 03.	23:01		ansel
d-r----	2021. 02. 14.	20:23		Contacts
d-----	2020. 04. 12.	16:56		Documents
d-r----	2021. 03. 10.	17:06		Downloads
d-r----	2021. 02. 14.	20:23		Favorites
d-----	2020. 04. 09.	22:24		Intel
d-r----	2021. 02. 14.	20:23		Links
d-r----	2021. 02. 14.	20:23		Music
dar----	2020. 11. 10.	18:39		OneDrive
d-----	2020. 04. 02.	18:51		Roaming
d-r----	2021. 02. 14.	20:23		Saved Games
d-r----	2021. 02. 14.	20:23		Searches
d-----	2020. 04. 02.	17:07		source
d-r----	2021. 02. 14.	20:23		Videos
d-----	2021. 03. 07.	0:56		VirtualBox VMs
-a-----	2020. 12. 17.	14:35	14960	.bash_history
-a-----	2020. 11. 08.	12:58	0	.node_repl_history
-a-----	2020. 11. 08.	11:49	121	.yarnrc

```
PS C:\Users\Balázs> Get-Alias
```

CommandType	Name
Alias	% -> ForEach-Object
Alias	? -> Where-Object
Alias	ac -> Add-Content
Alias	asnp -> Add-PSSnapin
Alias	cat -> Get-Content
Alias	cd -> Set-Location
Alias	CFS -> ConvertFrom-String
Alias	chdir -> Set-Location
Alias	clc -> Clear-Content
Alias	clear -> Clear-Host
Alias	clhy -> Clear-History
Alias	cli -> Clear-Item
Alias	clp -> Clear-ItemProperty
Alias	cls -> Clear-Host
Alias	clv -> Clear-Variable
Alias	cnsn -> Connect-PSSession
Alias	compare -> Compare-Object
Alias	copy -> Copy-Item
Alias	cp -> Copy-Item
Alias	cpi -> Copy-Item
Alias	cpp -> Copy-ItemProperty
Alias	curl -> Invoke-WebRequest
Alias	cvpa -> Convert-Path

```
PS C:\Users\Balázs> New-Alias "processz" Get-Process
```

```
PS C:\Users\Balázs> processz
```

Handles	NPM(K)	PM(K)	WS(K)	CPU(s)	Id	SI	ProcessName
573	24	33328	25160	0,39	9300	1	AcroRd32
567	70	108884	135256	8,72	12244	1	AcroRd32
522	27	28576	24492	2,23	10260	1	ApplicationFrameHost
147	9	1876	1272		4836	0	armsvc
299	13	2960	4316		4852	0	AsusLinkNear
63	4	780	2572		4844	0	AsusLinkNearExt
290	14	7600	4444		4860	0	AsusLinkRemote
188	10	2056	4940		4180	0	AsusOptimization
289	14	2816	4876	0,05	7852	1	AsusOptimizationStartupTask
135	10	1496	1356	0,03	15080	1	AsusOSD
357	16	7680	5476		4884	0	AsusSoftwareManager
380	22	32392	7004	0,30	12876	1	AsusSoftwareManagerAgent
256	12	2776	4852		4896	0	AsusSystemAnalysis
151	8	1656	3456		4872	0	AsusSystemDiagnosis
1024	21	86360	27088	228,67	9456	0	audiodg

```
PS C:\Users\Balázs> Get-Service | fl name, status
```

```
Name : AarSvc_86dc0
Status : Stopped

Name : AdobeARMservice
Status : Running

Name : AJRouter
Status : Stopped

Name : ALG
Status : Stopped

Name : AppIDSvc
Status : Stopped

Name : Appinfo
Status : Running
```

```
PS C:\Users\Balázs> Get-Service | ft name, status
```

Name	Status
----	-----
AarSvc_86dc0	Stopped
AdobeARMservice	Running
AJRouter	Stopped
ALG	Stopped
AppIDSvc	Stopped
Appinfo	Running
AppMgmt	Stopped
AppReadiness	Stopped
AppVClient	Stopped
AppXSvc	Stopped
AssignedAccessManagerSvc	Stopped
ASUSLinkNear	Running
ASUSLinkNearExt	Running
ASUSLinkRemote	Running
ASUSOptimization	Running
ASUSSoftwareManager	Running
ASUSSystemAnalysis	Running
ASUSSystemDiagnosis	Running
AudioEndpointBuilder	Running
Audiosrv	Running
autotimesvc	Stopped

```
PS C:\Users\Balázs> Get-Service | ft name, status -AutoSize
```

Name	Status
----	-----
AarSvc_86dc0	Stopped
AdobeARMservice	Running
AJRouter	Stopped
ALG	Stopped
AppIDSvc	Stopped
Appinfo	Running
AppMgmt	Stopped
AppReadiness	Stopped
AppVClient	Stopped
AppXSvc	Stopped
AssignedAccessManagerSvc	Stopped
ASUSLinkNear	Running
ASUSLinkNearExt	Running
ASUSLinkRemote	Running
ASUSOptimization	Running
ASUSSoftwareManager	Running
ASUSSystemAnalysis	Running
ASUSSystemDiagnosis	Running
AudioEndpointBuilder	Running

```
PS C:\Users\Balázs> Get-Process | Sort-Object name
```

Handles	NPM(K)	PM(K)	WS(K)	CPU(s)	Id	SI	ProcessName
567	70	108916	135592	10,81	12244	1	AcroRd32
573	25	33468	25196	0,44	9300	1	AcroRd32
473	26	28756	24152	2,23	10260	1	ApplicationFrameHost
147	9	1876	1272		4836	0	armsvc
299	13	2960	4316		4852	0	AsusLinkNear
63	4	780	2572		4844	0	AsusLinkNearExt
290	14	7600	4444		4860	0	AsusLinkRemote
188	10	2056	4952		4180	0	AsusOptimization
289	14	2816	4876	0,05	7852	1	AsusOptimizationStartupTask
135	10	1496	1352	0,03	15080	1	AsusOSD
357	16	7680	5480		4884	0	AsusSoftwareManager
380	22	32392	7004	0,30	12876	1	AsusSoftwareManagerAgent
256	12	2776	4852		4896	0	AsusSystemAnalysis
151	8	1656	3456		4872	0	AsusSystemDiagnosis
1020	21	86848	27596	253,44	9456	0	audiodg
541	27	21676	32	0,38	5644	1	Calculator
433	28	30296	8984		5360	0	com.docker.service
160	7	1608	6676	0,03	15024	1	CompPkgSrv
122	8	6512	492	0,09	11740	1	conhost
119	7	6408	2648		4348	0	conhost
261	13	6680	17204	2,22	3412	1	conhost
481	15	4088	9512	3,36	8936	1	ctfmon
821	27	1816	2368		944	0	csrss
602	28	2800	3624		852	1	csrss
276	34	9176	15040	0,28	13840	1	dllhost
182	16	3136	3984		12044	0	dllhost
1173	58	183524	88188		1660	1	dwm

```
PS C:\Users\Balázs> Get-Process | Sort-Object name -Descending
```

Handles	NPM(K)	PM(K)	WS(K)	CPU(s)	Id	SI	ProcessName
743	48	27124	16228	0,67	11028	1	YourPhone
300	10	4540	3804		1236	0	WUDFHost
330	15	9404	8948		1412	0	WUDFHost
327	18	14412	7836		7108	0	WmiPrvSE
147	8	1652	4164		4268	0	wlanext
1046	70	58456	176	1,47	2716	1	WinStore.App
274	12	2608	5616		1512	1	winlogon
163	11	1388	3236		680	0	wininit
216	13	2952	4988		5456	0	vmware-usbarbitrator64
321	17	6644	3588		5436	0	vmware-authd
95	8	7804	1612		5396	0	vmnetdhcp
180	12	2596	1748		5616	0	vmnat
640	26	51324	9912		5364	0	vmms
146	8	1896	3592		7880	0	vmcompute
412	21	68236	42404	4,47	14496	1	VirtualBox
650	36	19936	44	0,31	1704	1	Video.UI
757	15	4820	14912	0,73	7836	1	VBoxSVC
196	10	2080	7712		14508	0	VBoxSDS
131	7	1584	4388		10172	0	unsecapp
550	33	22664	23336		2828	0	taskhostw
313	38	8716	12816	0,73	8612	1	taskhostw
856	39	24728	12	0,48	9240	1	SystemSettings
5216	0	200	1192		4	0	System
123	8	1600	3380		2896	0	svchost
139	8	1500	3704		2880	0	svchost
394	17	5728	8396		3012	0	svchost
173	9	1988	5192		3028	0	svchost

```
PS C:\Users\Balázs> Get-Process | Where-Object { $_.name -eq "w32time" }
PS C:\Users\Balázs> Get-Service | Where-Object { $_.name -eq "w32time" }
```

Status	Name	DisplayName
Stopped	W32Time	Windows Time

```
PS C:\Users\Balázs> Get-Process | Where-Object { $_.name -like "wi*" }
```

Handles	NPM(K)	PM(K)	WS(K)	CPU(s)	Id	SI	ProcessName
163	11	1388	3236		680	0	wininit
274	12	2608	5616		1512	1	winlogon
1046	70	58456	176	1,47	2716	1	WinStore.App

```
PS C:\Users\Balázs> Get-Service | Group-Object status
```

Count	Name	Group
163	Stopped	{AarSvc_86dc0, AJRouter, ALG, AppIDSvc...}
140	Running	{AdobeARMservice, Appinfo, AppXSvc, ASUSLinkNear...}

```
PS C:\Users\Balázs> Get-Process | ForEach-Object { $_.id*2 }
```

```
18600
24488
20520
9672
9704
9688
9720
8360
15704
30160
9768
25752
9792
```

```
PS C:\Users\Balázs> Get-Process | Measure-Object
```

```
Count      : 223
Average    :
Sum        :
Maximum    :
Minimum    :
Property   :
```

```
PS C:\Users\Balázs> Get-Process | Measure-Object -Property id -Maximum -Minimum -Average -Sum
```

```
Count      : 222
Average    : 6577,58558558559
Sum        : 1460224
Maximum    : 15324
Minimum    : 0
Property   : Id
```

```
PS C:\Users\Balázs> (Get-Service).count
303
```

```
PS C:\Users\Balázs> $x = 5
PS C:\Users\Balázs> $x | Get-Member
```

```
TypeName: System.Int32

Name      MemberType Definition
-----
CompareTo Method      int CompareTo(System.Object value), int CompareTo(int value), int IComparable.CompareTo(System.Object obj), int IComparable[int].CompareTo(int other)
Equals     Method      bool Equals(System.Object obj), bool Equals(int obj), bool IEquatable[int].Equals(int other)
GetHashCode Method     int GetHashCode()
GetType    Method      type GetType()
GetTypeCode Method     System.TypeCode GetTypeCode(), System.TypeCode IConvertible.GetTypeCode()
ToBoolean Method      bool IConvertible.ToBoolean(System.IFormatProvider provider)
ToByte     Method      byte IConvertible.ToByte(System.IFormatProvider provider)
ToChar     Method      char IConvertible.ToChar(System.IFormatProvider provider)
ToDateTime Method     datetime IConvertible.ToDateTime(System.IFormatProvider provider)
ToDecimal  Method      decimal IConvertible.ToDecimal(System.IFormatProvider provider)
ToDouble   Method      double IConvertible.ToDouble(System.IFormatProvider provider)
ToInt16    Method      int16 IConvertible.ToInt16(System.IFormatProvider provider)
ToInt32    Method      int IConvertible.ToInt32(System.IFormatProvider provider)
ToInt64    Method      long IConvertible.ToInt64(System.IFormatProvider provider)
ToSByte    Method      sbyte IConvertible.ToSByte(System.IFormatProvider provider)
ToSingle   Method      float IConvertible.ToSingle(System.IFormatProvider provider)
```

```
PS C:\Users\Balázs> $szoveg = "Miskolc"
PS C:\Users\Balázs> "$szoveg-on élek."
Miskolc-on élek.
```

```
PS C:\Users\Balázs> $szoveg.Length
7
PS C:\Users\Balázs> $szoveg.Toupper()
MISKOLC
PS C:\Users\Balázs> $szoveg.Replace("kolc","ka")
Miska
PS C:\Users\Balázs> $szoveg.Split("s")
Mi
kolc
```

```
PS C:\Users\Balázs> Get-Service | Out-GridView
PS C:\Users\Balázs> $n = "C:/VDK7MU.txt"
PS C:\Users\Balázs> $n = "C:/VDK7MU.txt"
PS C:\Users\Balázs> $VDK7MU = Get-Content $n
PS C:\Users\Balázs> $neptunkod.Count
0
PS C:\Users\Balázs> $VDK7MU.Count
1
PS C:\Users\Balázs> Get-Item $n

Directory: C:\

Mode                LastWriteTime         Length Name
----                -
-a----          2021. 03. 10.      17:53             15 VDK7MU.txt
```