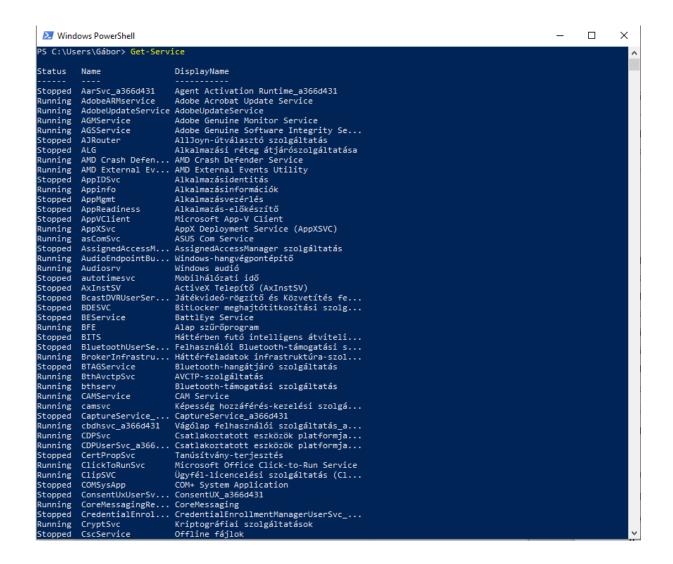
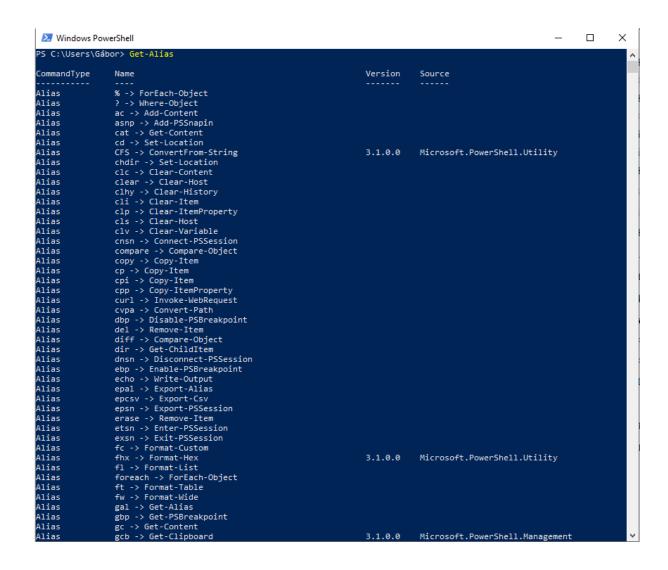
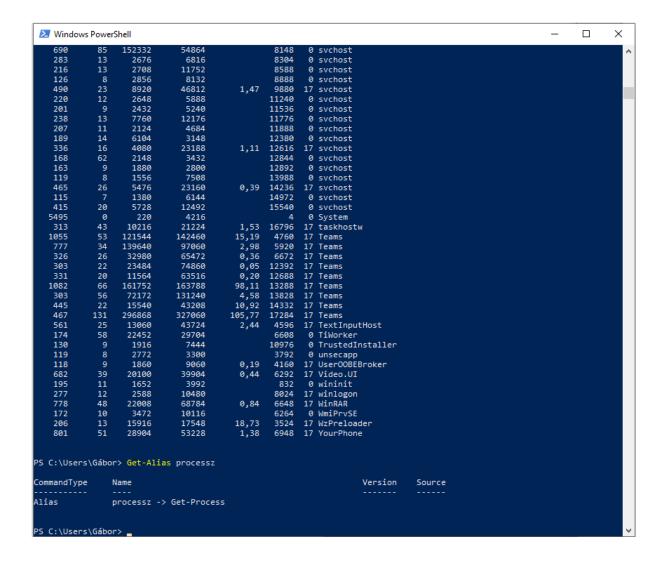
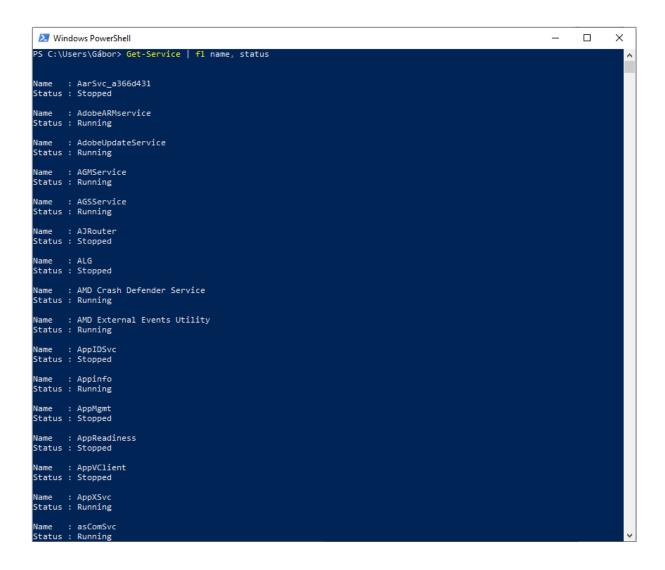
```
Windows PowerShell
                                                                                                                                                                             X
Copyright (C) Microsoft Corporation. All rights reserved.
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\Users\Gábor> $PSVersionTabl
PS C:\Users\Gábor> $PSVersionTable
Name
PSVersion
                                                 5.1.19041.906
                                                Pesktop
{1.0, 2.0, 3.0, 4.0...}
10.0.19041.906
4.0.30319.42000
PSEdition
 PSCompatibleVersions
 BuildVersion
CLRVersion
  SManStackVersion
PSRemotingProtocolVersion
SerializationVersion
                                                1.1.0.1
PS C:\Users\Gábor> Get-Service| Get-Member
     TypeName: System.ServiceProcess.ServiceController
 Name
                                        MemberType
                                        AliasProperty Name = ServiceName
AliasProperty RequiredServices = ServicesDependedOn
 Name
 RequiredServices
                                        Event
Method
                                                              System.EventHandler Disposed(System.Object, System.EventArgs) void Close()
Disposed
 Close
 Continue
                                         Method
                                                               void Continue()
                                                              void Continue()
System.Runtime.Remoting.ObjRef CreateObjRef(type requestedType)
void Dispose(), void IDisposable.Dispose()
bool Equals(System.Object obj)
void ExecuteCommand(int command)
 CreateObjRef
                                        Method
 Dispose
                                         Method
 Equals
                                        Method
                                         Method
 ExecuteCommand
 GetHashCode
                                         Method
                                                               int GetHashCode()
                                                              System.Object GetLifetimeService()
type GetType()
 GetLifetimeService
                                        Method
                                         Method
 GetType Method
InitializeLifetimeService Method
                                                              System.Object InitializeLifetimeService()
void Pause()
void Refresh()
 Pause
Refresh
                                         Method
                                         Method
                                                              void Start(), void Start(string[] args)
void Stop()
void WaitForStatus(System.ServiceProcess.ServiceControllerStatus desiredStat...
 Start
                                         Method
Stop
WaitForStatus
                                         Method
 CanPauseAndContinue
CanShutdown
                                                              bool CanPauseAndContinue {get;}
bool CanShutdown {get;}
                                         Property
                                         Property
 CanStop
                                         Property
                                                               bool CanStop {get;}
                                                              System.ComponentModel.IContainer Container {get;}
System.ServiceProcess.ServiceController[] DependentServices {get;}
 Container
                                         Property
 DependentServices
                                         Property
                                                              string DisplayName {get;set;}
string MachineName {get;set;}
System.Runtime.InteropServices.SafeHandle ServiceHandle {get;}
 DisplayName
                                         Property
 MachineName
                                         Property
 ServiceHandle
                                         Property
                                                              string ServiceName {get;set;}
System.ServiceProcess.ServiceController[] ServiceSDependedOn {get;}
 ServiceName
                                        Property
Property
 ServicesDependedOn
                                        Property System.ServiceProcess.ServiceController[] ServiceSpendedor
Property System.ServiceProcess.ServiceType ServiceType {get;}
Property System.ComponentModel.ISite Site {get;set;}
Property System.ServiceProcess.ServiceStartMode StartType {get;}
Property System.ServiceProcess.ServiceControllerStatus Status {get;}
ScriptMethod System.Object ToString();
 ServiceType
Site
StartType
 Status
 ToString
PS C:\Users\Gábor>
```









```
Windows PowerShell
                                                                                                                                                                                                                         \times
PS C:\Users\Gábor> ft name, status -AutoSize
PS C:\Users\Gábor> <mark>Get-Service | ft name, status</mark> -AutoSize
                                                                                                             Status
AarSvc_a366d431
AdobeARMservice
AdobeUpdateService
                                                                                                           Stopped
                                                                                                           Running
Running
Running
AGSService
AJRouter
                                                                                                           Running
Stopped
ASROUCE
ALG
AMD Crash Defender Service
AMD External Events Utility
                                                                                                            Stopped
                                                                                                           Running
Running
AppIDSvc
                                                                                                            Stopped
Appinfo
AppMgmt
AppReadiness
AppVClient
AppXSvc
                                                                                                           Running
Stopped
                                                                                                           Stopped
Stopped
Stopped
asComSvc
AssignedAccessManagerSvc
AudioEndpointBuilder
                                                                                                           Running
Stopped
                                                                                                            Running
                                                                                                           Running
Stopped
Audiosrv
autotimesvc
AxInstSV
BcastDVRUserService_a366d431
BDESVC
                                                                                                            Stopped
                                                                                                           Stopped
Stopped
BUESUC
BEService
BFE
BITS
BluetoothUserService_a366d431
BrokerInfrastructure
BTAGService
                                                                                                           Stopped
Running
                                                                                                           Stopped
Stopped
Running
                                                                                                            Stopped
                                                                                                           Running
Running
BthAvctpSvc
bthserv
CAMService
                                                                                                           Running
Running
Stopped
camsvc
CaptureService_a366d431
cbdhsvc_a366d431
CDPSvc
                                                                                                           Running
Running
CDPUserSvc_a366d431
                                                                                                            Running
CertPropSvc
ClickToRunSvc
                                                                                                           Stopped
Running
ClipSVC
COMSysApp
                                                                                                           Running
Stopped
ConsentUxUserSvc_a366d431
CoreMessagingRegistrar
CredentialEnrollmentManagerUserSvc_a366d431
                                                                                                            Stopped
                                                                                                           Running
Stopped
Running
```

Wind	lows Power	Shell						-	-	>
S C:\Us	ers\Gábo	r> Get-Pro	cess   Sor	t-Object na	ime					
andles	NPM(K)	PM(K)	WS(K)	CPU(s)	Id	SI	ProcessName			
794	63	133264	176696	39,11	13928	17	Adobe Desktop Service			
233	16	3608	11432	29,53	14904	17	AdobeIPCBroker			
222	13	2060	4572		3300	0	AdobeUpdateService			
271	16	7004	9820		3292	0	AGMService			
566	17	7836	9332		3316		AGSService			
166	12	3808	2848		1548		amdfendrsr			
156	11	2172	1724	0,06	13820		amdow			
5745	36	180900	170332	2,47	9384		AMDRSServ			
282	17	5168	26348	1,47	4664		ApplicationFrameHost			
146	8	1572	1860		11136		AppVShNotify			
337	18	4220	3852		3284		armsvc			
169	14	2480	1016	42,63	11728		ASUSGPUFanServiceEx			
177	8	1384	2244		1556		atiesrxx			
183	12	1888	4344		3308		atkexComSvc			
541	14	19324	23220	75,19	7860		audiodg			
55	5	616	3800	0,03	9712		CCXProcess			
297	19	50028	81684	9,38	11048		chrome			
165	9	6152	7460	0,02	10340		chrome			
283	18	51304	86716	3,89	17248		chrome			
214	13	13896	17084	0,09	13004		chrome			
1236	45	141268	206496	57,45	10060		chrome			
315	22	17156	30864	1,92	5812		chrome			
694	32	171900	164784	19,28	4636		chrome			
232	15	78644	102168	5,25	9248		chrome			
203	13	17920	23168	0,06	7612		chrome			
346	138	74760	105304	18,72	14328		codeblocks			
99	7	6300	10464	0,03	13940		conhost			
268	13	4420	16648	4,75	11324		conhost			
120	9	6644	136	0,05	7512		conhost			
427	27	10372	32084	19,33	12028		CoreSync			
509	18	18376	36360	15,13	17240		ctfmon			
843	36	10480	6572		8220		csrss			
777	24	2316	2920		696		csrss			
84	6	916	1156		4788		dasHost			
385	19	5328	10092		3840		dasHost			
238	24	23324	5120	64 528,92	14308		dbupgradeh			
299	20	12372	57784	0,16	10968		Discord			
881	110	203188	212392	335,16	12984		Discord			
699	34	141160	138680	20,95	15760		Discord			
877	53	38712	78920	19,75	4624		Discord			
212	15	10928	22932	0,08	5196		Discord			
423	22	15952	38200	3,95	7120		Discord			
240	17	3992	12744	0,20	8380		dllhost			
205	16	3376	4044		5304		dllhost			
1250	55	68164	76540		8960		dwm			
3525	190	86276	174052	127,88	14540	17	explorer			

```
➢ Windows PowerShell
                                                                                                                                                            X
 S C:\Users\Gábor> Get-Process | Sort-Object name -Descending
(Handles NPM(K)
                          PM(K)
                                          WS(K)
                                                        CPU(s)
                                                                       Id SI ProcessName
     801
                           28904
                                          53228
                                                          1,38
                                                                    6948
                                                                             17 YourPhone
                                                         18,95
                                                                             17 WzPreloader
                           15916
                                          17548
                                                                    3524
     206
                  13
     168
                            4072
                                          10440
                                                                              0 WmiPrvSE
     778
277
                          22004
2588
                                          68780
10480
                                                          0,84
                                                                             17 WinRAR
                  48
                                                                    6648
                                                                    8024
                                                                             17 winlogon
     195
                            1652
                                          3992
39904
                                                                            0 wininit
17 Video.UI
     682
                  39
                                                          0,44
0,19
                                                                    6292
                           20100
                  10
                                           9088
                                                                    4160
                                                                             17 UserOOBEBroker
     124
                           1920
     125
132
                   9
8
                            2832
1744
                                           3332
7384
                                                                             0 unsecapp
0 TrustedInstaller
                                                                   13492
                  58
25
26
                                                                            0 TiWorker
17 TextInputHost
17 Teams
                           22268
                                          29612
                                                                     5232
                                                                    4596
6672
                          13064
32980
                                          43736
65472
                                                       2,52
0,36
0,05
15,50
2,98
0,20
10,98
106,27
99,03
4,59
1,58
     561
     326
                  22
53
34
                                                                             17 Teams
17 Teams
17 Teams
17 Teams
      303
                           23328
                                          74828
                                                                    9724
    1057
                                        142572
97064
                                                                    4760
5920
                         121544
     777
334
445
                         139644
                          11600
15856
                                          63536
43332
                                                                   12688
                                                                             17 Teams
                                                                   14332
                                                                                 Teams
     467
                         297768
                                         327692
                                                                   17284
                                                                             17 Teams
    1082
303
308
                                                                             17 Teams
17 Teams
17 Teams
17 taskhostw
                 66
56
                         161996
72640
                                        164020
132144
                                                                   13288
                                                                   13828
                           10220
                                          21224
                                                                   16796
    5550
                          220
15336
                  0
12
15
14
14
15
9
                                          4220
                                                                              0 System
                                                                    2692
     634
                                                                              0 svchost
                            6612
1828
                                          12108
3160
                                                                    2620
2756
     550
                                                                              0 svchost
     138
                                                                              0 sychost
     954
                            8244
                                          16896
                                                                     2800
                                                                              0 svchost
     371
179
                            2752
2184
                                           5012
4204
                                                                    2764
2368
                                                                              0 svchost
                                                                              0 sychost
     174
                  10
                            2292
                                                                     2120
                                                                              0 svchost
    1253
393
                  10
14
                            3216
6676
                                           7452
                                                                    2380
                                                                              0 svchost
                                           9324
                                                                    2496
                                                                              0 svchost
     322
177
                                           6320
3520
                  15
9
                            4704
                                                                     2408
                                                                             0 svchost
0 svchost
                            1856
                                                                     3220
     378
                  29
                            8488
     343
129
137
                  20
                          50952
1556
                                          52892
                                                                    3228
3244
                                                                              0 svchost
                                           2204
2436
                                                                              0 sychost
                            1516
                                                                              0 svchost
     241
410
                            2680
                                           7896
6304
                                                                    2904
2880
                                                                              0 svchost
                  21
32
7
                            5080
                                                                              0 svchost
     492
                           13264
                                          16420
                                                                     2988
                                                                              0 svchost
     169
183
                            2968
                                           3256
3208
                                                                     3204
                                                                              0 svchost
0 svchost
                            2044
                                                                     3056
                            1696
3164
                                           2880
5688
                                                                             0 svchost
0 svchost
     141
                                                                     1380
     834
                  10
                                                                     1320
                                                                              0 svchost
 Windows PowerShell
                                                                                                                                                            ×
PS C:\Users\Gábor> Get-Service | Where-Object { $_.name -eq "w32tim
Status Name
                                      DisplayName
Running W32Time
                                      Windows Time
PS C:\Users\Gábor> _
PS C:\Users\Gábor> Get-Service | Where-Object { $_.name -like "wi*" }
Status
                                       DisplayName
                                       Állókép-beviteli események
Stopped
            WiaRpc
            WinDefend Microsoft Defender víruskereső szol...
WinHttpAutoProx... WinHTTP automatikus webproxy-kereső...
Winmgmt Windows Management Instrumentation
Running
Running
 Running
                                      Rendszerfelügyeleti webszolgáltatások
Windows Insider szolgáltatás
Stopped
            WinRM
Stopped wisvo
PS C:\Users\Gábor> _
```

```
Windows PowerShell
                                                                                                                                                                                                     X
   PS C:\Users\Gábor> Get-Service | Group-Object status
  Count Name
                                                         Group
     168 Stopped
110 Running
                                                          {AarSvc_a366d431, AJRouter, ALG, AppIDSvc...} {AdobeARMservice, AdobeUpdateService, AGMService, AGSService...}
  PS C:\Users\Gábor> _
  Windows PowerShell
                                                                                                                                                                                                       ×
Windows PowerShell

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

27856
29808
6600
6584
6632
3096
27640
18768
9328
22272
6568
23456
3112
6616
15720
19424
9272
 9272
11624
15224
18496
20120
20680
22096
26008
34496
 28656
15024
22648
27880
24056
34480
1392
16440
7680
9576
28616
9248
10392
10392
14240
21936
25968
31520
10608
16760
 17920
29080
4000
 1608
7272
   Windows PowerShell
                                                                                                                                                                                           _ _
 PS C:\Users\Gábor> Get-Process | Measure-Object
 Count
Average
Sum
Maximum
Minimum
 Property :
 PS C:\Users\Gábor
```

```
PS C:\Users\Gábor> Get-Process | Measure-Object -Property id -Maximum -Minimum -Average -Sum
Count
                : 7177,73451327434
: 1622168
Average
Sum
                 : 17284
 Minimum : 0
Property : Id
Minimum
PS C:\Users\Gábor> 🕳
   Windows PowerShell
                                                                                                                                                                                                                                PS C:\Users\Gábor> (Get-Service).count
  PS C:\Users\Gábor> _
   Windows PowerShell
                                                                                                                                                                                                                                ×
 PS C:\Users\Gábor> $x = 5
PS C:\Users\Gábor> $x | Get-Member
      TypeName: System.Int32
  Name
                        MemberType Definition
                                              int CompareTo(System.Object value), int CompareTo(int value), int IComparable.CompareTo(Syste...
bool Equals(System.Object obj), bool Equals(int obj), bool IEquatable[int].Equals(int other)
int GetHashCode()
  CompareTo
  Equals
                         Method
  GetHashCode Method
 GetType
                         Method
                                               type GetType()
                                              type GetType()
System.TypeCode GetTypeCode(), System.TypeCode IConvertible.GetTypeCode()
bool IConvertible.ToBoolean(System.IFormatProvider provider)
byte IConvertible.ToByte(System.IFormatProvider provider)
char IConvertible.ToChar(System.IFormatProvider provider)
datetime IConvertible.ToDateTime(System.IFormatProvider provider)
decimal IConvertible.ToDateTime(System.IFormatProvider provider)
double IConvertible.ToDouble(System.IFormatProvider provider)
intl6 IConvertible ToTheCourter IFormatProvider provider)
 GetTypeCode Method
ToBoolean Method
  ToByte
                         Method
                         Method
  ToChar
  ToDateTime
                         Method
                         Method
  ToDecimal
  ToDouble
                         Method
                        Method
Method
                                               int16 IConvertible.ToInt16(System.IFormatProvider provider) int IConvertible.ToInt32(System.IFormatProvider provider) long IConvertible.ToInt64(System.IFormatProvider provider)
  ToInt16
 ToInt32
ToInt64
                         Method
                                              Iony Iconvertible.ToIntb4(System.IFormatProvider provider)
float Iconvertible.ToShyte(System.IFormatProvider provider)
float Iconvertible.ToSingle(System.IFormatProvider provider)
string ToString(), string ToString(string format), string ToString(System.IFormatProvider pro...
System.Object Iconvertible.ToUype(type conversionType, System.IFormatProvider provider)
uint16 Iconvertible.ToUInt16(System.IFormatProvider provider)
uint32 Iconvertible.ToUInt32(System.IFormatProvider provider)
uint64 Iconvertible.ToUInt54(System.IFormatProvider provider)
                        Method
Method
  ToSByte
  ToSingle
ToString
  ToType
ToUInt16
                        Method
Method
   oUInt32
                         Method
                         Method
                                               uint64 IConvertible.ToUInt64(System.IFormatProvider provider)
  ToUInt64
 PS C:\Users\Gábor>
   Windows PowerShell
                                                                                                                                                                                                                                 X
éPS C:\Users\Gábor> "$szoveg-on élek
\Miskolc-on élek.
 PS C:\Users\Gábor> $szoveg.Length
7
  PS C:\Users\Gábor> $szoveg.ToUpper()
 PS C:\Users\Gábor> $szoveg.Replace("kolc", "ka")
 PS C:\Users\Gábor> $szoveg.Split("s")
Mi
  PS C:\Users\Gábor> 🕳
```

