MSIEXEC Command Line Options Cheat Sheet

by Ben Kellermann (bzowk) via cheatography.com/22753/cs/4737/

General Syntax

msiexec /Option <Required Parameter> [Optional Parameter]

Install Options

/i	Installs a Product
/a	Administrative install - Installs a product on the network
/t	Use Transform List (.MST)
/x	Uninstalls the product

Display Options

/quiet	Quiet mode, no user interaction
/passive	Unattended mode - progress bar only
/qn	No UI
/qb	Basic UI
/qr	Reduced UI
/qf	Full UI (default)
/help	Help information

Restart Options

/norestart	Do not restart after the installation is complete
/promptrestart	Prompts the user for restart if necessary
/forcerestart	Always restart the computer after installation

Repair Options

Syntax	/f[p|e|c|m|s|o|d|a|u|v] <Product.msi | ProductCode>
/fp	only if file is missing
/fo	if file is missing or an older version is installed *(default)*
/fe	if file is missing or an equal or older version is installed
/fd	if file is missing or a different version is installed
/fc	if file is missing or checksum does not match the calculated value

Repair Options (cont)

/fa	forces all files to be reinstalled
/fu	all required user-specific registry entries *(default)*

Logging Options

Syntax	/l[i|w|e|a|r|u|c|m|o|p|v|x|+|!|*] <LogFile>
/li	Status messages
/lw	Nonfatal warnings
/le	All error messages
/la	Start up of actions
/lr	Action-specific records
/lu	User requests
/lc	Initial UI parameters
/lm	Out-of-memory or fatal exit information
/lo	Out-of-disk-space messages
/lp	Terminal properties
/lv	Verbose output
/lx	Extra debugging information
/l+	Append to existing log file
/l!	Flush each line to the log
/l*	Log all information, except for v and x options

Multiple uses of the above switches may be combined behind a single "/l" (/lawe)

Update Options

Syntax	/update <Update1.msp>[;Update2.msp]
/p or /update	Applies update(s)
/uninstall	Remove update(s) for a product

Misc Options

/j	Advertises a product
/m	Generates an SMS status .mif file
/? or /h	Displays help
/z	Calls the system function DllUnRegisterServer to unregister modules passed in on the command line
/c	Advertises a new instance of the product
/n	Specifies a particular instance of the product

Examples

Basic Installation	msiexec /i A:\Example.msi
Installation & Apply Patch	msiexec /i A:\Example.msi PATCH=msipatch.msp
Installation Files	msiexec /a A:\Example.msi
Installation with Transform	msiexec /i A:\Example.msi /T transform.mst
Installation With Logging	msiexec /i A:\Example.msi /LIME logfile.txt
100% Silent Installation	msiexec /i A:\Example.msi /qn
Installation Only Showing Progress	msiexec /i A:\Example.msi /qb
Uninstall Using Installer File	msiexec /x A:\Example.msi
Uninstall Using Product Code	msiexec /x {*Installed App's Product Code*}
Install & Suppress Restart	msiexec /i A:\Example.msi /norestart
Install & Force Restart	msiexec /i A:\Example.msi /forcerestart

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Correct Syntax Examples

msiexec /i msisample.msi /T transform.mst /qn

msiexec /i A:\Example.msi PATCH=msipatch.msp;msipatch2.msp /qb

msiexec /x {*Installed App Product Code*} /qn

msiexec /i msisample.msi PATCH=msipatch.msp /qb

msiexec /JM msisample.msi /T transform.mst /LIME logfile.txt

More Information

For more information or details for the above items, run "msiexec /?" or visit https://msdn.microsoft.com/en-us/library/aa367988(v=vs.85).aspx

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