

```
Administrator: Windows PowerShell
PS C:\Windows\system32> Get-Service

Status Name DisplayName
-----
Stopped AarSvc_a5c43 Agent Activation Runtime_a5c43
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
Running AppXSvc AppX Deployment Service (AppXSVC)
Stopped AssignedAccessM... AssignedAccessManager szolgáltatás
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...
Running BFE Alap szűrőprogram
Stopped BITS Háttérben futó intelligens átviteli...
Stopped BluetoothUserSe... Felhasználói Bluetooth-támogatási s...
Running Bonjour Service Bonjour Service
Running BrokerInfrastru... Háttérfeladatok infrastruktúra-szol...
Stopped BTAGService Bluetooth-hangátjáró szolgáltatás
Running BthAvctpSvc AVCTP-szolgáltatás
Stopped bthserv Bluetooth-támogatási szolgáltatás
Running camsvc Képesség hozzáférés-kezelési szolgá...
Running CaptureService_... CaptureService_a5c43
Running cbdhsvc_a5c43 Vágólap felhasználói szolgáltatás_a...
Running CDPsvc Csatlakoztatott eszközök platformja...
Running CDPUserSvc_a5c43 Csatlakoztatott eszközök platformja...
Stopped CertPropSvc Tanúsítvány-terjesztés
Running ClickToRunSvc Microsoft Office Click-to-Run Service
Running ClipSvc Ügyfél-licenclési szolgáltatás (Cl...
Stopped COMSysApp COM+ System Application
Stopped ConsentUxUserSv... ConsentUX_a5c43
Running CoreMessagingRe... CoreMessaging
Stopped CredentialEnrol... CredentialEnrollmentManagerUserSvc_...
Running CryptSvc Kriptográfiai szolgáltatások
Stopped CscService Offline fájlok
Running DcomLaunch DCOM-kiszolgáló folyamatindítója
Stopped defragsvc Meghajtók optimalizálása
Stopped DeviceAssociati... DeviceAssociationBroker_a5c43
Running DeviceAssociati... Eszköztársítási szolgáltatás
Running DeviceInstall Eszköztelepítő szolgáltatás
Stopped DevicePickerUse... DevicePicker_a5c43
Stopped DevicesFlowUser... DevicesFlow_a5c43
Stopped DevQueryBroker DevQuery - észlelési háttérfeladat ...
```

```
Administrator: Windows PowerShell
-a---- 2019. 12. 06. 17:34 60928 InprocLogger.dll
-a---- 2019. 12. 07. 10:09 378168 input.dll
-a---- 2021. 01. 14. 16:50 154112 InputCloudStore.dll
-a---- 2021. 01. 14. 16:50 69632 InputController.dll
-a---- 2021. 01. 14. 16:50 1379072 InputHost.dll
-a---- 2021. 01. 14. 16:50 136192 InputInjectionBroker.dll
-a---- 2021. 02. 10. 10:45 142336 InputLocaleManager.dll
-a---- 2021. 02. 10. 10:45 4730880 InputService.dll
-a---- 2021. 01. 14. 16:50 539648 InputSwitch.dll
-a---- 2021. 01. 14. 16:50 86528 InputSwitchToastHandler.exe
-a---- 2019. 12. 07. 10:08 1284 InputSystemToastIcon.contrast-white.png
-a---- 2019. 12. 07. 10:08 917 InputSystemToastIcon.png
-a---- 2019. 12. 07. 10:09 120320 inseng.dll
-a---- 2021. 02. 10. 10:45 2432512 InstallService.dll
-a---- 2021. 01. 14. 16:50 231936 InstallServiceTasks.dll
-a---- 2021. 01. 14. 16:51 723456 internetmail.dll
-a---- 2021. 01. 14. 16:51 97280 InternetMailCsp.dll
-a---- 2021. 01. 14. 16:50 238592 intl.cpl
-a---- 2020. 10. 16. 13:38 586048 invagent.dll
-a---- 2019. 12. 07. 10:08 2560 iologmsg.dll
-a---- 2021. 01. 14. 16:50 194560 IoTAssignedAccessLockFramework.dll
-a---- 2019. 12. 07. 16:18 137736 iotstartup.exe
-a---- 2019. 12. 07. 10:09 35840 ipconfig.exe
-a---- 2019. 12. 07. 10:08 75776 IPELoggingDictationHelper.dll
-a---- 2020. 10. 16. 13:38 230392 IPHLPAPI.DLL
-a---- 2021. 01. 14. 16:50 836096 iphlpvc.dll
-a---- 2021. 01. 14. 16:50 619008 ipnathlp.dll
-a---- 2019. 12. 07. 10:09 32768 IpNatHlpClient.dll
-a---- 2020. 11. 14. 22:48 11776 iprtprio.dll
-a---- 2020. 11. 14. 22:48 628224 iprtrmgr.dll
-a---- 2021. 01. 14. 16:50 422912 ipsecsnp.dll
-a---- 2019. 12. 07. 10:08 463360 IPSECSVC.DLL
-a---- 2021. 01. 14. 16:50 532480 ipsmsnap.dll
-a---- 2019. 12. 07. 10:08 66048 ipxlatcfg.dll
-a---- 2020. 10. 16. 13:38 51120 iri.dll
-a---- 2019. 12. 07. 10:09 37376 irprops.cpl
-a---- 2019. 12. 07. 10:09 50688 iscsicli.exe
-a---- 2019. 12. 07. 10:09 109568 iscsicpl.dll
-a---- 2019. 12. 07. 10:09 12800 iscsicpl.exe
-a---- 2019. 12. 07. 10:09 79360 iscsidsc.dll
-a---- 2019. 12. 07. 10:09 12800 iscsied.dll
-a---- 2019. 12. 07. 10:09 160256 iscsiexe.dll
-a---- 2021. 02. 10. 10:45 16896 iscsilog.dll
-a---- 2019. 12. 07. 10:09 37376 iscsium.dll
-a---- 2019. 12. 07. 10:09 84480 iscsiwmv.dll
-a---- 2019. 12. 07. 10:09 131072 iscsiwmv2.dll
-a---- 2021. 02. 10. 10:45 2250752 ISM.dll
-a---- 2021. 01. 14. 16:50 122368 isoburn.exe
-a---- 2021. 01. 14. 16:50 205824 itircl.dll
-a---- 2019. 12. 07. 10:09 177152 itss.dll
```

```
Administrator: Windows PowerShell
PS C:\Windows\system32> 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
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
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

Version          Source
-----
3.1.0.0          Microsoft.PowerShell.Utility
3.1.0.0          Microsoft.PowerShell.Utility
3.1.0.0          Microsoft.PowerShell.Management
```

```
Administrator: Windows PowerShell

369      18      4352      16876      0,17      4048      0 svchost
163      11      2664      14108      0,06      4120      1 svchost
218      13      2560      5628       0,03      4284      0 svchost
301      13      3664      14380      2,02      4792      0 svchost
208      11      2284      7736       0,08      4828      0 svchost
392      26      3484      10692      0,09      4908      0 svchost
233      17      2128      6096       0,14      5276      0 svchost
80       5       1004      3396       0,03      5800      0 svchost
734      85      28896     37260      7,95      5864      0 svchost
221      12      2848      9920       1,30      6064      0 svchost
422      18      9604      22948      4,11      6940      1 svchost
265      14      4068      12660      0,25      6956      0 svchost
540      24      8948      41044      2,22      7000      1 svchost
382      23      4988      14080      0,11      7276      0 svchost
356      17      9324      27224      0,33      7560      1 svchost
214      11      2064      6924       0,03      7672      0 svchost
144      10      1740      6456       0,05      7840      0 svchost
155      9       3988      11272      0,03      7848      0 svchost
177      11      2144      8136       0,08      7920      0 svchost
270      12      2512      10988      0,06      7972      0 svchost
189      11      2456      8732       0,11      9296      0 svchost
143      9       1868      8408       0,02      9788      0 svchost
198      16      7320      10116      0,11      10544     0 svchost
116      7       2852      7676       0,02      11028     0 svchost
102      7       1256      4904       0,02      11892     0 svchost
381      19      4748      15444      1,20      12404     0 svchost
490      26      5768      19960      0,33      12952     1 svchost
286      12      4660      9292       0,16      13172     0 svchost
190      11      2172      10004      0,02      15236     0 svchost
5395     0       204       2320      396,75     4         0 System
748      36      71148     2504       0,55      3756      1 SystemSettings
280      41      10084     16388      0,41      7100      1 taskhostw
605      26      62256     40860      2,33      12096     1 TextInputHost
128      10      2148      8096       0,00      1708      1 UserOOBEBroker
165      11      1448      4944       0,06      796       0 wininit
276      13      2732      9964       0,14      968       1 winlogon
1124     71      106100    2884       0,95      5332      1 WinStore.App
779      50      75264     14668      0,14      8760      1 YourPhone

PS C:\Windows\system32> Get-Alias proba

CommandType      Name
-----
Alias             proba -> Get-Process

PS C:\Windows\system32>
```

```
Administrator: Windows PowerShell
PS C:\Windows\system32> Get-Service | fl name, status

Name      : AarSvc_a5c43
Status    : Stopped

Name      : AJRouter
Status    : Stopped

Name      : ALG
Status    : Stopped

Name      : AppIDSvc
Status    : Stopped

Name      : Appinfo
Status    : Running

Name      : AppMgmt
Status    : Stopped

Name      : AppReadiness
Status    : Stopped

Name      : AppVClient
Status    : Stopped

Name      : AppXSvc
Status    : Running

Name      : AssignedAccessManagerSvc
Status    : Stopped

Name      : AudioEndpointBuilder
Status    : Running

Name      : Audiosrv
Status    : Running

Name      : autotimesvc
Status    : Stopped

Name      : AxInstSV
Status    : Stopped

Name      : BcastDVRUserService_a5c43
Status    : Stopped

Name      : BDESVC
Status    : Stopped
```

Administrator: Windows PowerShell							
PS C:\Windows\system32> Get-Process Sort-Object name							
Handles	NPM(K)	PM(K)	WS(K)	CPU(s)	Id	SI	ProcessName
-----	-----	-----	-----	-----	--	--	-----
545	31	37540	32188	0,27	12376	1	ApplicationFrameHost
173	10	6632	12200	0,45	12112	0	audiodg
434	23	28892	50880	19,56	12412	1	Blitz
276	21	27872	55544	1,11	11684	1	Blitz
591	36	191344	150428	212,56	12508	1	Blitz
241	14	11656	23688	0,02	13300	1	Blitz
992	60	85696	111196	101,69	13164	1	Blitz
259	21	26968	56728	1,33	2308	1	Blitz
1210	213	471244	470032	606,25	1952	1	Blitz
265	17	12120	45748	0,05	2392	1	Blitz
259	20	20224	58816	0,05	6736	1	Blitz
283	23	27348	65668	0,44	5928	1	Blitz
591	31	72736	1664	0,50	10184	1	Calculator
194	10	1820	7664	0,00	8028	1	CDASrv
100	7	6320	2280	0,03	10688	1	conhost
265	13	5084	17900	3,92	10412	1	conhost
479	17	8900	21744	7,19	6600	1	ctfmon
751	35	2568	4940	135,38	808	1	csrss
617	23	1748	4452	1,25	696	0	csrss
84	6	948	3460	0,00	5832	0	dashost
377	19	4148	10540	0,06	684	0	dashost
545	33	60816	76272	5,50	11856	1	Discord
928	112	166140	191680	38,23	12304	1	Discord
719	48	32772	60796	3,63	13128	1	Discord
212	15	11044	19616	0,02	5444	1	Discord
299	20	12520	46840	0,11	7544	1	Discord
412	22	14384	32380	0,39	8020	1	Discord
260	45	11236	18932	0,11	10632	1	dllhost
203	16	3108	8948	0,03	6748	0	dllhost
151	9	1948	12864	0,13	1604	1	dllhost
1315	66	138392	60136	384,52	1232	1	dwm
3123	414	150900	157092	34,95	7212	1	explorer
32	5	1476	2504	0,00	920	0	fontdrvhost
32	8	3624	6296	0,09	904	1	fontdrvhost
703	33	66044	2740	0,36	2924	1	GameBar
288	12	2912	11196	0,09	6628	1	GameBarFTServer
437	19	5664	20300	1,25	4624	0	GamingServices
102	6	1124	3976	0,02	4228	0	GamingServicesNet
171	10	1612	1528	0,00	10988	0	GoogleCrashHandler
154	9	1664	1276	0,00	11012	0	GoogleCrashHandler64
619	31	65948	50292	0,23	10120	1	HxAccounts
963	44	73408	3872	0,53	12048	1	HxOutlook
614	26	9524	24964	0,16	4924	1	HxTsr
0	0	60	8	0	0	0	Idle
394	19	3496	12624	0,17	12528	1	jusched
567	29	63164	37260	0,34	9624	1	LockApp

```
Administrator: Windows PowerShell
PS C:\Windows\system32> Get-Service | Where-Object { $_.name -eq "w32time" }

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

PS C:\Windows\system32> Get-Service | Where-Object { $_.name -like "wi*" }

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

PS C:\Windows\system32> 
```

```
Administrator: Windows PowerShell
PS C:\Windows\system32> Get-Service | Group-Object status

Count Name Group
-----
162 Stopped {AarSvc_a5c43, AJRouter, ALG, AppIDSvc...}
107 Running {Appinfo, AppXSvc, AudioEndpointBuilder, Audiosrv...}

PS C:\Windows\system32> Get-Process | ForEach-Object { $_.id*2 }
24752
24224
3904
4616
4784
11856
13472
23368
24824
25016
26328
26600
20368
16056
20824
21376
13200
1392
1616
1368
11664
10888
15088
16040
23712
24608
26256
3208
13496
21264
2464
14424
1808
1840
5848
13256
9248
8456
21976
22024
20240
```



```
Windows PowerShell
PS C:\Users\xpnye> "C:\wh85zh.txt"
C:\wh85zh.txt
PS C:\Users\xpnye> $wh85zh = "Nyeste Agoston"
PS C:\Users\xpnye> $wh85zh
Nyeste Agoston
PS C:\Users\xpnye> $wh85zh.Count
1
PS C:\Users\xpnye>
```

```
Administrator: Windows PowerShell
PS C:\Windows\system32> (Get-Service).count
269
PS C:\Windows\system32> $x = 5
PS C:\Windows\system32> $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:\Windows\system32>
```

```
Administrator: Windows PowerShell
PS C:\Windows\system32> $tomb= @()
PS C:\Windows\system32> $tomb= 7,2,3
PS C:\Windows\system32> $tomb= 1..100
PS C:\Windows\system32> $tomb= Get-Process
PS C:\Windows\system32> $tomb += 324
PS C:\Windows\system32> $tomb[0]

Handles   NPM(K)    PM(K)      WS(K)      CPU(s)      Id  SI ProcessName
-----
      545         31   37540     32196      0,27   12376    1 ApplicationFrameHost

PS C:\Windows\system32> $szoveg = "Miskolc"
PS C:\Windows\system32> "$szoveg-on élek."
Miskolc-on élek.
PS C:\Windows\system32> '$szoveg-on élek.'
$szoveg-on élek.
PS C:\Windows\system32> $szoveg.Length
7
PS C:\Windows\system32> $szoveg.ToUpper()
MISKOLC
PS C:\Windows\system32> $szoveg.Replace("kolc", "ka")
Miska
PS C:\Windows\system32> $szoveg.Split("s")
Mi
kolc
PS C:\Windows\system32> Out-GridView
PS C:\Windows\system32> Get-Service| Out-GridView
PS C:\Windows\system32>
```

```
Administrator: Windows PowerShell
PS C:\Windows\system32> Get-Process | Measure-Object

Count      : 206
Average     :
Sum         :
Maximum     :
Minimum     :
Property    :

PS C:\Windows\system32> Get-Process | Measure-Object -Property id -Maximum -Minimum -Average -Sum

Count      : 206
Average     : 6061,20388349515
Sum         : 1248608
Maximum     : 15236
Minimum     : 0
Property    : Id

PS C:\Windows\system32> 
```

```
Windows PowerShell
PS C:\Users\xpnye> "C:\wh85zh.txt"
C:\wh85zh.txt
PS C:\Users\xpnye> $wh85zh = "Nyeste Agoston"
PS C:\Users\xpnye> $wh85zh
Nyeste Agoston
PS C:\Users\xpnye> $wh85zh.Count
1
PS C:\Users\xpnye>
```

```
Administrator: Windows PowerShell
PS C:\Windows\system32> 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:\Windows\system32>
```

```
Administrator: Windows PowerShell
PS C:\Windows\system32> $PSVersionTable

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

PS C:\Windows\system32>
```