

The screenshot shows a Windows PowerShell window with a dark blue background. At the top, the title bar reads "Windows PowerShell". Below the title bar, there is a red error message: "+ FullyQualifiedErrorId : CommandNotFoundException". The prompt "PS C:\Users\User>" is followed by the command "\$PSVersionTable" in green. The output is a table with two columns: "Name" and "Value". The table lists various PowerShell components and their versions.

Name	Value
PSVersion	5.1.19041.610
PSEdition	Desktop
PSCompatibleVersions	{1.0, 2.0, 3.0, 4.0...}
BuildVersion	10.0.19041.610
CLRVersion	4.0.30319.42000
WSManStackVersion	3.0
PSRemotingProtocolVersion	2.3
SerializationVersion	1.1.0.1

The prompt "PS C:\Users\User>" is followed by a cursor.

PSVersionTable megmutatja a powershall verzióját

GetService | GetMember

```
Windows PowerShell
BuildVersion      10.0.19041.610
CLRVersion        4.0.30319.42000
WSManStackVersion 3.0
PSRemotingProtocolVersion 2.3
SerializationVersion 1.1.0.1

PS C:\Users\User> 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()
WaitForStatus  Method          void WaitForStatus(System.ServiceProcess.ServiceControllerStatus desiredStat...
CanPauseAndContinue Property        bool CanPauseAndContinue {get;}
CanShutdown    Property        bool CanShutdown {get;}
CanStop        Property        bool CanStop {get;}
Container      Property        System.ComponentModel.IContainer Container {get;}
DependentServices Property        System.ServiceProcess.ServiceController[] DependentServices {get;}
DisplayName    Property        string DisplayName {get;set;}
MachineName    Property        string MachineName {get;set;}
ServiceHandle  Property        System.Runtime.InteropServices.SafeHandle ServiceHandle {get;}
ServiceName    Property        string ServiceName {get;set;}
ServicesDependedOn Property        System.ServiceProcess.ServiceController[] ServicesDependedOn {get;}
ServiceType    Property        System.ServiceProcess.ServiceType ServiceType {get;}
Site           Property        System.ComponentModel.ISite Site {get;set;}
StartType      Property        System.ServiceProcess.ServiceStartMode StartType {get;}
Status         Property        System.ServiceProcess.ServiceControllerStatus Status {get;}
ToString       ScriptMethod    System.Object ToString();

PS C:\Users\User>
```

Get-Service megadja a szolgáltatásokat

```
Windows PowerShell

PS C:\Users\User> Get-Service

Status Name DisplayName
-----
Stopped AarSvc_18fd6a6 Agent Activation Runtime_18fd6a6
Running AdobeARMservice Adobe Acrobat Update Service
Stopped AJRouter AllJoyn-útválasztó szolgáltatás
Stopped ALG Alkalmazási réteg átjárószolgáltatása
Stopped AppIDSvc Alkalmazásidentitás
Stopped Appinfo Alkalmazásinformációk
Stopped AppMgmt Alkalmazásvezérlés
Stopped AppReadiness Alkalmazás-előkészítő
Stopped AppVClient Microsoft App-V Client
Stopped AppXSvc AppX Deployment Service (AppXSVC)
Running AsHidService ASUS HID Access Service
Running ASLDRService ASLDR Service
Stopped AssignedAccessM... AssignedAccessManager szolgáltatás
Running ASUSLiveUpdateA... ASUS LiveUpdate Agent
Running ASUSOptimization ASUS Optimization
Running ASUSSystemAnalysis ASUS System Analysis
Running ASUSSystemDiagn... ASUS System Diagnosis
Running AudioEndpointBu... Windows-hangvégpontépítő
Running Audiosrv Windows audió
Stopped autotimesvc Mobilhálózati idő
Stopped AxInstSV ActiveX Telepítő (AxInstSV)
Stopped BcastDVRUserSer... Játékvideó-rögzítő és Közvetítés fe...
Stopped BDESVC BitLocker meghajtótitkosítási szolg...
Stopped BEService BattlEye Service
Running BFE Alap szűrőprogram
Stopped BITS Háttérben futó intelligens átviteli...
Stopped BluetoothUserSe... Felhasználói Bluetooth-támogatási s...
Running BrokerInfrastru... Háttérfeladatok infrastruktúra-szol...
Stopped BTAGService Bluetooth-hangátjáró szolgáltatás
Running BthAvctpSvc AVCTP-szolgáltatás
Stopped bthserv Bluetooth-támogatási szolgáltatás
Running camsvc Képesség hozzáférés-kezelési szolgál...
Stopped CaptureService_... CaptureService_18fd6a6
Running cbdhsvc_18fd6a6 Vágólap felhasználói szolgáltatás 1...
Running CDPSPvc Csatlakoztatott eszközök platformja...
Running CDPUserSvc_18fd6a6 Csatlakoztatott eszközök platformja...
Running CertPropSvc Tanúsítvány-terjesztés
Stopped ClipSVC Ügyfél-licencelési szolgáltatás (Cl...
Stopped COMSysApp COM+ System Application
Stopped ConsentUxUserSv... ConsentUX_18fd6a6
Running CoreMessagingRe... CoreMessaging
Running cphs Intel(R) Content Protection HECI Se...
Running cplspcon Intel(R) Content Protection HDCP Se...
Stopped CredentialEnrol... CredentialEnrollmentManagerUserSvc_...
```

Get-ChildItem megmutatja a meghajtón található könyvtárakat illetve a fájlokat

```
Windows PowerShell
Stopped XboxGipSvc      Xbox Accessory Management Service
Stopped XboxNetApiSvc   Xbox Live hálózati szolgáltatás

PS C:\Users\User> Get-ChildItem

Directory: C:\Users\User

Mode                LastWriteTime         Length Name
----                -
d-----         2020. 03. 26.         15:03      .config
d-----         2020. 10. 18.         22:56      .dia
d-----         2021. 02. 11.         10:41      .dotnet
d-----         2020. 03. 26.         15:03      .eclipse
d-----         2021. 02. 01.         18:46      .mputils
d-----         2019. 08. 31.         15:47      .Origin
d-----         2021. 03. 01.           8:27      .p2
d-----         2019. 08. 31.         15:47      .QtWebEngineProcess
d-----         2021. 02. 11.         10:49      .templateengine
d-----         2020. 03. 26.         15:03      .tooling
d-----         2021. 02. 16.         15:29      .VirtualBox
d-----         2019. 11. 11.         19:33      .vscode
d-r---         2021. 02. 08.         22:13      3D Objects
d-----         2020. 03. 04.         16:25      ansel
d-r---         2021. 02. 08.         22:13      Contacts
d-r---         2021. 03. 03.         11:05      Desktop
d-r---         2021. 02. 28.         18:12      Documents
d-r---         2021. 03. 02.         15:43      Downloads
d-----         2020. 03. 26.         14:48      eclipse
d-r---         2021. 02. 08.         22:13      Favorites
d-----         2021. 03. 02.         15:13      follder
d-----         2019. 08. 02.           2:08      Intel
d-r---         2021. 02. 08.         22:13      Links
d-r---         2021. 02. 08.         22:13      Music
dar--l         2021. 02. 27.         11:27      OneDrive
d-r---         2021. 02. 08.         22:13      Pictures
d-r---         2021. 02. 08.         22:13      Saved Games
d-r---         2021. 02. 08.         22:13      Searches
d-----         2021. 02. 11.         10:49      source
d-----         2020. 12. 04.         16:13      tex
d-r---         2021. 02. 08.         22:13      Videos
d-----         2021. 02. 16.         15:22      VirtualBox VMs
-a----         2021. 02. 16.           22      .bash_history
-a----         2021. 02. 28.          214      .gitconfig
-a----         2020. 10. 12.          481      x.log

PS C:\Users\User>
```

Get-Alias megmutatja a parancsok rövidített neveit

```
Windows PowerShell
PS C:\Users\User> Get-Alias
```

CommandType	Name	Version	Source
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	3.1.0.0	Microsoft.PowerShell.Utility
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		
Alias	dbp -> Disable-PSBreakpoint		
Alias	del -> Remove-Item		
Alias	diff -> Compare-Object		
Alias	dir -> Get-ChildItem		
Alias	dnsn -> Disconnect-PSSession		
Alias	ebp -> Enable-PSBreakpoint		
Alias	echo -> Write-Output		
Alias	epal -> Export-Alias		
Alias	epcsv -> Export-Csv		
Alias	epsn -> Export-PSSession		
Alias	erase -> Remove-Item		
Alias	etsn -> Enter-PSSession		
Alias	exsn -> Exit-PSSession		
Alias	fc -> Format-Custom		
Alias	fhx -> Format-Hex	3.1.0.0	Microsoft.PowerShell.Utility
Alias	fl -> Format-List		
Alias	foreach -> ForEach-Object		
Alias	ft -> Format-Table		
Alias	fw -> Format-Wide		
Alias	gal -> Get-Alias		
Alias	gbp -> Get-PSBreakpoint		
Alias	gc -> Get-Content		
Alias	gcb -> Get-Clipboard	3.1.0.0	Microsoft.PowerShell.Management

New-Alias "processz" Get-Process

processz

létrehoz egy Aliast ez esetben a processz névvel így a processzeket kilehet listázni a Get-Alias processz-el

```
Windows PowerShell
PS C:\Users\User> New-Alias "processz" Get-Process
PS C:\Users\User> processz
```

Handles	NPM(K)	PM(K)	WS(K)	CPU(s)	Id	SI	ProcessName
575	25	34040	50544	0,41	11368	2	AcroRd32
469	57	50168	75328	2,47	14036	2	AcroRd32
327	19	10412	27080	0,39	11940	2	ApplicationFrameHost
123	8	1548	3896		4160	0	armsvc
56	6	868	1548		4132	0	AsHidSrv64
134	8	1488	3520		3836	0	AsLdrSrv64
123	9	1404	6376	0,08	13252	2	AsMonStartupTask64
173	9	3764	3720		4140	0	AsusLiveUpdateAgent
94	5	956	2448		4152	0	ASUSOptimization
223	13	2844	3256	0,17	2152	2	ASUSPowerScheme
348	13	3516	10796		4172	0	AsusSystemAnalysis
123	7	1196	2336		4188	0	AsusSystemDiagnosis
770	23	71128	62420	253,75	7236	0	audiodg
310	20	19616	39180	6,70	1300	2	chrome
238	17	23076	50284	0,52	4500	2	chrome
1385	53	137148	200200	15,67	4892	2	chrome
399	33	161496	212028	182,91	5520	2	chrome
179	9	1680	7276	0,03	7060	2	chrome
777	29	139512	167508	48,33	9132	2	chrome
232	16	79656	107388	4,66	9708	2	chrome
274	16	6920	19824	1,13	11584	2	chrome
236	16	20196	47428	0,44	12084	2	chrome
208	12	7248	16944	0,31	12376	2	chrome
211	14	11528	23340	0,11	12576	2	chrome
141	7	1696	8768	0,44	14320	2	CompPkgSrv
97	7	6204	2140		4056	0	conhost
273	13	4244	16412	2,00	7984	2	conhost
97	7	6300	548	0,14	9084	2	conhost
480	18	5876	21872	3,80	11768	2	ctfmon
711	24	1916	3536		776	0	csrss
610	22	2476	4620		13676	2	csrss
776	47	34820	59036	12,42	6596	2	Discord
302	20	12680	57896	0,59	8112	2	Discord
293	25	29620	71864	1,84	9180	2	Discord
455	26	16648	37036	4,53	11180	2	Discord
622	27	82560	94116	19,75	11512	2	Discord
219	15	11072	23420	0,09	12560	2	Discord
1039	119	183580	193988	989,41	13584	2	Discord
238	29	7368	15892	0,45	912	2	dllhost
186	11	4856	6200		4320	0	DTSAP03Service
1007	37	111012	108012		3396	2	dwm
105	7	1556	2656		4336	0	esif_uf
3720	101	87100	152516	31,23	6564	2	explorer
32	6	1544	988		1092	0	fontdrvhost

Get-Alias processz

```
Windows PowerShell
```

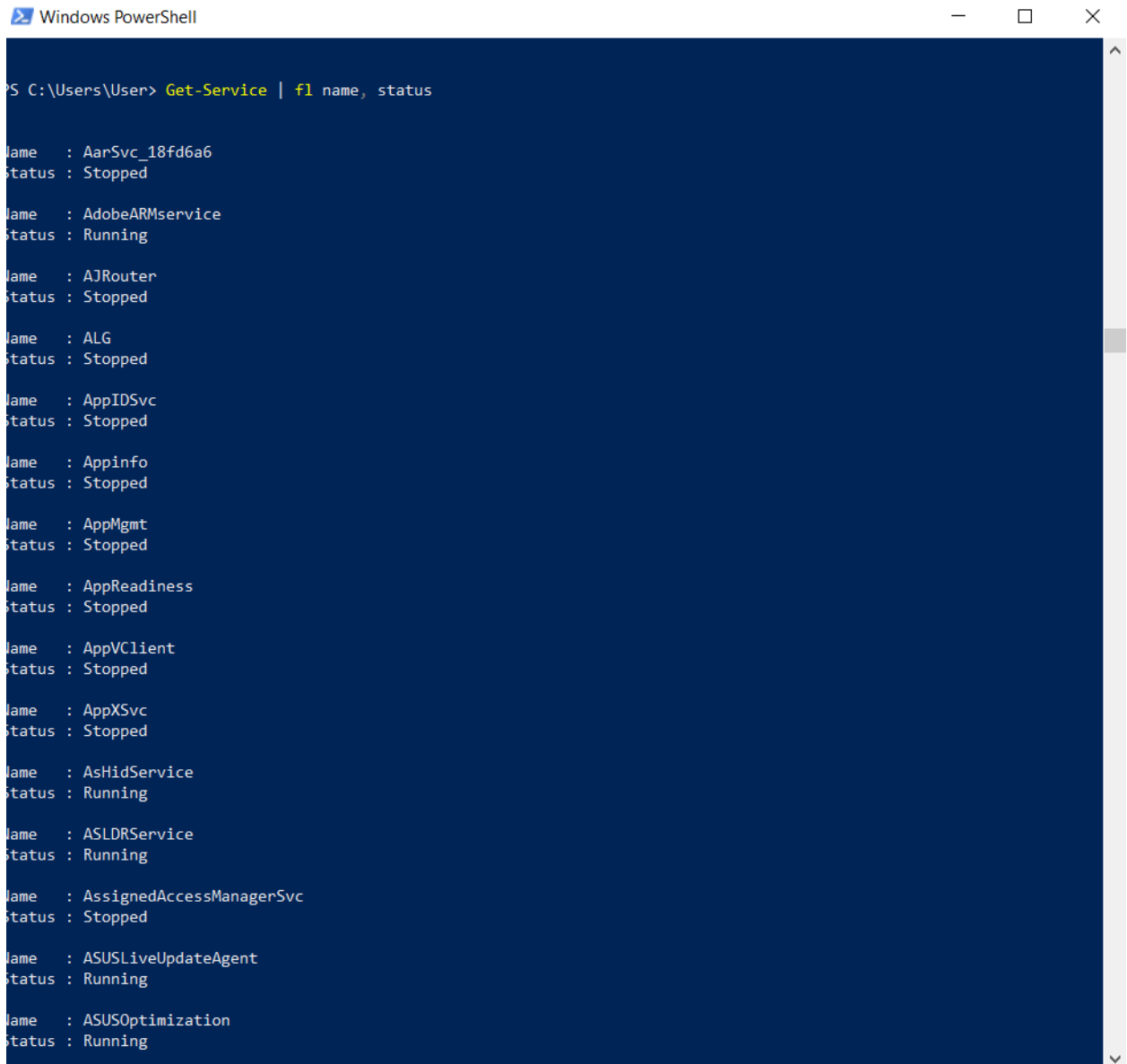
300	13	3748	15016		6876	0	svchost
266	14	3504	19092	0,30	7220	2	svchost
108	7	1252	5172		7728	0	svchost
172	9	1832	5128		7852	0	svchost
285	12	2576	8900		7908	0	svchost
433	23	5832	17280		8444	0	svchost
222	12	2528	7832		8592	0	svchost
554	24	9376	35760	7,19	9848	2	svchost
173	11	2292	11628		10076	0	svchost
135	8	1580	7304	0,00	10152	2	svchost
215	16	1948	4676		10496	0	svchost
172	216	2324	3972		10848	0	svchost
286	12	5028	7976		11060	0	svchost
255	14	2924	12244	0,19	11128	2	svchost
145	9	1764	8952		12192	0	svchost
215	11	2692	9128		12540	0	svchost
235	13	2880	9140		12684	0	svchost
466	19	9612	26100	4,25	14204	2	svchost
4790	0	204	2068		4	0	System
732	34	21372	1716	1,52	14248	2	SystemSettings
259	32	7140	16516	0,80	12708	2	taskhostw
524	22	12272	43524	1,23	4916	2	TextInputHost
171	12	1580	8728	0,20	8412	2	TiltWheelMouse
377	20	9140	17312	10,25	9072	2	uihost
123	8	1528	7764		9192	0	unsecapp
151	9	1408	2812		4680	0	WindscribeService
169	11	1668	4128		876	0	wininit
280	12	2744	8960		10436	2	winlogon
858	54	20368	54968	35,92	11608	2	WINWORD
148	8	1764	4064		3956	0	wlanext
177	12	3320	10772		2300	0	WmiPrvSE
187	12	3156	8328		6836	0	WmiPrvSE
314	14	7452	11964		1164	0	WUDFHost
713	47	24872	26716	0,59	12640	2	YourPhone

```
PS C:\Users\User> Get-Alias processz
```

CommandType	Name	Version	Source
Alias	processz -> Get-Process		

```
PS C:\Users\User>
```

Get-Service | fl name, status kilistázza az adott meghajtón lévő szolgáltatásokat



The screenshot shows a Windows PowerShell window with a dark blue background. The title bar at the top reads 'Windows PowerShell' and includes standard window control buttons (minimize, maximize, close). The command prompt shows the user at 'PS C:\Users\User>' entering the command 'Get-Service | fl name, status'. The output lists various services with their names and statuses, such as 'AarSvc_18fd6a6' (Stopped), 'AdobeARMservice' (Running), 'AJRouter' (Stopped), 'ALG' (Stopped), 'AppIDSvc' (Stopped), 'Appinfo' (Stopped), 'AppMgmt' (Stopped), 'AppReadiness' (Stopped), 'AppVClient' (Stopped), 'AppXSvc' (Stopped), 'AsHidService' (Running), 'ASLDRService' (Running), 'AssignedAccessManagerSvc' (Stopped), 'ASUSLiveUpdateAgent' (Running), and 'ASUSOptimization' (Running).

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

Name       : AarSvc_18fd6a6
Status     : Stopped

Name       : AdobeARMservice
Status     : Running

Name       : AJRouter
Status     : Stopped

Name       : ALG
Status     : Stopped

Name       : AppIDSvc
Status     : Stopped

Name       : Appinfo
Status     : Stopped

Name       : AppMgmt
Status     : Stopped

Name       : AppReadiness
Status     : Stopped

Name       : AppVClient
Status     : Stopped

Name       : AppXSvc
Status     : Stopped

Name       : AsHidService
Status     : Running

Name       : ASLDRService
Status     : Running

Name       : AssignedAccessManagerSvc
Status     : Stopped

Name       : ASUSLiveUpdateAgent
Status     : Running

Name       : ASUSOptimization
Status     : Running
```


Get-Service | ft name, status

```
Windows PowerShell

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

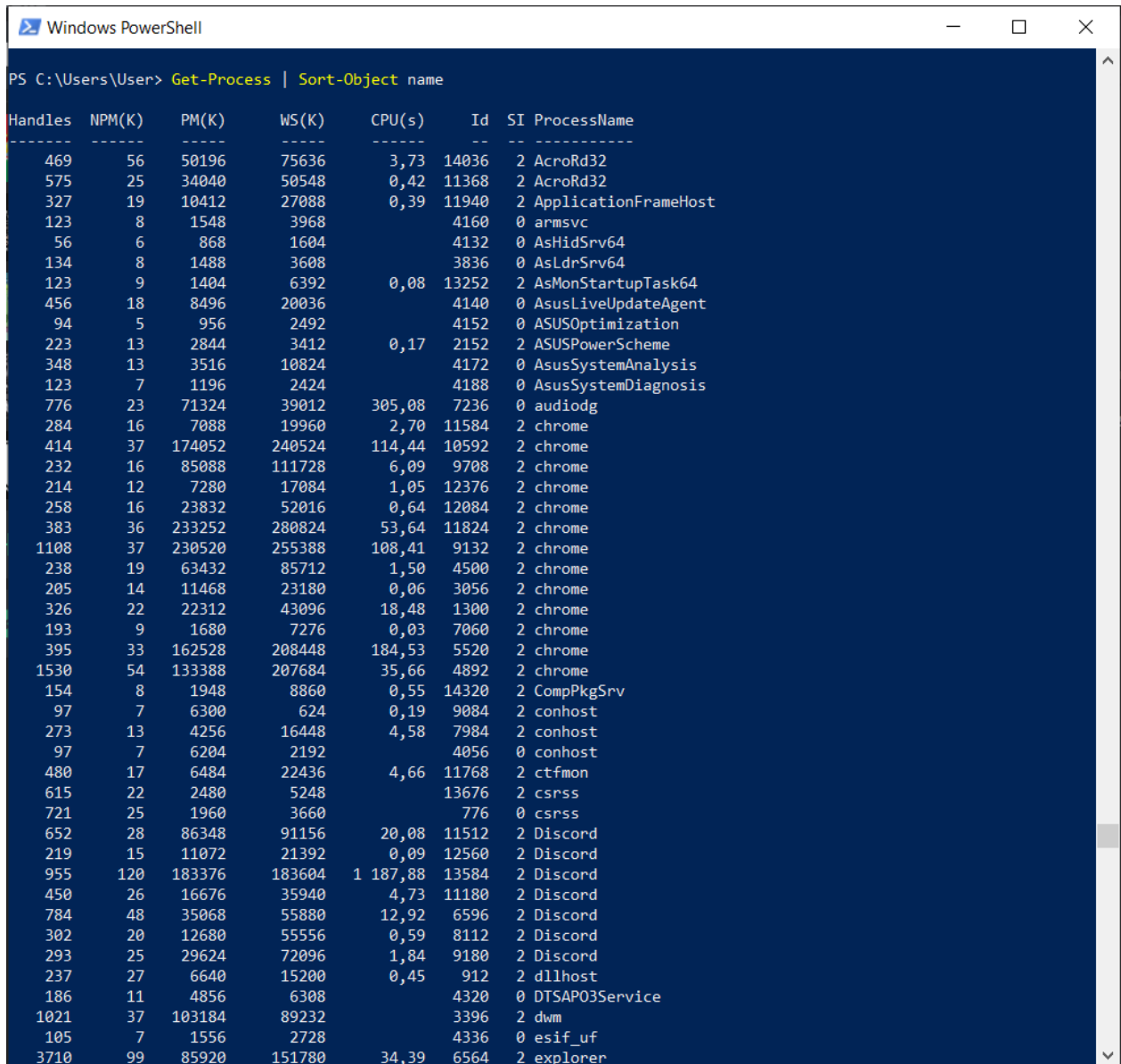
Name                                     status
----
AarSvc_18fd6a6
AdobeARMService
AJRouter
ALG
AppIDSvc
AppInfo
AppMgmt
AppReadiness
AppVClient
AppXSvc
AsHidService
ASLDRService
AssignedAccessManagerSvc
ASUSLiveUpdateAgent
ASUSOptimization
ASUSSystemAnalysis
ASUSSystemDiagnosis
AudioEndpointBuilder
Audiosrv
autotimesvc
AxInstSV
BcastDVRUserService_18fd6a6
BDESVC
BEService
BFE
BITS
BluetoothUserService_18fd6a6
BrokerInfrastructure
BTAGService
BthAvctpSvc
bthserv
camsvc
CaptureService_18fd6a6
cbdhsvc_18fd6a6
CDPSvc
CDPUserService_18fd6a6
CertPropSvc
ClipSVC
COMSysApp
ConsentUxUserService_18fd6a6
CoreMessagingRegistrar
cphs
cplspcon
```

Get-Service | ft name, statues -AutoSize

```
Windows PowerShell
PS C:\Users\User> Get-Service | ft name, statues -AutoSize

Name                                         statues
----
AarSvc_18fd6a6
AdobeARMservice
AJRouter
ALG
AppIDSvc
Appinfo
AppMgmt
AppReadiness
AppVClient
AppXSvc
AsHidService
ASLDRService
AssignedAccessManagerSvc
ASUSLiveUpdateAgent
ASUSOptimization
ASUSSystemAnalysis
ASUSSystemDiagnosis
AudioEndpointBuilder
Audiosrv
autotimesvc
AxInstSV
BcastDVRUserService_18fd6a6
BDESVC
BEService
BFE
BITS
BluetoothUserService_18fd6a6
BrokerInfrastructure
BTAGService
BthAvctpSvc
bthserv
camsvc
CaptureService_18fd6a6
cbdhsvc_18fd6a6
CDPSvc
CDPUserService_18fd6a6
CertPropSvc
ClipSvc
COMSysApp
ConsentUxUserService_18fd6a6
CoreMessagingRegistrar
cphs
cplspcon
CredentialEnrollmentManagerUserSvc_18fd6a6
CryptSvc
CscService
```

Get-Process | Sort-Object name név szerint csökkenő sorrendbe rakja az objektumokat



Handles	NPM(K)	PM(K)	WS(K)	CPU(s)	Id	SI	ProcessName
469	56	50196	75636	3,73	14036	2	AcroRd32
575	25	34040	50548	0,42	11368	2	AcroRd32
327	19	10412	27088	0,39	11940	2	ApplicationFrameHost
123	8	1548	3968		4160	0	armsvc
56	6	868	1604		4132	0	AsHidSrv64
134	8	1488	3608		3836	0	AsLdrSrv64
123	9	1404	6392	0,08	13252	2	AsMonStartupTask64
456	18	8496	20036		4140	0	AsusLiveUpdateAgent
94	5	956	2492		4152	0	ASUSOptimization
223	13	2844	3412	0,17	2152	2	ASUSPowerScheme
348	13	3516	10824		4172	0	AsusSystemAnalysis
123	7	1196	2424		4188	0	AsusSystemDiagnosis
776	23	71324	39012	305,08	7236	0	audiodg
284	16	7088	19960	2,70	11584	2	chrome
414	37	174052	240524	114,44	10592	2	chrome
232	16	85088	111728	6,09	9708	2	chrome
214	12	7280	17084	1,05	12376	2	chrome
258	16	23832	52016	0,64	12084	2	chrome
383	36	233252	280824	53,64	11824	2	chrome
1108	37	230520	255388	108,41	9132	2	chrome
238	19	63432	85712	1,50	4500	2	chrome
205	14	11468	23180	0,06	3056	2	chrome
326	22	22312	43096	18,48	1300	2	chrome
193	9	1680	7276	0,03	7060	2	chrome
395	33	162528	208448	184,53	5520	2	chrome
1530	54	133388	207684	35,66	4892	2	chrome
154	8	1948	8860	0,55	14320	2	CompPkgSrv
97	7	6300	624	0,19	9084	2	conhost
273	13	4256	16448	4,58	7984	2	conhost
97	7	6204	2192		4056	0	conhost
480	17	6484	22436	4,66	11768	2	ctfmon
615	22	2480	5248		13676	2	csrss
721	25	1960	3660		776	0	csrss
652	28	86348	91156	20,08	11512	2	Discord
219	15	11072	21392	0,09	12560	2	Discord
955	120	183376	183604	1 187,88	13584	2	Discord
450	26	16676	35940	4,73	11180	2	Discord
784	48	35068	55880	12,92	6596	2	Discord
302	20	12680	55556	0,59	8112	2	Discord
293	25	29624	72096	1,84	9180	2	Discord
237	27	6640	15200	0,45	912	2	dllhost
186	11	4856	6308		4320	0	DTSAP03Service
1021	37	103184	89232		3396	2	dwm
105	7	1556	2728		4336	0	esif_uf
3710	99	85920	151780	34,39	6564	2	explorer

Get-Process | Sort-Object name -Descending név szerint növekvő sorrendbe rakja az objektumokat

Windows PowerShell

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

Handles	NPM(K)	PM(K)	WS(K)	CPU(s)	Id	SI	ProcessName
713	47	24872	1956	0,59	12640	2	YourPhone
314	14	7424	12072		1164	0	WUDFHost
181	12	3108	8160		6836	0	WmiPrvSE
148	8	1764	4060		3956	0	wlanext
851	57	29112	64352	70,70	11608	2	WINWORD
280	12	2744	9020		10436	2	winlogon
169	11	1668	4164		876	0	wininit
151	9	1408	2916		4680	0	WindscribeService
123	8	1560	7780		9192	0	unsecapp
377	21	9240	17768	12,31	9072	2	uihost
171	12	1580	8616	0,20	8412	2	TiltWheelMouse
522	22	12272	43424	1,31	4916	2	TextInputHost
259	33	7140	16284	0,80	12708	2	taskhostw
732	34	21372	1988	1,52	14248	2	SystemSettings
4812	0	204	2124		4	0	System
177	9	1652	4520		2660	0	svchost
192	10	7748	13680		2572	0	svchost
205	10	1904	6276		2772	0	svchost
183	11	2144	5128		2684	0	svchost
205	12	2412	9704		2484	0	svchost
119	8	1504	4060		2260	0	svchost
224	12	2360	7740		2196	0	svchost
379	12	2956	6848		2476	0	svchost
413	16	5092	9644		2332	0	svchost
173	10	1984	5004		2780	0	svchost
380	15	2956	7076		3616	0	svchost
139	10	1812	4228		3608	0	svchost
416	18	7476	14116		3808	0	svchost
512	20	6176	13156		3736	0	svchost
414	13	3548	11768		3312	0	svchost
234	11	2420	11460		3008	0	svchost
279	14	3352	5896		2856	0	svchost
215	14	2128	5608		3152	0	svchost
215	7	1268	3184		3016	0	svchost
250	13	2528	7564		1576	0	svchost
292	12	5400	10184		1492	0	svchost
414	17	6496	12616		1616	0	svchost
144	9	1952	9400		1596	0	svchost
396	14	3720	7588		1448	0	svchost
1333	21	8624	16312		1184	0	svchost
1165	23	12884	30216		1060	0	svchost
371	11	3072	8708		1288	0	svchost
272	10	2672	7972		1204	0	svchost
283	10	2160	5984		1696	0	svchost
176	12	1876	6344		2024	0	svchost

Get-Service | Where-Object { \$_.name -like "wi*" } kiadja azokat a neveket amelyeknek az első két betűje "wi"

Get-Service | Where-Object { \$_.name -eq "w32time" } megmutatja a windows időt

```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

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

Status Name DisplayName
-----
Stopped WiaRpc Állókép-beviteli események
Running WinDefend Microsoft Defender víruskereső szol...
Running WndscribeService WndscribeService
Running WinHttpAutoProx... WinHTTP automatikus webproxy-kereső...
Running Winmgmt Windows Management Instrumentation
Stopped WinRM Rendszerfelügyeleti webszolgáltatások
Stopped wisvc Windows Insider szolgáltatás

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

Status Name DisplayName
-----
Stopped W32Time Windows Time

PS C:\Users\User>
```

Get-Service | Group-Object status az objektumokat állapot szerint csoportosítja

```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/powershell

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

Status Name DisplayName
-----
Stopped WiaRpc Állókép-beviteli események
Running WinDefend Microsoft Defender víruskereső szol...
Running WndscribeService WndscribeService
Running WinHttpAutoProx... WinHTTP automatikus webproxy-kereső...
Running Winmgmt Windows Management Instrumentation
Stopped WinRM Rendszerfelügyeleti webszolgáltatások
Stopped wisvc Windows Insider szolgáltatás

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

Count Name Group
-----
187 Stopped {AarSvc_18fd6a6, AJRouter, ALG, AppIDSvc...}
114 Running {AdobeARMservice, AppXSvc, AsHidService, ASLDRService...}
```

Get-Process | ForEach-Object { \$_.id*2 } bejárja az objektumokat

```
Windows PowerShell
PS C:\Users\User> Get-Process | ForEach-Object { $_.id*2 }
22736
28072
23880
8320
8264
7672
26504
8280
8304
4304
8344
8376
14472
2600
6112
9000
9784
11040
14120
18264
19416
21184
23168
23648
24168
24752
28640
8112
15032
18168
23536
1552
27352
13192
16224
18360
22360
23024
25120
27168
1824
8640
6792
8672
13128
2184
20968
0
4272
```

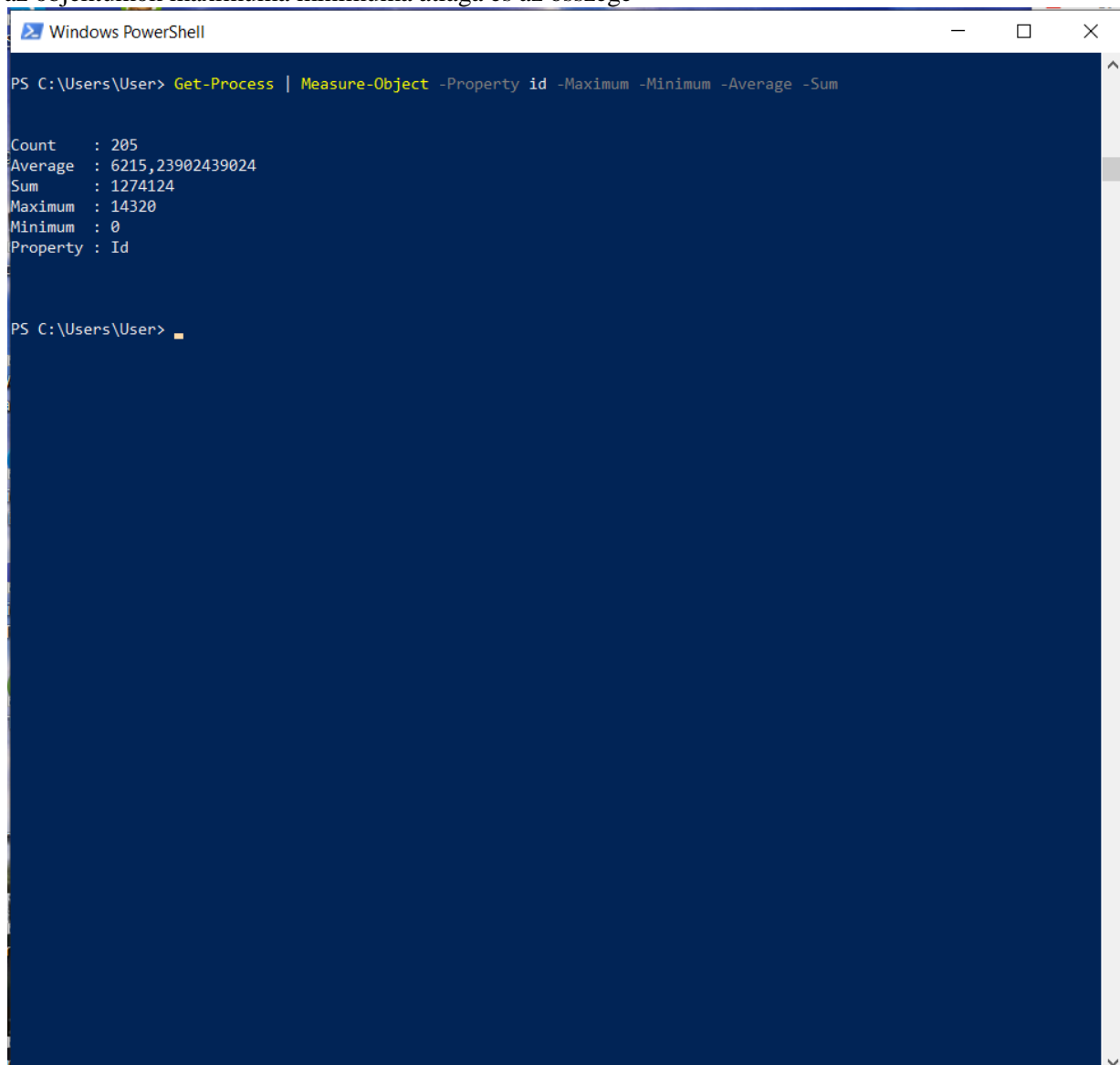
Get-Process | Measure-Object megszámolja az objektumokat

```
Windows PowerShell
22120
22256
24384
24920
25080
25368
28408
8
28496
25416
9832
16824
18144
18384
9360
1752
20872
23216
7912
13672
2328
25280
PS C:\Users\User> Get-Process | Measure-Object

Count      : 192
Average    :
Sum        :
Maximum    :
Minimum    :
Property   :

PS C:\Users\User> 
```


Get-Process | Measure-Object -Property id -Maximum -Minimum -Average -Sum
az objektumok maximuma minimuma átlaga és az összege

A screenshot of a Windows PowerShell window. The title bar at the top reads 'Windows PowerShell' and includes standard window controls (minimize, maximize, close). The command prompt shows the command 'Get-Process | Measure-Object -Property id -Maximum -Minimum -Average -Sum' being executed. The output is displayed in a light blue monospace font on a dark blue background. The output shows statistics for the 'id' property of all running processes: Count (205), Average (6215,23902439024), Sum (1274124), Maximum (14320), and Minimum (0). The 'Property' is identified as 'Id'. The prompt then returns to 'PS C:\Users\User>' with a cursor.

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

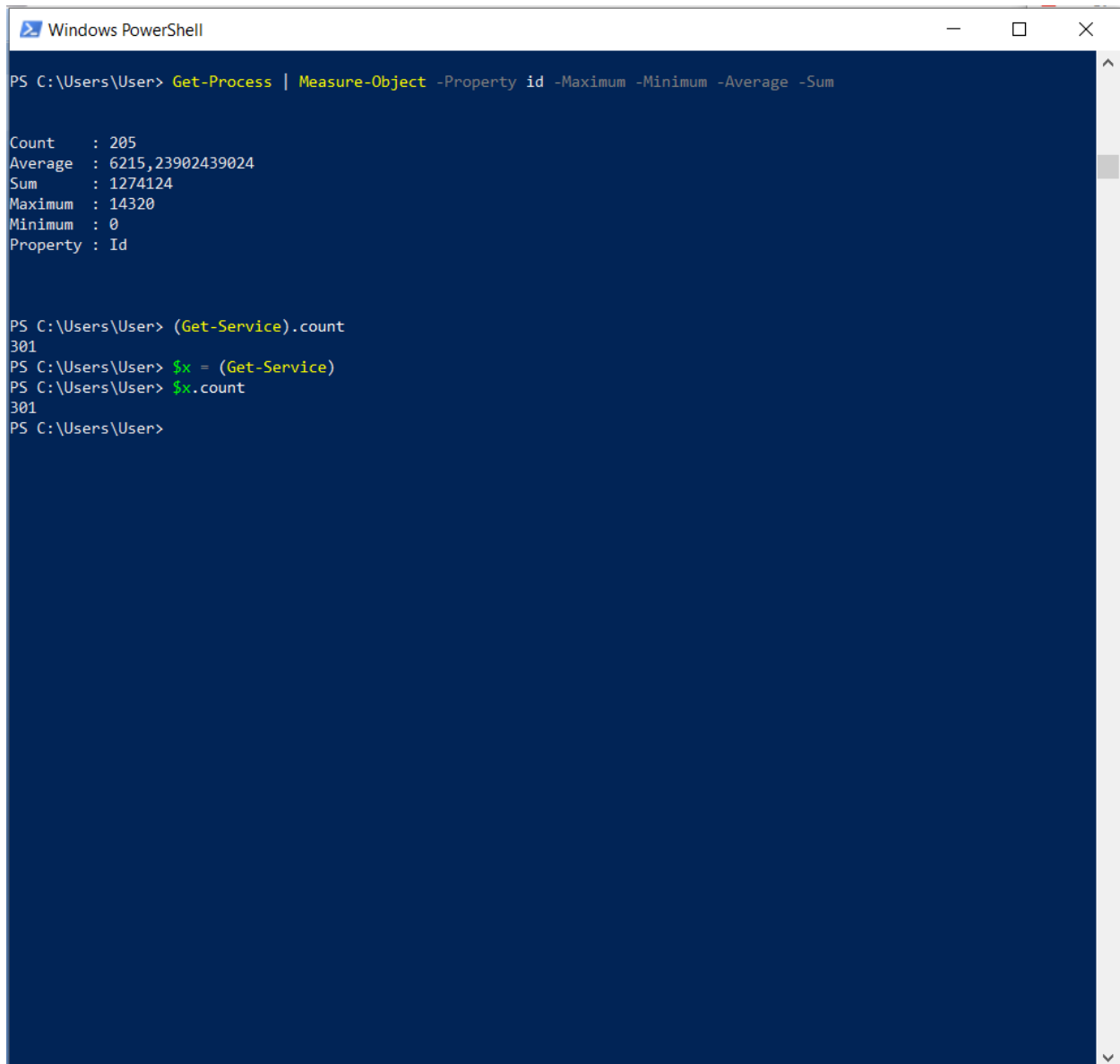
Count      : 205
Average    : 6215,23902439024
Sum        : 1274124
Maximum    : 14320
Minimum    : 0
Property   : Id

PS C:\Users\User>
```

(Get-Service).count objektumok számát adja meg

\$x = (Get-Service)

\$x.count objektumok számának megadás másik módszerrel



```
Windows PowerShell

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

Count       : 205
Average     : 6215,23902439024
Sum         : 1274124
Maximum     : 14320
Minimum     : 0
Property    : Id

PS C:\Users\User> (Get-Service).count
301
PS C:\Users\User> $x = (Get-Service)
PS C:\Users\User> $x.count
301
PS C:\Users\User>
```

\$x = 5 lekérdezi a tagokat
\$x | Get-Member

```
Windows PowerShell
PS C:\Users\User> $x = 5
PS C:\Users\User> $x | Get-Member

TypeName: System.Int32

Name      MemberType Definition
-----
CompareTo Method    int CompareTo(System.Object value), int CompareTo(int value), int IComparable.CompareTo(Syste...
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)
ToString   Method    string ToString(), string ToString(string format), string ToString(System.IFormatProvider pro...
ToType     Method    System.Object IConvertible.ToType(type conversionType, System.IFormatProvider provider)
ToUInt16   Method    uint16 IConvertible.ToUInt16(System.IFormatProvider provider)
ToUInt32   Method    uint32 IConvertible.ToUInt32(System.IFormatProvider provider)
ToUInt64   Method    uint64 IConvertible.ToUInt64(System.IFormatProvider provider)

PS C:\Users\User>
```

\$tomb= @()
\$tomb= 7,2,3
\$tomb= 1..100
\$tomb= Get-Process

\$tomb += 324

\$tomb[0]

```
Windows PowerShell
PS C:\Users\User> $tomb= @()
PS C:\Users\User> $tomb= 7,2,3
PS C:\Users\User> $tomb= 1..100
PS C:\Users\User> $tomb= Get-Process
PS C:\Users\User> $tomb += 324
PS C:\Users\User> $tomb[0]
```

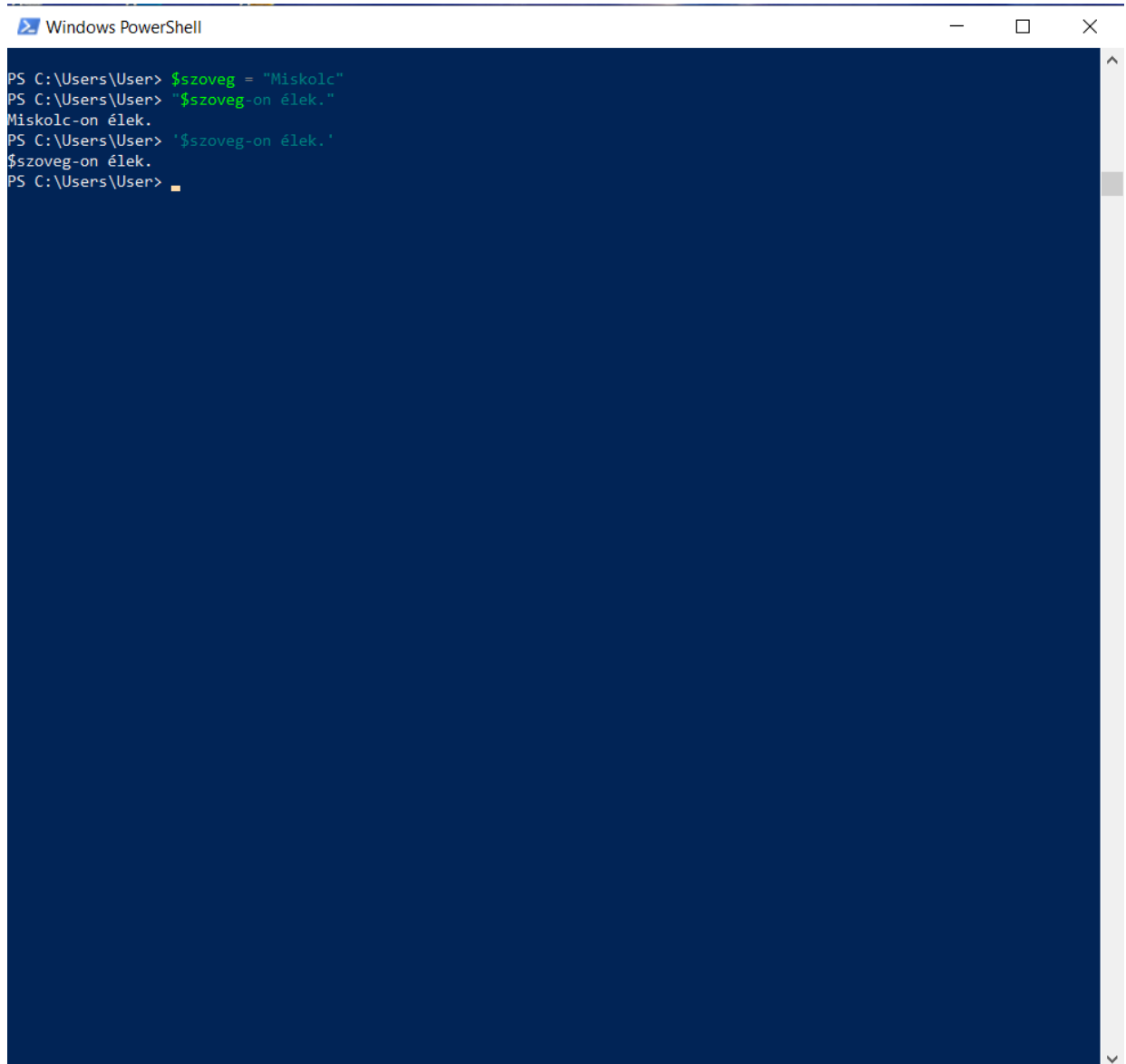
Handles	NPM(K)	PM(K)	WS(K)	CPU(s)	Id	SI	ProcessName
-----	-----	-----	-----	-----	--	--	-----
486	25	34044	23440	0,61	11368	2	AcroRd32

```
PS C:\Users\User>
```

`$szoveg = "Miskolc"` egy szöveg nevű változó amelynek az értéke "Miskolc"

`"$szoveg-on élek."` behelyettesítés

`'$szoveg-on élek.'` nem behelyettesítés



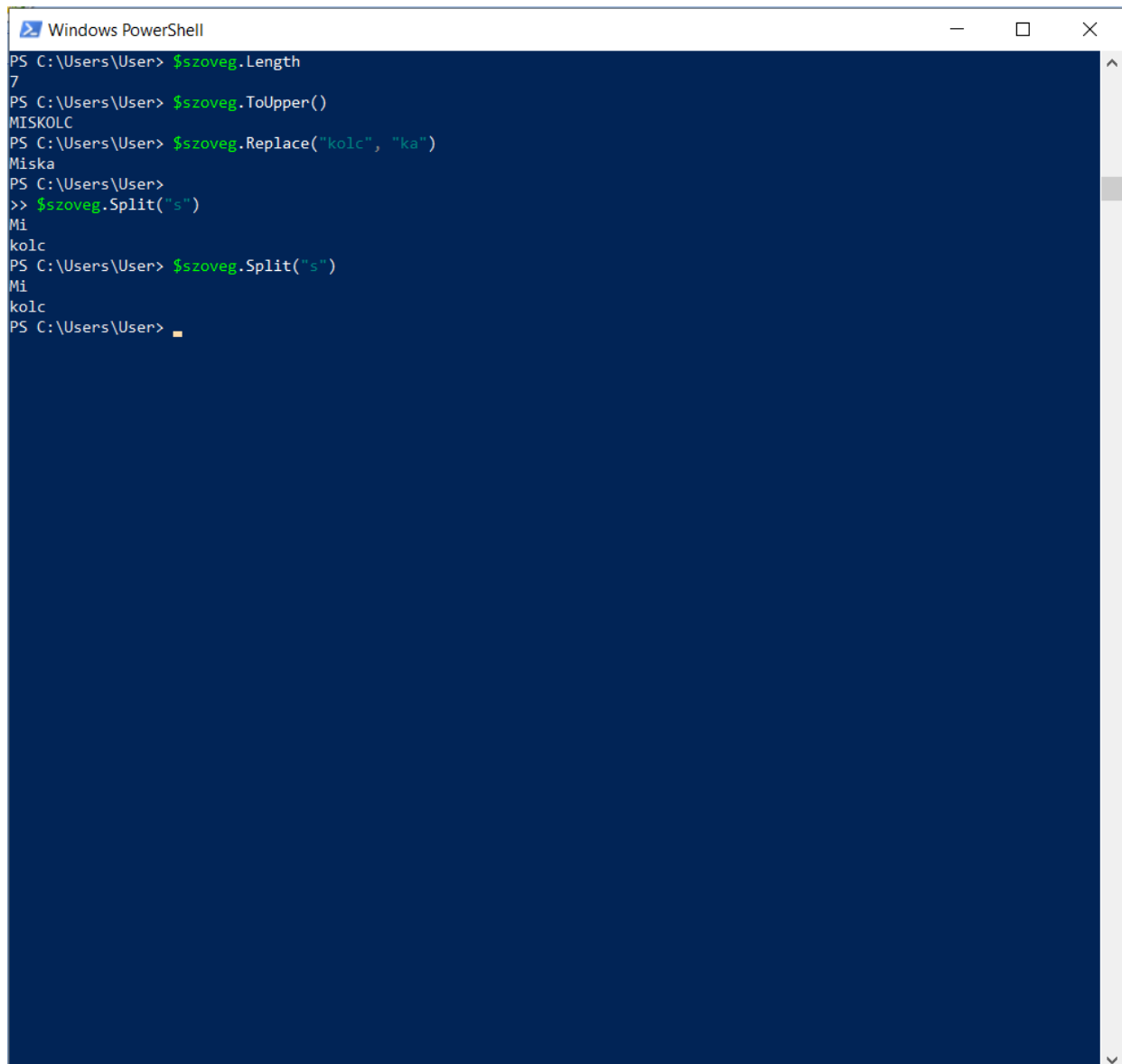
```
Windows PowerShell
PS C:\Users\User> $szoveg = "Miskolc"
PS C:\Users\User> "$szoveg-on élek."
Miskolc-on élek.
PS C:\Users\User> '$szoveg-on élek.'
$szoveg-on élek.
PS C:\Users\User>
```

`$szoveg.Length` megadja hogy hány betűből áll

`$szoveg.ToUpper()` mindent nagy betűssé alakít

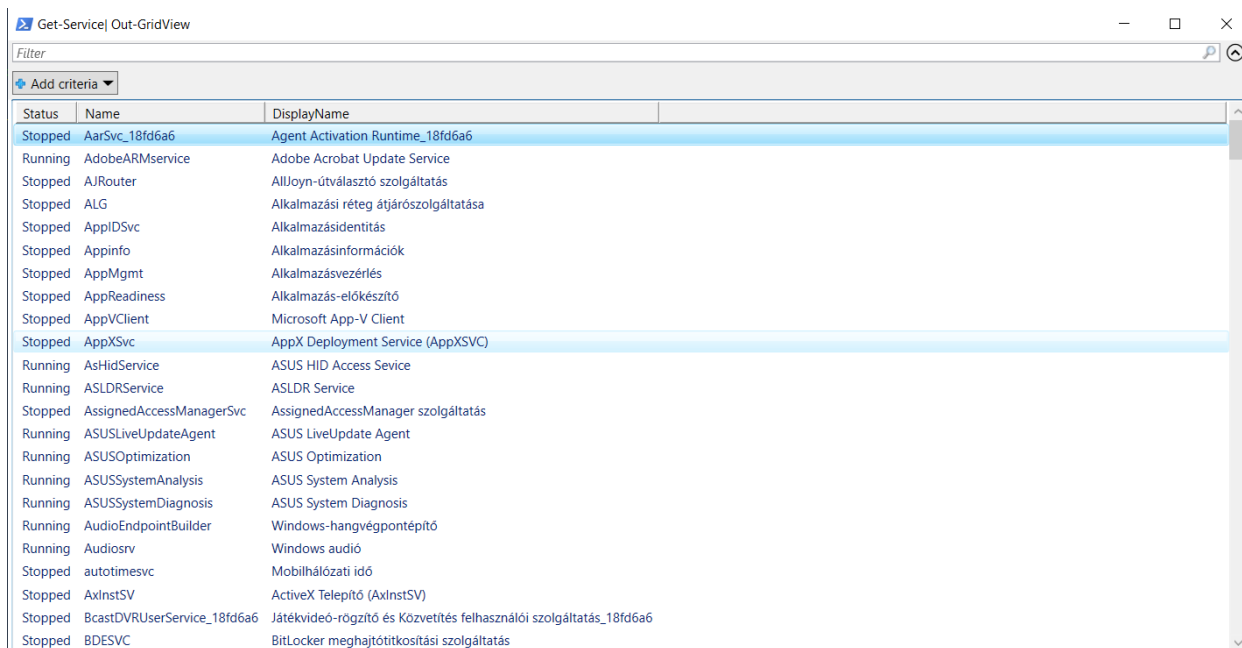
`$szoveg.Replace("kolc", "ka")`

`$szoveg.Split("s")` az "s" betűnél feltagolja a "Miskolcot" és kiveszi belőle az "s"



```
Windows PowerShell
PS C:\Users\User> $szoveg.Length
7
PS C:\Users\User> $szoveg.ToUpper()
MISKOLC
PS C:\Users\User> $szoveg.Replace("kolc", "ka")
Miska
PS C:\Users\User>
>> $szoveg.Split("s")
Mi
kolc
PS C:\Users\User> $szoveg.Split("s")
Mi
kolc
PS C:\Users\User> █
```

Get-Service| Out-GridView itt lehet a kimenetet átiránítani



Status	Name	DisplayName
Stopped	AarSvc_18fd6a6	Agent Activation Runtime_18fd6a6
Running	AdobeARMService	Adobe Acrobat Update Service
Stopped	AJRouter	AllJoyn-útvalasztó szolgáltatás
Stopped	ALG	Alkalmazási réteg átjárószolgáltatása
Stopped	AppIDSvc	Alkalmazásidentitás
Stopped	Appinfo	Alkalmazásinformációk
Stopped	AppMgmt	Alkalmazásvezérlés
Stopped	AppReadiness	Alkalmazás-előkészítő
Stopped	AppVClient	Microsoft App-V Client
Stopped	AppXSvc	AppX Deployment Service (AppXSVC)
Running	AsHidService	ASUS HID Access Service
Running	ASLDRService	ASLDR Service
Stopped	AssignedAccessManagerSvc	AssignedAccessManager szolgáltatás
Running	ASUSLiveUpdateAgent	ASUS LiveUpdate Agent
Running	ASUSOptimization	ASUS Optimization
Running	ASUSSystemAnalysis	ASUS System Analysis
Running	ASUSSystemDiagnosis	ASUS System Diagnosis
Running	AudioEndpointBuilder	Windows-hangvégpontépítő
Running	Audiosrv	Windows audio
Stopped	autotimesvc	Mobilhálózati idő
Stopped	AxInstSV	ActiveX Telepítő (AxInstSV)
Stopped	BcastDVRUserService_18fd6a6	Játékvideo-rögzítő és Közvetítés felhasználói szolgáltatás_18fd6a6
Stopped	BDESVC	BitLocker meghajtótitkosítási szolgáltatás

\$n= "C:\nwtcca.txt" definiálás

\$nwtcca = Get-Content \$n beolvasás

\$nwtcca tartalom megjelenítése

\$nwtcca.Count sorok számát adja meg

Get-Item \$n fájlról ír ki adatokat

```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\User> $n= "C:\nwtcca.txt"
PS C:\Users\User> $nwtcca = Get-Content $n
Get-Content : Cannot find path 'C:\nwtcca.txt' because it does not exist.
At line:1 char:11
+ $nwtcca = Get-Content $n
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (C:\nwtcca.txt:String) [Get-Content], ItemNotFoundException
+ FullyQualifiedErrorId : PathNotFound,Microsoft.PowerShell.Commands.GetContentCommand

PS C:\Users\User> $nwtcca
PS C:\Users\User> $nwtcca.Count
0
PS C:\Users\User> Get-Item $n
Get-Item : Cannot find path 'C:\nwtcca.txt' because it does not exist.
At line:1 char:1
+ Get-Item $n
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (C:\nwtcca.txt:String) [Get-Item], ItemNotFoundException
+ FullyQualifiedErrorId : PathNotFound,Microsoft.PowerShell.Commands.GetItemCommand

PS C:\Users\User> $nwtcca = Get-Content $n
Get-Content : Cannot find path 'C:\nwtcca.txt' because it does not exist.
At line:1 char:11
+ $nwtcca = Get-Content $n
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (C:\nwtcca.txt:String) [Get-Content], ItemNotFoundException
+ FullyQualifiedErrorId : PathNotFound,Microsoft.PowerShell.Commands.GetContentCommand

PS C:\Users\User>
```