

Windows Environment Variables

Environment variables are mainly used within batch files, they can be created, modified and deleted for a session using the [SET](#) command. To make permanent changes, use [SETX](#)

Variables can be displayed using either [SET](#) or [ECHO](#).

Variables have a percent sign on both sides: %ThisIsAVariable%

The variable name can include spaces, punctuation and mixed case: %_Another Ex.ample%

(This is unlike [Parameter variables](#) which only have one % sign and are always one character long: %A)

In a batch file the default behaviour is to read and expand variables **one line** at a time, for example:

```
SET /P _price="Enter the price: "
ECHO %_price%
```

The above will work, but the version below will fail because %_price% will remain undefined until processing reaches the next line, this behaviour can be changed using [SETLOCAL EnableDelayedExpansion](#)

```
SET /P _price="Enter the price: " & ECHO %_price%
ECHO That didnt work!
```

Standard (built-in) Environment Variables

Variable	Default value: Windows XP	Default value: Windows 7/2008
%ALLUSERSPROFILE%	C:\Documents and Settings\All Users	C:\ProgramData
%APPDATA%	C:\Documents and Settings\{username}\Application Data	C:\Users\{username}\AppData\Roaming
%CommonProgramFiles%	C:\Program Files\Common Files	C:\Program Files\Common Files
%COMMONPROGRAMFILES(x86)%	C:\Program Files (x86)\Common Files	C:\Program Files (x86)\Common Files
%COMPUTERNAME%	{computename}	{computename}
%COMSPEC%	C:\Windows\System32\cmd.exe	C:\Windows\System32\cmd.exe
%HOMEDRIVE%	C:	C:
%HOMEPATH%	\Documents and Settings\{username}	\Users\{username}
%LOCALAPPDATA%	N/A (but can be manually added LOCALAPPDATA=%USERPROFILE%\Local Settings\Application Data)	C:\Users\{username}\AppData\Local
%LOGONSERVER%	\\{domain_logon_server}	\\{domain_logon_server}
%PATH%	C:\Windows\System32;C:\Windows;C:\Windows\System32\Wbem; {plus program paths}	C:\Windows\System32;C:\Windows;C:\Windows\System32\Wbem; {plus program paths}
%PATHEXT%	.COM; .EXE; .BAT; .CMD; .VBS; .VBE; .JS; .WSF; .WSH;	.COM; .EXE; .BAT; .CMD; .VBS; .VBE; .JS; .WSF; .WSH;
%ProgramData%	N/A	C:\ProgramData
%ProgramFiles%	C:\Program Files	C:\Program Files
%ProgramFiles(x86)% ¹	C:\Program Files (x86)	C:\Program Files (x86)
%PROMPT%	Code for current command prompt format, usually \$P\$G C:>	Code for current command prompt format, usually C:>
%PSModulePath%	N/A	%SystemRoot%\system32\WindowsPowerShell\
%Public%	N/A	C:\Users\Public
%SYSTEMDRIVE%	C:	C:
%SYSTEMROOT%	C:\Windows	C:\Windows
%TEMP% and %TMP%	C:\Documents and Settings\{username}\Local Settings\Temp	C:\Users\{username}\AppData\Local\Temp
%USERDOMAIN%	{userdomain}	{userdomain}
%USERNAME%	{username}	{username}
%USERPROFILE%	%SystemDrive%\Documents and Settings\{username}	%SystemDrive%\Users\{username}
%WINDIR%	C:\Windows	C:\Windows

¹ Only on 64 bit systems, is used to store 32 bit programs.

By default, files stored under **Local Settings** do not roam with a roaming profile.

Environment variables are stored in the registry:

User Variables: HKEY_CURRENT_USER\Environment

System Variables: HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\Environment

Dynamic variables

There are also 6 dynamic environment variables, these are computed each time the variable is expanded.
n.b. you should not attempt to directly SET a dynamic variable.

%CD% The current directory (string).

%DATE% The current date using same region specific format as [DATE](#).

%ERRORLEVEL% The current ERRORLEVEL value, automatically set when a program exits.

%TIME% The current time using same format as [TIME](#).

%RANDOM% A random decimal number between 0 and 32767.

%CMDEXTVERSION% The current Command Processor Extensions version number.

%CMDCMDLINE% The original command line that invoked the [Command Processor](#).

Undocumented Dynamic variables (read only)

%__CD__% The current directory, terminated with a trailing backslash.

%=C: % The current directory of the C: drive.

%=D: % The current directory of the D: drive if drive D: has been accessed in the current CMD session.

%=ExitCode% The hex value of the last return code set by [EXIT /B](#)

%=ExitCodeAscii% The [ASCII](#) value of the last return code set by EXIT /B if greater than 32.

Pass variables between batch scripts

There are several ways to pass values between batch files, or between a batch file and the command line, see the [CALL](#) and [SETLOCAL](#) pages for full details.

"Men may be convinced, but they cannot be pleased against their will. But though taste is obstinate, it is very variable, and time often prevails when arguments have failed" ~ Samuel Johnson

Related:

[Detecting 32 vs 64 bit Windows](#)

[CALL](#) - Evaluate environment variables

[SET](#) - View environment variables, set local variables

[SETX](#) - Set environment variables

[Q100843](#) - The four types of environment variable

[Q286705](#) - Set compatibility variables

[Q242557](#) - Registry Settings for Folder Redirection

[StackOverflow](#) - Storing a Newline in a variable

[Managing Roaming User Data Deployment Guide](#) - Microsoft.com (Word Doc)

Accessoires Informatique

www.Avito.ma

Déposez votre Annonce sur
Avito.ma C'est facile, rapide et
Gratuit !



AdChoices 

