

Comand Prompt Commands

Command	Description
::	Comment / Remark
append	Allows program to open data files in specified directories as if they were in the current director.
arp	Address Resolution Protocol
assoc	Displays or modifies file extension associations.
at	Schedule a command to run at a specific time
attrib	Displays or changes file attributes.
auditpol	Audit Policy
bcdboot	Create or repair a system partition
bcdedit	Manage Boot Configuration Data
bitsadmin	Background Intelligent Transfer Service
bootcfg	Edit Windows boot settings
break	Sets or clears extended CTRL+C checking.
cacls	Displays or modifies access control lists of files
call	Calls one batch program from another.
cd	Change Directory - move to a specific Folder
certutil	Utility for certification authority (CA) files and services
change	Change Terminal Server Session properties
chcp	Displays or sets the active code page number.
chdir	Displays the name of or changes the current directory
chglogon	Enable, disable, or drain session logins.
chgport	List or change COM port mappings for DOS application compatibility.
cscript	Windows Cscript Host
chkdsk	Checks a disk and displays a status report.
chkntfs	Displays or modifies the checking of disk at boot time.
choice	Accept keyboard input to a batch file
cipher	Encrypt or Decrypt files/folders
clip	Dedirects output of another command to the Windows clipboard
cls	Clears the screen.
cmd	Start a new CMD shell
cmdkey	Manage stored usernames/passwords
color	Change colors of the CMD window
comp	Compares the contents of two files or sets of files.
compact	Displays or alters the compression of files on NTFS partitions.
convert	Convert a FAT drive to NTFS
copy	Copy one or more files to another location
date	Displays or sets the date.
debug	A program testing and editing tool.
defrag	Defragment hard drive
del	Deletes one or more files.
deltree	Delete a folder and all subfolders
dir	Displays a list of files and folders
diskcomp	Compares the contents of two floppy disks
diskpart	Displays or configures Disk Partition properties.
diskraid	DiskRAID application

Comand Prompt Commands

Command	Description
doskey	Edit command line, recall commands, and create macros
driverquery	Display installed device drivers
echo	Display message on screen
edlin	A line-oriented text editor.
endlocal	Ends localization of environment changes in a batch file.
erase	Deletes files
esentutil	Databse utilities for the Extensible Storage Engine.
exe2bin	Converts executable files to binary format.
eventcreate	Add a message to the Windows event log
exit	Quitx the current script/routine
expand	Uncompress CAB files
explorer	Open Windows Explorer
fc	Compare two files and the differences between them
find	Search for a text string in a file
findstr	Search for strings in files
for	Runs a specified command for each file in a set of files.
for /f	Loop command: against a set of files
forfiles	Batch process multiple files
format	Format a disk
fsutil	Displays or configures the file system properties.
ftp	File Transfer Protocol
ftype	Displays or modifies file types used in file extension associations.
getmac	Display the Media Access Control (MAC) address
goto	Direct a batch program to jump to a labelled line
gpresult	Display Resultant Set of Policy information
gpupdate	Update Group Policy settings
graftabl	Enables Windows to display an extended character set in graphics mode.
help	Provides Help information for Windows commands.
hostname	Display the host name of the computer
icacls	Change file and folder permissions
if	Conditionally perform a command
ipconfig	Displays TCP/IP information
label	Creates, changes, or deletes the volume label of a disk.
lodctr	Load PerfMon performance counters
logman	Manage Performance Monitor logs
logoff	Log a user off
makecab	Create .CAB files
md	Creates a directory.
mem	Display memory usage
mkdir	Create a directory
mklink	Create a symbolic link
mode	Configures a system device.
more	Displays output one screen at a time.
mountvol	Manage a volume mount point

Comand Prompt Commands

Command	Description
move	Moves one or more files from one directory to another directory.
msg	Send a message
msiexec	Microsoft Windows Installer
msinfo32	System Information
nbtstat	Display networking statistics (NetBIOS over TCP/IP)
net	Manage network resources
netsh	Configure Network Interfaces, Windows Firewall & Remote access
netplwiz	Advanced User Account Settings
netstat	Display networking statistics (TCP/IP)
nslookup	Name server lookup
openfiles	Displays files opened by remote users for a file share.
path	Display or set a search path for executable files
pathping	Trace route plus network latency and packet loss
pause	Suspends processing of a batch file and displays a message.
perfmon	Performance Monitor
ping	Test a network connection
popd	Return to a previous directory saved by PUSHHD
powercfg	Configure power settings
print	Print a text file
prompt	Change the command prompt
pushd	Save and then change the current directory
qprocess	Display processes
qwinsta	Display all sessions (TS/Remote Desktop)
qappsrv	List all servers (TS/Remote Desktop)
quser	Display user sessions (TS/Remote Desktop)
rasdial	Manage RAS connections
rd	Removes a directory.
recdisc	Create Recovery Disl
redir	VDM Redirector
recover	Recovers readable information from a bad or defective disk.
reg	Registry: Read, Set, Export, Delete keys and values
regedit	Import or export registry settings
regini	Remote Registry Editor
regsvr32	Register or unregister a DLL
rekeywiz	Encryption File System
relog	Create new performance logs from data in existing logs
rem	Record comments (remarks) in a batch file
ren or rename	Rename a file or files
repair-bde	BitLocker Drive Encryption Repair Tool
replace	Replace or update one file with another
reset session	Delete a Remote Desktop Session
rmdir	Removes a directory.
robocopy	Advanced utility to copy files and directory trees
route	Manipulate network routing tables

Comand Prompt Commands

Command	Description
runas	Execute a program under a different user account
rundll32	Run a DLL command (add/remove print connections)
sc	Displays or configures services (background processes).
schtasks	Schedules commands and programs to run on a computer.
set	Display, set, or remove session environment variables
setlocal	Control the visibility of environment variables
setspn	Edit Service Principal Names
setx	Set environment variables
sfc	System File Checker
share	List or edit a file share or print share
shift	Shift the position of batch file parameters
shutdown	Shutdown the computer
slmgr	Software Licensing Management (Vista/2008)
sort	Sorts input.
start	Start a program, command prompt, or batch file
subst	Associate a path with a drive letter
sxstrace	WinScs Tracing Utility
systeminfo	List system configuration
takeown	Take ownership of a file
taskkill	Stops a running process or application.
tasklist	List running applications and services
telnet	Communicate with another host using the TELNET protocol
time	Displays or sets the system time.
timeout	Delay processing of a batch file
title	Sets the window title for a CMD.EXE session.
tracert	Trace route to a remote host
tree	Graphical display of folder structure
tscon	Attaches a user session to a remote desktop session.
tsdiscon	Disconnect a Remote Desktop Session
tsshutdown	Remotely shut down or reboot a terminal server
type	Displays the contents of a text file.
typeperf	Write performance data to a log file
tzutil	Time Zone Utility
unlodctr	Unload counter names
ver	Display version information
verify	Verify that files have been saved
vol	Displays a disk volume label and serial number.
vssadmin	Volume Shadow Copy service administration tool
w32tm	Time Service
waitfor	Wait for or send a signal
wbadmin	Backup command line tool
wevtutil	Clear event logs, enable/disable/query logs
where	Locate and display files in a directory tree
whoami	Output the current UserName and domain

Comandnd Prompt Commands

Command	Description
winrm	Windows Remote Management
winrs	Windows Remote Shell
wmic	WMI Commands
wuauclt	Windows Update
xcopy	Copy files and folders

Executable Commands

dir *.exe

List Executable Commands

Command	Description
BdeHdCfg.exe	BitLocker drive preparation tool.
BdeUnlockWizard.exe	BitLocker drive encryption unlock.
BitLockerWizard.exe	BitLocker drive encryption lock.
Dism.exe	Deployment Image Servicing and Management tool
dpapimig.exe	Protected Content Migration
drwatson.exe	Dr. Watson
fltMC.exe	Filter driver for a volume.
hwrreg.exe	Verify dictionary file.
lpksetup.exe	Install display languages.
makecab.exe	Cabinet Maker - Lossless Data Compression Tool
manage-bde.exe	BitLocker Configuration Tool
MdSched.exe	Windows Memory Diagnostics
msdt.exe	Microsoft Support Diagnostic Tool
odbcad32.exe	ODBC Data Source Administrator
odbcconf.exe	ODBC Usage
OptionalFeatures.exe	Windows Features
osk.exe	On-Screen Keyboard
PkgMgr.exe	Windows Package Manager
PnPUnattend.exe	Unattended Online Driver Install
PnPUtil.exe	PnP Utility
PrintBrmUi.exe	Printer Migration
printui.exe	Printer User Interface
psr.exe	Problem Steps Recorder
quser.exe	Query Active Users on the system
qwinsta.exe	Query Remote Desktop Sessions
resmon.exe	Resource Monitor
RpcPing.exe	Remote Procedure Call
rstrui.exe	System Restore
sdbinst.exe	Deploy a customized database to other computers.
sdclt.exe	Backup and Restore
SecEdit.exe	Configure and analyze system security
setspn.exe	Modify domain or account name
setver.exe	Sets the version number that MS-DOS reports to a program.
setx.exe	Create or modify environment variables
shadow.exe	Monitor another Remote Desktop Services session.
shrpwb.exe	Create a shared folder wizard
sigverif.exe	File Signature Verification
slui.exe	Windows Activation
SndVol.exe	Sound Mixer
SoundRecorder.exe	Sound Recorder
sysedit.exe	System Configuration Editor
syskey.exe	Securing the Windows Account Database
SystemPropertiesAdvanced.exe	System Properties (Advanced tab)
SystemPropertiesComputerName.exe	System Properties (Computer Name tab)
SystemPropertiesDataExecutionPrevention.exe	Performance Options
SystemPropertiesHardware.exe	System Properties (Hardware tab)
SystemPropertiesPerformance.exe	Performance Options
SystemPropertiesProtection.exe	System Properties (System Protection)

Executable Commands

Command	Description
SystemPropertiesRemote.exe	System Properties (Remote tab)
tabcal.exe	Digitizer Calibration Tool
taskmgr.exe	Task Manager
tcmsetup.exe	Telephone Client Setup Help
TpmInit.exe	Initialize the TPM Security Hardware
UserAccountControlSettings.exe	User Account Control Settings
userinit.exe	Opens Libraries
Utilman.exe	Ease of Access Center
VaultCmd.exe	Creates, Display, and Deleted stored credentials.
verifier.exe	Driver Verfier Manager
vssadmin.exe	Volume Shadow Copy Service Administration
wecutil.exe	Windows Event Collector Utility
WFS.exe	Windows Fax and Scan
wiaacmgr.exe	Scan
WinSAT.exe	Windows System Assessment Tool
winver.exe	About Windows
write.exe	Wordpad
wscript.exe	Windows Script Host Settings
wuapp.exe	Windows Updates
wusa.exe	Windows Update Standalone Installer
xpsrchvw.exe	XPS Viewer
xwizard.exe	Extensible Wizard Host Process

Run Commands

Command	Windows Function
azman	Authorization Manager
calc	Calculator
certreq	Request certificate from a certification authority
certmgr	Certificates
charmap	Character Map
chkdsk	Check Disk Utility
cleanmgr	Disk Cleanup
cliconfg	SQL Server Client Network Utility
cmd	Command Prompt
colorcpl	Color Management
comexp	Component Services
compmgmt	Computer Management
compmgmtlauncher	Computer Management
computerdefaults	Set Program Access and Computer Defaults
control	Control Panel
control folders	Folders Properties
control fonts	Fonts list
control keyboard	Keyboard Properties
control schedtasks	Scheduled Tasks
credwiz	Credential Backup and Restore Wizard
cttune	ClearType Tuner
dccw	Display Color Calibration
dcomcnfg	Component Services
defrag	Disk Defragmenter
devicepairingwizard	Adding a new Device
devmgmt	Device Manager
dfrgui	Disk Defragmenter
dialer	Phone Dialer
diskmgmt	Disk Management
diskpart	Disk Partition Manager
displayswitch	Connect to a Projector
documents	Open Documents Folder
downloads	Open Downloads Folder
dpapimig	DPAPI Key Migration Wizard
dpiscaling	Display
dplaysvr.exe	Windows DirectPlay Helper
dvdmaker	Windows DVD Maker
dvdplay	DVD Player
dxdiag	DirectX Diagnostic Tool
eudcedit	Private Character Editor
eventvwr	Event Viewer
explorer	Windows Explorer
favorites	Open Favorites Folder
fontview <i>arial.ttf</i>	Font preview
fsmgmt	Shared Folders
fsquirt	Bluetooth Transfer Wizard

Run Commands

Command	Windows Function
fxscover	Fax Cover Page Editor
gettingstarted	Getting Started
gpedit	Local Group Policy Editor
hdwiz	Add Hardware Wizard
iexplore	Internet Explorer
iexpress	IExpress Wizard
ipconfig	IP Configuration
iscsicpl	iSCSI Initiator Configuration Tool
isoburn	Windows Disc Image Burning Tool
journal	Windows Journal
locationnotifications	Default Location
logoff	Log out
lpksetup	Language Pack Installer
lusrmgr	Local Users and Groups
magnify	Magnifier
mblctr	Windows Mobility Center
mdsched	Windows Memory Diagnostic Scheduler
migwiz	Windows Easy Transfer
mip	Math Input Panel
mmc	Microsoft Management Console
mobsync	Sync Center
mrt	Malicious Software Removal Tool
msconfig	System Configuration
msdt	Diagnostics Troubleshooting Wizard
msinfo32	System Information
mspaint	Paint
msra	Windows Remote Assistance
mstsc	Remote Desktop Connection
napclcfg	NAP Client Configuration
narrator	Narrator
netplwiz	Advanced User Accounts
netproj	Connect to a Network Projector
notepad	Notepad
odbcad32	ODBC Data Source Administrator
odbcconf	ODBC Driver Configuration
optionalfeatures	Windows Features
osk	On-Screen Keyboard
perfmon	Performance Monitor
pictures	Open Pictures Folder
powershell	Windows PowerShell
powershell_ise	Windows PowerShell ISE
PresentationSettings	Presentation Settings
printbrmui	Printer Migration
printmanagement	Print Management
printui	Printer User Interface
psr	Problem Steps Recorder

Run Commands

Command	Windows Function
rasphone	Remote Access Phonebook
recdisc	Windows Repair Disc
recent	Open Recent Folder
regedit	Registry Editor
rekeywiz	Encrypting File System Wizard
resmon	Resource Monitor
rsop	Resultant Set of Policy
rstrui	System Restore
rundll32	Edit Environment Variables
sdclt	Backup and Restore
secpol	Local Security Policy
services	Services
sfc	System File Checker Utility (Scan/Purge)
shrpwb	Share Creation Wizard
shutdown	Shut Down Windows
sigverif	File Signature Verification
slui	Windows Activation Client
sndvol	Volume Mixer
snippingtool	Snipping Tool
soundrecorder	Sound recorder
stikynot	Sticky Notes
sysedit	System Configuration Editor (32-bit only)
syskey	SAM Lock Tool
systempropertiesadvanced	System Properties (Advanced Tab)
systempropertiescomputername	System Properties (Computer Name Tab)
systempropertiesdataexecutionprevention	Data Execution Prevention
systempropertieshardware	System Properties (Hardware Tab)
systempropertiesperformance	Performance Options
systempropertiesprotection	System Properties (System Protection Tab)
systempropertiesremote	System Properties (Remote Tab)
tabcal	Digitizer Calibration Tool
tabtip*	Tablet PC Input Panel
taskmgr	Task Manager
taskschd	Task Scheduler
telnet	Telnet Client
tpm	Trusted Platform Module (TPM) Management
tpmInit	Trusted Platform Module Initialization Wizard
useraccountcontrolsettings	User Account Control Settings
utilman	Utility Manager
verifier	Driver Verifier Utility
videos	Open Videos folder
wab*	Windows Contacts
wabmig*	Import to Windows Contacts
wbemtest	WMI Tester
wf	Windows Firewall with Advanced Security
wfs	Windows Fax and Scan

Run Commands

Command	Windows Function
wiaacmgr	New Scan Wizard
windowsanytimeupgraderesults	Windows Anytime Upgrade Results
WindowsAnytimeUpgradeui	Windows Anytime Upgrade
winhlp32	Windows Help and Support
winver	Windows Version (About Windows)
wmimgmt	WMI Management
wmplayer	Windows Media Player
write	WordPad
wscript	Windows Script Host
wuapp	Windows Update
wusa	Windows Update Standalone Installer
xpsrchvw	XPS Viewer

Control Panel CLI Commands

`dir *.cpl`

List Items

Command	Description
<code>appwiz.cpl</code>	Programs and Features
<code>bthprops.cpl</code>	Bluetooth Devices
<code>desk.cpl</code>	Screen Resolution
<code>Firewall.cpl</code>	admintool
<code>hdwwiz.cpl</code>	Add Hardware
<code>inetcpl.cpl</code>	Internet Options
<code>intl.cpl</code>	Region and Language
<code>irprops.cpl</code>	Wireless Link
<code>joy.cpl</code>	Game Controllers
<code>main.cpl</code>	Mouse Properties
<code>mmsys.cpl</code>	Sound Properties
<code>ncpa.cpl</code>	Network Connections
<code>powercfg.cpl</code>	Power Options
<code>RTSnMg64.cpl</code>	Audio Manager
<code>sysdm.cpl</code>	System Properties
<code>TabletPC.cpl</code>	Pen and Touch Properties
<code>timedate.cpl</code>	Date and Time
<code>wscui.cpl</code>	Action Center

Control Panel Applets

control

Control Panel Applets

Command	Description
control /name Microsoft.AutoPlay	AutoPlay
control /name Microsoft.BackupAndRestore	Backup and Restore
control /name Microsoft.BiometricDevices	Biometric Devices
control /name Microsoft.BitLockerDriveEncryption	BitLocker Drive Encryption
control /name Microsoft.ColorManagement	Color Management
control /name Microsoft.CredentialManager	Credential Manager
control /name Microsoft.DefaultLocation	Default Location
control /name Microsoft.DefaultPrograms	Default Programs
control /name Microsoft.DesktopGadgets	Desktop Gadgets
control /name Microsoft.Display	Display
control /name Microsoft.EaseOfAccessCenter	Ease of Access Center
control /name Microsoft.FileHistory	File History
control /name Microsoft.GetPrograms	Get Programs
control /name Microsoft.GettingStarted	Getting Started
control /name Microsoft.HomeGroup	Home Group
control /name Microsoft.Language	Language
control /name Microsoft.LocationAndOtherSensors	Location and Other Sensors
control /name Microsoft.MobilityCenter	Windows Mobility Center
control /name Microsoft.NetworkAndSharingCenter	Network and Sharing Center
control /name Microsoft.NotificationAreaIcons	Notification Area Icons
control /name Microsoft.OfflineFiles	Offline Files
control /name Microsoft.ParentalControls	Parental Controls
control /name Microsoft.PerformanceInformationAndTools	Performance Information and Tools
control /name Microsoft.Recovery	Recovery
control /name Microsoft.RemoteAppAndDesktopConnections	RemoteApp and Desktop Connections
control /name Microsoft.SpeechRecognition	Speech Recognition
control /name Microsoft.StorageSpaces	Storage Spaces
control /name Microsoft.SyncCenter	Sync Center
control /name Microsoft.TabletPCSettings	Tablet PC Settings
control /name Microsoft.TaskbarAndStartMenu	Taskbar and Start Menu
control /name Microsoft.TextToSpeech	Text to Speech
control /name Microsoft.Troubleshooting	Troubleshooting
control /name Microsoft.UserAccounts	User Accounts
control /name Microsoft.WindowsDefender	Windows Defender
control /name Microsoft.WindowsUpdate	Windows Update
control desktop	Personalization
control folders	File Explorer Options
control fonts	Fonts
control printers	Printers and Faxes
control schedtasks	Task Scheduler
control admintools	Administrative Tools

Microsoft Management Console

dir *.msc

List Items

Command	Description
azman.msc	Authorization Manager
certlm.msc	Certificates - Local Computer
certmgr.msc	Certificates - Current User
comexp.msc	Component Services
compmgmt.msc	Computer Management
devmgmt.msc	Device Manager
diskmgmt.msc	Disk Management
eventvwr.msc	Event Viewer
fsmgmt.msc	Shared Folders
gpedit.msc	Local Group Policy Editor
lusrmgr.msc	Local Users and Groups
perfmon.msc	Performance Monitor
printmanagement.msc	Print Management
rsop.msc	Resultant Set of Policy
secpol.msc	Local Security Policy
services.msc	Services
taskschd.msc	Task Scheduler
tpm.msc	Trusted Platform Module Management
wff.msc	Windows Firewall with Advanced Security
wmimgmt.msc	Windows Management Instrumentation

PowerShell Commands

PowerShell is a much more powerful command-line shell and scripting language than the Command Prompt. It uses different commands, known as cmdlets. There are more than 250 cmdlets on a default installation of Windows 7.

Cmdlet	Description
Add-BitsFile	Adds one or more files to an existing Background Intelligent Transfer Service (BITS) transfer job.
Add-Computer	Adds the local computer to a domain or workgroup.
Add-Content	Adds content to the specified items, such as adding words to a file.
Add-History	Appends entries to the session history.
Add-Member	Adds a user-defined custom member to an instance of a Windows PowerShell object.
Add-PSSnapin	Adds one or more Windows PowerShell snap-ins to the current session.
Add-Type	Adds a Microsoft .NET Framework type (a class) to a Windows PowerShell session.
Checkpoint-Computer	Creates a system restore point on the local computer.
Clear-Content	Deletes the contents of an item, such as deleting the text from a file, but does not delete the item.
Clear-EventLog	Deletes all entries from specified event logs on the local or remote computers.
Clear-History	Deletes entries from the command history.
Clear-Item	Deletes the contents of an item but does not delete the item.
Clear-ItemProperty	Deletes the value of a property but does not delete the property.
Clear-Variable	Deletes the value of a variable.
Compare-Object	Compares two sets of objects.
Complete-BitsTransfer	Completes a BITS transfer job.
Complete-Transaction	Commits the active transaction.
Connect-WSMan	Connects to the Windows Remote Management (WinRM) service on a remote computer.
ConvertFrom-CSV	Converts object properties in comma-separated value (CSV) format into CSV versions of the original objects.
ConvertFrom-SecureString	Converts a secure string into an encrypted standard string.
ConvertFrom-StringData	Converts a string containing one or more key/value pairs to a hash table.
Convert-Path	Converts a path from a Windows PowerShell path to a PowerShell provider path.
ConvertTo-CSV	Converts .NET Framework objects into a series of CSV variable-length strings.
ConvertTo-Html	Converts .NET Framework objects into HTML that can be displayed in a Web browser.
ConvertTo-SecureString	Converts encrypted standard strings to secure strings. It can also convert plain text to secure strings. It is used with ConvertFrom-SecureString and Read-Host.
ConvertTo-XML	Creates an XML-based representation of an object.
Copy-Item	Copies an item from one location to another within a namespace.
Copy-ItemProperty	Copies a property and value from a specified location to another location.
Debug-Process	Debugs one or more processes running on the local computer.
Disable-ComputerRestore	Disables the System Restore feature on the specified file system drive.
Disable-PSBreakpoint	Disables breakpoints in the current console.
Disable-PSSessionConfiguration	Denies access to the session configurations on the local computer.
Disable-WSManCredSSP	Disables Credential Security Service Provider (CredSSP) authentication on a client computer.
Disconnect-WSMan	Disconnects the client from the WinRM service on a remote computer.
Enable-ComputerRestore	Enables the System Restore feature on the specified file system drive.
Enable-PSBreakpoint	Enables breakpoints in the current console.
Enable-PSRemoting	Configures the computer to receive remote commands.
Enable-PSSessionConfiguration	Enables session configurations on the local computer.
Enable-WSManCredSSP	Enables CredSSP authentication on a client computer.
Enter-PSSession	Starts an interactive session with a remote computer.
Exit-PSSession	Ends an interactive session with a remote computer.
Export-Alias	Exports information about currently defined aliases to a file.
Export-Clixml	Creates an XML-based representation of an object or objects and stores it in a file.
Export-Console	Exports the names of snap-ins in the current session to a console file.
Export-Counter	Takes PerformanceCounterSampleSet objects and exports them as counter log files.
Export-CSV	Converts .NET Framework objects into a series of CSV variable-length strings and saves the strings in a CSV file.
Export-FormatData	Saves formatting data from the current session in a formatting file.
Export-ModuleMember	Specifies the module members that are exported.
Export-PSSession	Imports commands from another session and saves them in a Windows PowerShell module.
ForEach-Object	Performs an operation against each of a set of input objects.
Format-Custom	Uses a customized view to format the output.
Format-List	Formats the output as a list of properties in which each property appears on a new line.
Format-Table	Formats the output as a table.
Format-Wide	Formats objects as a wide table that displays only one property of each object.
Get-Acl	Gets the security descriptor for a resource, such as a file or registry key.
Get-Alias	Gets the aliases for the current session.
Get-AppLockerFileInformation	Gets the AppLocker file information from a list of files or an event log.
Get-AppLockerPolicy	Gets the local, effective, or domain AppLocker policy.
Get-AuthenticodeSignature	Gets information about the Authenticode signature in a file.
Get-BitsTransfer	Retrieves the associated BitsJob object for an existing BITS transfer job.

PowerShell Commands

Cmdlet	Description
Get-ChildItem	Gets the items and child items in one or more specified locations.
Get-Command	Gets basic information about cmdlets and other elements of Windows PowerShell commands.
Get-ComputerRestorePoint	Gets the restore points on the local computer.
Get-Content	Gets the content of the item at the specified location.
Get-Counter	Gets performance counter data from local and remote computers.
Get-Credential	Gets a credential object based on a user name and password.
Get-Culture	Gets the current culture set in the operating system.
Get-Date	Gets the current date and time.
Get-Event	Gets the events in the event queue.
Get-EventLog	Gets the events in an event log, or a list of the event logs, on the local or remote computers.
Get-EventSubscriber	Gets the event subscribers in the current session.
Get-ExecutionPolicy	Gets the execution policies for the current session.
Get-FormatData	Gets the formatting data in the current session.
Get-Help	Displays information about Windows PowerShell commands and concepts.
Get-History	Gets a list of the commands entered during the current session.
Get-Host	Gets an object that represents the current host program. Also displays Windows PowerShell version and regional information by default.
Get-HotFix	Gets the hotfixes that are applied to the local and remote computers.
Get-Item	Gets the item at the specified location.
Get-ItemProperty	Gets the properties of a specified item.
Get-Job	Gets Windows PowerShell background jobs that are running in the current session.
Get-Location	Gets information about the current working location.
Get-Member	Gets the properties and methods of objects.
Get-Module	Gets the modules that are imported or that can be imported into the current session.
Get-PfxCertificate	Gets information about .pfx certificate files on the computer.
Get-Process	Gets the processes that are running on the local computer or a remote computer.
Get-PSBreakpoint	Gets the breakpoints that are set in the current session.
Get-PSCallStack	Displays the current call stack.
Get-PSDrive	Gets the Windows PowerShell drives in the current session.
Get-PSProvider	Gets information about the specified Windows PowerShell provider.
Get-PSSession	Gets the Windows PSSessions in the current session.
Get-PSSessionConfiguration	Gets the registered session configurations on the computer.
Get-PSSnapin	Gets the Windows PowerShell snap-ins on the computer.
Get-Random	Gets a random number or selects objects randomly from a collection.
Get-Service	Gets the services on a local or remote computer.
Get-TraceSource	Gets the Windows PowerShell components that are instrumented for tracing.
Get-Transaction	Gets the current (active) transaction.
Get-TroubleshootingPack	Gets information about a troubleshooting pack and can generate an answer file.
Get-UICulture	Gets the current user interface (UI) culture settings in the operating system.
Get-Unique	Returns the unique items from a sorted list.
Get-Variable	Gets the variables in the current console.
Get-WinEvent	Gets events from event logs and event tracing log files on local and remote computers.
Get-WmiObject	Gets instances of Windows Management Instrumentation (WMI) classes or information about the available classes.
Get-WSManCredSSP	Gets the CredSSP-related configuration for the client.
Get-WSManInstance	Displays management information for a resource instance specified by a Uniform Resource Identifier (URI).
Group-Object	Groups objects that contain the same value for specified properties.
Import-Alias	Imports an alias list from a file.
Import-Clixml	Imports a CLIXML file and creates corresponding objects within Windows PowerShell.
Import-Counter	Imports performance counter log files (.blg, .csv, .tsv) and creates the objects that represent each counter sample in the log.
Import-CSV	Converts object properties in a CSV file into CSV versions of the original objects.
Import-LocalizedData	Imports language-specific data into scripts and functions based on the UI culture that is selected for the operating system.
Import-Module	Adds modules to the current session.
Import-PSSession	Imports commands from another session into the current session.
Invoke-Command	Runs commands on local and remote computers.
Invoke-Expression	Runs commands or expressions on the local computer.
Invoke-History	Runs commands from the session history.
Invoke-Item	Performs the default action on the specified item.
Invoke-TroubleshootingPack	Executes a troubleshooting pack in interactive or unattended mode to fix a problem and then generates a results report.
Invoke-WmiMethod	Calls WMI methods.
Invoke-WSManAction	Invokes an action on the object that is specified by the Resource URI and by the selectors.

PowerShell Commands

Cmdlet	Description
Join-Path	Combines a path and a child path into a single path. The provider supplies the path delimiters.
Limit-EventLog	Sets the event log properties that limit the size of the event log and the age of its entries.
Measure-Command	Measures the time it takes to run script blocks and cmdlets.
Measure-Object	Calculates the numeric properties of objects and the characters, words, and lines in string objects, such as files of text.
Move-Item	Moves an item from one location to another.
Move-ItemProperty	Moves a property from one location to another.
New-Alias	Creates a new alias.
New-AppLockerPolicy	Creates a new AppLocker policy from a list of file information and other rule creation options.
New-Event	Creates a new event.
New-EventLog	Creates a new event log and a new event source on a local or remote computer.
New-Item	Creates a new item.
New-ItemProperty	Creates a new property for an item and sets its value. For example, you can use New-ItemProperty to create and change registry values and data, which are properties of a registry key.
New-Module	Creates a new dynamic module that exists only in memory.
New-ModuleManifest	Creates a new module manifest.
New-Object	Creates an instance of a Microsoft .NET Framework or Component Object Model (COM) object.
New-PSDrive	Creates a Windows PowerShell drive in the current session.
New-PSSession	Creates a persistent connection to a local or remote computer.
New-PSSessionOption	Creates an object that contains advanced options for a PSSession.
New-Service	Creates a new Windows service.
New-TimeSpan	Creates a TimeSpan object.
New-Variable	Creates a new variable.
New-WebServiceProxy	Creates a Web service proxy object that lets you use and manage the Web service in Windows PowerShell.
New-WSManInstance	Creates a new instance of a management resource.
New-WSManSessionOption	Creates a WS-Management session option hash table to use as input parameters to the following WS-Management cmdlets: Get-WSManInstance, Set-WSManInstance, Invoke-WSManAction, Connect-WSMan.
Out-Default	Sends the output to the default formatter and to the default output cmdlet.
Out-File	Sends output to a file.
Out-GridView	Sends output to an interactive table in a separate window.
Out-Host	Sends output to the command line.
Out-Null	Deletes output instead of sending it to the console.
Out-Printer	Sends output to a printer.
Out-String	Sends objects to the host as a series of strings.
Pop-Location	Changes the current location to the location most recently pushed onto the stack. You can pop the location from the default stack or from a stack that you create by using the Push-Location cmdlet.
Push-Location	Adds the current location to the top of a list of locations (a stack).
Read-Host	Reads a line of input from the console.
Receive-Job	Gets the results of the Windows PowerShell background jobs in the current session.
Register-EngineEvent	Subscribes to events that are generated by the Windows PowerShell engine and by the New-Event cmdlet.
Register-ObjectEvent	Subscribes to the events that are generated by a Microsoft .NET Framework object.
Register-PSSessionConfiguration	Creates and registers a new session configuration.
Register-WmiEvent	Subscribes to a WMI event.
Remove-BitsTransfer	Cancel a BITS transfer job.
Remove-Computer	Removes the local computer from a workgroup or domain.
Remove-Event	Deletes events from the event queue.
Remove-EventLog	Deletes an event log or unregisters an event source.
Remove-Item	Deletes the specified items.
Remove-ItemProperty	Deletes the property and its value from an item.
Remove-Job	Deletes a Windows PowerShell background job.
Remove-Module	Removes modules from the current session.
Remove-PSBreakpoint	Deletes breakpoints from the current console.
Remove-PSDrive	Removes a Windows PowerShell drive from its location.
Remove-PSSession	Closes one or more Windows PSSessions.
Remove-PSSnapin	Removes Windows PowerShell snap-ins from the current session.
Remove-Variable	Deletes a variable and its value.
Remove-WmiObject	Deletes an instance of an existing WMI class.
Remove-WSManInstance	Deletes a management resource instance.
Rename-Item	Renames an item in a Windows PowerShell provider namespace.
Rename-ItemProperty	Renames a property of an item.
Reset-ComputerMachinePassword	Resets the machine account password for the computer.
Resolve-Path	Resolves the wildcard characters in a path and displays the path contents.
Restart-Computer	Restarts (reboots) the operating system on local and remote computers.

PowerShell Commands

Cmdlet	Description
Restart-Service	Stops and then starts one or more services.
Restore-Computer	Starts a system restore on the local computer.
Resume-BitsTransfer	Resumes a BITS transfer job.
Resume-Service	Resumes one or more suspended (paused) services.
Select-Object	Selects specified properties of an object or set of objects. It can also select unique objects from an array of objects, or it can select a specified number of objects from the beginning or end of an array of objects.
Select-String	Finds text in strings and files.
Select-XML	Finds text in an XML string or document.
Send-MailMessage	Sends an e-mail message.
Set-Acl	Changes the security descriptor of a specified resource, such as a file or registry key.
Set-Alias	Creates or changes an alias (alternate name) for a cmdlet or other command element in the current Windows PSSession.
Set-AppLockerPolicy	Sets the AppLocker policy for the specified Group Policy object (GPO).
Set-AuthenticodeSignature	Adds an Authenticode signature to a Windows PowerShell script or other file.
Set-BitsTransfer	Modifies the properties of an existing BITS transfer job.
Set-Content	Writes or replaces the content in an item with new content.
Set-Date	Changes the system time on the computer to a time that you specify.
Set-ExecutionPolicy	Changes the user preference for the Windows PowerShell execution policy.
Set-Item	Changes the value of an item to the value specified in the command.
Set-ItemProperty	Creates or changes the value of a property of an item.
Set-Location	Sets the current working location to a specified location.
Set-PSBreakpoint	Sets a breakpoint on a line, command, or variable.
Set-PSDebug	Turns script debugging features on and off, sets the trace level, and toggles StrictMode.
Set-PSSessionConfiguration	Changes the properties of a registered session configuration.
Set-Service	Starts, stops, and suspends a service and changes its properties.
Set-StrictMode	Establishes and enforces coding rules in expressions, scripts, and script blocks.
Set-TraceSource	Configures, starts, and stops a trace of Windows PowerShell components.
Set-Variable	Sets the value of a variable. Creates the variable if one with the requested name does not exist.
Set-WmiInstance	Creates or updates an instance of an existing WMI class.
Set-WSManInstance	Modifies the management information that is related to a resource.
Set-WSManQuickConfig	Configures the local computer for remote management.
Show-EventLog	Displays the event logs of the local or a remote computer in Event Viewer.
Sort-Object	Sorts objects by property values.
Split-Path	Returns the specified part of a path.
Start-BitsTransfer	Creates a new BITS transfer job.
Start-Job	Starts a Windows PowerShell background job.
Start-Process	Starts one or more processes on the local computer.
Start-Service	Starts one or more stopped services.
Start-Sleep	Suspends the activity in a script or session for the specified period of time.
Start-Transaction	Starts a transaction.
Start-Transcript	Creates a record of all or part of a Windows PSSession in a text file.
Stop-Computer	Stops (shuts down) local and remote computers.
Stop-Job	Stops a Windows PowerShell background job.
Stop-Process	Stops one or more running processes.
Stop-Service	Stops one or more running services.
Stop-Transcript	Stops a transcript.
Suspend-BitsTransfer	Suspends a BITS transfer job.
Suspend-Service	Suspends (pauses) one or more running services.
Tee-Object	Saves command output in a file or variable and displays it in the console.
Test-AppLockerPolicy	Tests whether the input files are allowed to run for a given user based on the specified AppLocker policy.
Test-ComputerSecureChannel	Tests and repairs the secure channel between the local computer and its domain.
Test-Connection	Sends Internet Control Message Protocol (ICMP) echo request packets (pings) to one or more computers.
Test-ModuleManifest	Verifies that a module manifest file accurately describes the contents of a module.
Test-Path	Determines whether all elements of a path exist.
Test-WSMan	Tests whether the WinRM service is running on a local or remote computer.
Trace-Command	Configures and starts a trace of the specified expression or command.
Undo-Transaction	Rolls back the active transaction.
Unregister-Event	Cancel an event subscription.
Unregister-PSSessionConfiguration	Deletes registered session configurations from the computer.
Update-FormatData	Updates the formatting data in the current session.
Update-List	Adds items to and removes items from a property value that contains a collection of objects.
Update-TypeData	Updates the current extended type configuration by reloading the *.types.ps1xml files into memory.
Use-Transaction	Adds the script block to the active transaction.

PowerShell Commands

Cmdlet	Description
Wait-Event	Waits until a particular event is raised before continuing to run.
Wait-Job	Suppresses the command prompt until one or all of the Windows PowerShell background jobs running in the session are complete.
Wait-Process	Waits for the processes to be stopped before accepting more input.
Where-Object	Creates a filter that controls which objects will be passed along a command pipeline.
Write-Debug	Writes a debug message to the console.
Write-Error	Writes an object to the error stream.
Write-EventLog	Writes an event to an event log.
Write-Host	Writes customized output to a host.
Write-Output	Sends the specified objects to the next command in the pipeline. If the command is the last command in the pipeline, the objects are displayed in the console.
Write-Progress	Displays a progress bar within a Windows PowerShell command window.
Write-Verbose	Writes text to the verbose message stream.
Write-Warning	Writes a warning message.