

Common Conditions

Sequencing	Condition
First-time installation	NOT Installed
Uninstallation	REMOVE~="ALL"
AutoRepair	REINSTALLMODE=pocmus
Uninstallation from Major Upgrade	UPGRADINGPRODUCTCODE
Minor Upgrade via Setup.exe	IS_MINOR_UPGRADE
Minor Upgrade via command line	REINSTALL~="ALL" AND REINSTALLMODE><"v"
Patch	PATCH
Patch Uninstallation	MSIPATCHREMOVE
Modify	Installed AND NOT REINSTALL AND NOT REMOVE~="ALL"
Repair from ARP	REINSTALL~="ALL" AND REINSTALLMODE="ocmusv"
Repair from right-click of MSI	REINSTALL~="ALL" AND REINSTALLMODE="pecms"
Repair from Maintenance dialog	REINSTALL AND REINSTALLMODE="omus"
Maintenance	Installed And Not RESUME And Not Preselected And Not PATCH
64 bit OS	VersionNT64
32 bit OS	NOT VersionNT64
Running from Admin Image	IsAdminPackage
Silent Install (UI Sequence not run)	UILevel <= 3
Install running from UNC Path	SourceDir >< "\\\"
Windows XP	VersionNT = 501
Windows XP (64-bit)	VersionNT = 502 AND MsiNTProductType = 1
Windows Server 2003	VersionNT = 502 AND MsiNTProductType = 3
Windows 7	VersionNT = 601 AND MsiNTProductType = 1
Windows Server 2008 R2	VersionNT = 601 AND MsiNTProductType = 3
Windows 8/Server 2012	VersionNT = 602
Feature installing or installed	&FeatName = 3 OR (&FeatName <> 2 AND !FeatName=3)
Component Reinstalling	?ComponentName=\$ComponentName
At least 2 GB of RAM	PhysicalMemory >= 2048
MSI running with elevated privileges	MsiRunningElevated
Core OS Language is English	SystemLanguageID = 1033

Conditional Statement Syntax

Prefix/State Operators

\$ComponentName component action state
 ?ComponentName component install state
 &FeatureName feature action state
 !FeatureName feature install state
 %EnvVar environment variable value

State Values

INSTALLSTATE_UNKNOWN = -1
 INSTALLSTATE_ADVERTISED = 1
 INSTALLSTATE_ABSENT = 2
 INSTALLSTATE_LOCAL = 3
 INSTALLSTATE_SOURCE = 4

Substring Operators

>< contains
 << starts with
 >> ends with

Bitwise Operators

>< bitwise contains (any bits in common)
 << bitwise starts with (high 16 bits)
 >> bitwise ends with (low 16 bits)

Logical Operators

Not inverts state of following item
 And TRUE if both terms are TRUE
 Or TRUE if either or both terms are TRUE
 Xor TRUE if either but not both are TRUE
 Eqv TRUE if both are TRUE or both are FALSE
 Imp TRUE if left term is FALSE or right is TRUE

Comparison Operators

= equals
 <> not equals
 > greater than
 >= greater than or equals
 < less than
 <= less than or equals
 ~= case-insensitive equals