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## Values

<b>Values / range</b>	Any file extension
<b>Default value</b>	<code>sys;sys2;swtag;cmptag;lax;exe;</code>
<b>Example value</b>	<code>bat</code>

## Command line

<b>Tool</b>	Inventory agent (ndtrack)
<b>Example</b>	<code>-o IncludeExtension=bat</code>

## Registry

<b>Installed by</b>	Code internals, or manual configuration
<b>User preference</b>	<code>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Tracker\CurrentVersion</code>
<b>Computer preference</b>	<code>[Registry]\ManageSoft\Tracker\CurrentVersion</code>

# IncludeFile

Command line | Registry

`IncludeFile` searches for the specific file to report in inventory; but keep in mind that the search is constrained to folders that are specified as included in inventory. This preference can accept multiple values, separated with commas or semi-colons.



**Note** • Inclusions and exclusions can cover folders (and optionally their sub-folders), file name extensions, specific file names, and specific MD5 digest values. To resolve conflicting specifications, the specifications of folders provides a data set to which the following specifications are applied as filters, prioritized from lowest to highest as:

- File extension
- File name

- MD5 value.

For example, if file extension `exe` is included, filename `xcopy.exe` excluded, and MD5 value `123456...` (the MD5 for `xcopy.exe`) is included, then the inventory agent includes all files with extension `exe` except for all versions of `xcopy.exe` that do not have an MD5 value `123456...`

## Values

<b>Values / range</b>	Valid file
<b>Default value</b>	(No default.)
<b>Example value</b>	<code>xcopy.exe</code>

## Command line

<b>Tool</b>	Inventory agent (ndtrack)
<b>Example</b>	<code>-o IncludeFile=myfile.txt</code>

## Registry

<b>Installed by</b>	Code internals, or manual configuration
<b>User preference</b>	<code>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Tracker\CurrentVersion</code>
<b>Computer preference</b>	<code>[Registry]\ManageSoft\Tracker\CurrentVersion</code>

# IncludeMachineInventory

Command line | Registry

`IncludeMachineInventory` If `True`, FlexNet inventory agent performs a computer inventory including hardware and all user packages.

## Values

<b>Values / range</b>	Boolean ( <code>True</code> or <code>False</code> ).
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<b>Default value</b>	True if running as <code>LocalSystem</code> or running a machine inventory on the command line.
<b>Example value</b>	<code>False</code>

### Command line

<b>Tool</b>	Inventory agent ( <code>ndtrack</code> )
<b>Example</b>	<code>-o IncludeMachineInventory=False</code>

### Registry

<b>Installed by</b>	Code internals, or manual configuration
<b>User preference</b>	<code>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Tracker\CurrentVersion</code>
<b>Computer preference</b>	<code>[Registry]\ManageSoft\Tracker\CurrentVersion</code>

## IncludeMD5

Command line | Registry

`IncludeMD5` includes in the inventory report any files having the specific MD5 digest. This filter is applied to files within a folder included in inventory. This preference can accept multiple values, separated with commas or semicolons.



**Note** • Inclusions and exclusions can cover folders (and optionally their sub-folders), file name extensions, specific file names, and specific MD5 digest values. To resolve conflicting specifications, the specifications of folders provides a data set to which the following specifications are applied as filters, prioritized from lowest to highest as:

- File extension
- File name
- MD5 value.

For example, if file extension `exe` is included, filename `xcopy.exe` excluded, and MD5 value `123456...` (the MD5 for `xcopy.exe`) is included, then the inventory agent includes all files with extension `exe` except for all versions of `xcopy.exe` that do not have an MD5 value `123456...`

## Values

<b>Values / range</b>	
<b>Default value</b>	(No default.)
<b>Example value</b>	7d9d2440656fdb3645f6734465678c60

## Command line

<b>Tool</b>	Inventory agent (ndtrack)
<b>Example</b>	-o IncludeMD5=7d9d2440656fdb3645f6734465678c60

## Registry

<b>Installed by</b>	Code internals, or manual configuration
<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Tracker\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Tracker\CurrentVersion

# IncludeRegistryKey

Command line | Registry

Set `IncludeRegistryKey` to instruct the FlexNet inventory agent to return the contents of the specified registry keys or values.

In order to collect *all* values under a specified key, the key path specified must end with a trailing backslash. If the path specified corresponds to a key (rather than a registry value) but does not end with a trailing backslash, only the (Default) value (if it is set) for the specified key will be collected.



**Note** • *Default values in the registry are typically not set.*

For example:

- `HKLM\SOFTWARE\ManageSoft Corp\ManageSoft\` will track all values under the specified key (because it has a trailing backslash)
- `HKLM\SOFTWARE\ManageSoft Corp\ManageSoft` will only track the (Default) values under the specified key (where they exist).

When setting this preference, you can use:

- The \* wildcard to replace a key or value (including multiple times for different key elements in a single path)
- The abbreviations HKLM, HKCU, HKCR, HKU, HKCC. These will be automatically expanded to appropriate values.

## Values

<b>Values / range</b>	Valid registry key or value
<b>Default value</b>	If no value is specified, the FlexNet inventory agent uses  <pre>HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows \CurrentVersion \Uninstall\</pre>
<b>Example values</b>	Track all registry keys and values under HKEY_LOCAL_MACHINE\SOFTWARE:  <pre>HKLM\SOFTWARE\*\</pre> Track all values (only) under HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft:  <pre>HKLM\SOFTWARE\Microsoft\*</pre> Use multiple wildcards:  <pre>HKLM\SOFTWARE\*\CurrentVersion\*\*</pre>

## Command line

<b>Tool</b>	Inventory agent (ndtrack)
<b>Example</b>	<pre>-o IncludeRegistryKey="HKEY_LOCAL_MACHINE\ SOFTWARE\Microsoft\Windows\CurrentVersion\ App Paths\"</pre>

## Registry

<b>Installed by</b>	Code internals, or manual configuration
<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Tracker\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Tracker\CurrentVersion

# IncludeUserInventory

Command line | Registry

IncludeUserInventory, ff True, causes collection of user inventory.

## Values

<b>Values / range</b>	Boolean (True or False).
<b>Default value</b>	TRUE if running as user or running a user inventory (-t User on the command line)
<b>Example values</b>	False

## Command line

<b>Tool</b>	Inventory agent (ndtrack)
<b>Example</b>	-o IncludeUserInventory=False

## Registry

<b>Installed by</b>	Manual configuration
<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Tracker\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Tracker\CurrentVersion

# InstallDefaultSchedule

Command line | Registry

When `InstallDefaultSchedule` is `True`, the policy agent invokes the installation agent to install the package specified by `DefaultSchedulePath` before applying policy. Used by automated processes for adoption of the managed device.

## Values

<b>Values / range</b>	Boolean (True or False)
<b>Default value</b>	False
<b>Example values</b>	True

## Command line

<b>Tool</b>	Policy agent (mgspolicy)
<b>Example</b>	<code>-o InstallDefaultSchedule=True</code>

## Registry

<b>Installed by</b>	Installation of FlexNet inventory agent
<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Policy Client\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Policy Client\CurrentVersion

# InstallProfile

Command line | Registry

`InstallProfile` is set to `Public` if the package is to be installed for All Users, or `Private` if it's to be installed for an individual user.

## Values

<b>Values / range</b>	Public, Private
<b>Default value</b>	(No default.)
<b>Example values</b>	Public

## Command line

<b>Tool</b>	Installation agent (ndlaunch)
<b>Example</b>	<code>-o InstallProfile=Public</code>

## Registry

<b>Installed by</b>	Code internals, or manual configuration
<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Launcher\CurrentVersion

<b>Computer preference</b>	[Registry]\ManageSoft\Launcher\CurrentVersion
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## InventoryFile

Command line | Registry

`InventoryFile` identifies the name of a local copy of the inventory file.

The name may consist of Windows properties that can be expanded to identify a value. For example, the default value `$(UserName) on $(MachineId).ndi` expands so that the name contains the account and machine ID related to the inventory run.

### Values

<b>Values / range</b>	*.ndi
<b>Default value</b>	(UserName) on \$(MachineId).ndi
<b>Example values</b>	myComputer.ndi

### Command line

<b>Tool</b>	Inventory agent (ndtrack)
<b>Example</b>	-o InventoryFile=myfile.ndi

### Registry

<b>Installed by</b>	Code internals, or manual configuration
<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Tracker\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Tracker\CurrentVersion

## InventoryScriptsDir

Command line | Registry

`InventoryScriptsDir` gives the location of scripts to be run immediately before inventory data is uploaded through the inventory beacon. All scripts that exist in this location are run.

## Values

<b>Values / range</b>	String identifying an existing directory
<b>Default value</b>	<code>\$(CommonAppDataFolder)\ManageSoft Corp\ManageSoft</code>
<b>Example values</b>	<code>C:\IT-Admin\</code>

## Command line

<b>Tool</b>	Inventory agent (ndtrack)
<b>Example</b>	<code>-o InventoryScriptDir=C:\data</code>

## Registry

<b>Installed by</b>	Installation of FlexNet inventory agent
<b>User preference</b>	Not available
<b>Computer preference</b>	<code>[Registry]\ManageSoft\Tracker\CurrentVersion</code>

# InventoryType

Command line | Registry

`InventoryType` identifies the inventory type, either machine-based or user-based.

## Values

<b>Values / range</b>	String literals <code>User</code> or <code>Machine</code> .
<b>Default value</b>	<code>User</code> unless the account executing <code>ndtrack</code> is <code>LocalSystem</code> , in which case the default switches to <code>Machine</code> .
<b>Example values</b>	<code>Machine</code>

## Command line

<b>Tool</b>	Inventory agent (ndtrack)
<b>Example</b>	<code>-o InventoryType=User</code>

## Registry


<b>Installed by</b>	Code internals, or manual configuration
<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Tracker\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Tracker\CurrentVersion

# LauncherCommandLine

Command line | Registry

LauncherCommandLine specifies ndlaunch parameters to pass to the installation agent when applying policy information.

## Values

<b>Values / range</b>	Valid installation agent command line parameters (see <i>ndlaunch Command Line</i> on page 37).
<b>Default value</b>	(No default.)
<b>Example values</b>	<pre>-o UserInteractionLevel=Quiet</pre>  <p><b>Note</b> • The <code>-o</code> is required as part of the value to be appended to the command line of <code>ndlaunch</code>.</p>

## Command line

<b>Tool</b>	Policy agent (mgspolicy)
<b>Example</b>	<code>-o LauncherCommandLine="-o UserInteractionLevel=Quiet"</code>



## Registry

<b>Installed by</b>	Code internals, or manual configuration
<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Policy Client\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Policy Client\CurrentVersion

# LogFile (installation agent)

Command line | Registry

LogFile gives the location of the log file (on the computer device where the FlexNet inventory agent is executing) when logging is enabled for `ndlaunch` (installation agent). All actions performed by `ndlaunch` are logged to this file. If you wish to use a log file located in a folder other than the default installation log folder, specify a full pathname.

## Values

<b>Values / range</b>	Valid log file name, including local and UNC network files.
<b>Default value</b>	<code>\$(TempDirectory)\ManageSoft\installation.log</code>
<b>Example values</b>	<code>C:\temp\MyInstallerLog.log</code>

## Command line

<b>Tool</b>	Policy agent ( <code>mgspolicy</code> )
<b>Example</b>	<code>-o Logfile=C:\temp\mylauncherlogfile.log</code>

## Registry

<b>Installed by</b>	Installation of FlexNet inventory agent (computer preference)
<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Launcher\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Launcher\CurrentVersion

## LogFile (inventory agent)

Command line | Registry

`LogFile` gives the location of the log file (on the computer device where the FlexNet inventory agent is executing) when logging is enabled for `ndtrack`.

### Values

<b>Values / range</b>	Valid log file name.
<b>Default value</b>	<code>\$(TempDirectory)\ManageSoft\tracker.log</code>
<b>Example values</b>	<code>C:\temp\inventory.log</code>

### Command line

<b>Tool</b>	Inventory agent ( <code>ndtrack</code> )
<b>Example</b>	<code>-o LogFile=Inventory.log</code>

### Registry

<b>Installed by</b>	Installation of FlexNet inventory agent
<b>User preference</b>	<code>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Tracker\CurrentVersion</code>
<b>Computer preference</b>	<code>[Registry]\ManageSoft\Tracker\CurrentVersion</code>

## LogFile (policy agent)

Command line | Registry

`LogFile` gives the location of the log file (on the computer device where the FlexNet inventory agent is executing) when logging is enabled for `mgspolicy` (policy agent).

## Values

<b>Values / range</b>	Valid log file name, including local and UNC network files.
<b>Default value</b>	<code>\$(TempDirectory)\ManageSoft\policy.log</code>
<b>Example values</b>	<code>C:\temp\policy.log</code>

## Command line

<b>Tool</b>	Policy agent (mgspolicy)
<b>Example</b>	<code>-o LogFile=policy.log</code>

## Registry

<b>Installed by</b>	Installation of FlexNet inventory agent (computer preference)
<b>User preference</b>	<code>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Policy Client\CurrentVersion</code>
<b>Computer preference</b>	<code>[Registry]\ManageSoft\Policy Client\CurrentVersion</code>

# LogFileOld (installation agent)

Command line | Registry

When the main installation agent log file (defined in `LogFile (installation agent)`) reaches its maximum size (defined in `LogFileSize (installation agent)`), the file is renamed to the value in `LogFileOld`. This overwrites any existing `LogFileOld` file. A new log file is created, using the name defined in `LogFile (installation agent)`. This allows you to retain additional log information.

## Values

<b>Values / range</b>	Valid file name for local or UNC network files
<b>Default value</b>	<code>\$(TempDirectory)\ManageSoft\launcher.old.log</code>
<b>Example values</b>	<code>\$(TempDirectory)\installationold.log</code>

## Command line

<b>Tool</b>	Policy agent (mgspolicy)
<b>Example</b>	<code>-o LogFileOld=\$(TempDirectory)\installationold.log</code>

## Registry

<b>Installed by</b>	Installation of inventory beacon (computer preference)
<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Launcher\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Launcher\CurrentVersion

# LogFileOld (policy agent)

Command line | Registry

When the main policy merging log file (defined in `LogFile (policy agent)`) reaches a particular size (defined in `LogFileSize (policy agent)`), the file is renamed to the value in `LogFileOld`. This overwrites any existing `LogFileOld` file. A new log file is created. This allows you to retain additional log information.

## Values

<b>Values / range</b>	Valid file name for local or UNC network files
<b>Default value</b>	<code>\$(TempDirectory)\ManageSoft\policy.old.log</code>
<b>Example values</b>	<code>\$(TempDirectory)\mgspolicyold.log</code>

## Command line

<b>Tool</b>	Policy agent (mgspolicy)
<b>Example</b>	<code>-o LogFileOld=\$(TempDirectory)\mgspolicyold.log</code>

## Registry

<b>Installed by</b>	Code internals, or manual configuration
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<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Policy Client\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Policy Client\CurrentVersion

## LogFileSize (installation agent)

Command line | Registry

When the main installation agent log file (defined in `LogFile (installation agent)`) reaches the maximum size defined here in `LogFileSize (installation agent)`, the file is renamed (to the value in `LogFileOld (installation agent)`). This overwrites any existing `LogFileOld (installation agent)` file. A new log file is created, with the name defined in `LogFile (installation agent)`. This allows you to retain additional log information.

The size must be expressed as the number of bytes of the maximum allowed log size. If this entry is empty or set to zero, there is no log size limit and the size of the log file continues to grow.

### Values

<b>Values / range</b>	Number (number of bytes)
<b>Default value</b>	4000000
<b>Example values</b>	3126000 (3 Mb)

### Command line

<b>Tool</b>	Installation agent (ndlaunch)
<b>Example</b>	-o LogFileSize=1024000

### Registry

<b>Installed by</b>	Installation of FlexNet inventory agent (adoption) sets the computer preference.
<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Launcher\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Launcher\CurrentVersion

## LogFileSize (policy agent)

Command line | Registry

When the main policy merging log file (defined in `LogFile (policy agent)`) reaches the size defined in `LogFileSize`, the file is renamed (to the value in `LogFileOld`). This overwrites any existing `LogFileOld (policy agent)` file. A new log file is created. This allows you to retain additional log information.

The size must be expressed as the number of bytes of the maximum allowed log size. If this entry is empty or set to zero, there is no log size limit and the size of the log file continues to grow.

### Values

<b>Values / range</b>	Number (number of bytes)
<b>Default value</b>	4000000
<b>Example values</b>	3126000 (3 Mb)

### Command line

<b>Tool</b>	Policy agent (mgspolicy)
<b>Example</b>	-o LogFileSize=3126000

### Registry

<b>Installed by</b>	Installation of FlexNet inventory agent (adoption)
<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Policy Client\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Policy Client\CurrentVersion

## LogLevel (inventory agent)

Command line | Registry

`LogLevel` sets the category of logging used by the FlexNet inventory agent. This logging is output to the file whose name is stored in the `LogFile` entry. Individual entries include the following:

- A - Schedule logging

- C - Callout logging
- G - General logging
- N - Network logging
- P - Preference logging
- S - Security logging
- U - User interface logging
- V - Verification logging

### Values

<b>Values / range</b>	A-z
<b>Default value</b>	A-z (this enables all logging)
<b>Example values</b>	G

### Command line

<b>Tool</b>	Inventory agent (ndtrack)
<b>Example</b>	-o LogLevel=G

### Registry

<b>Installed by</b>	Installation of the FlexNet inventory agent
<b>User preference</b>	In order of precedence: <ul style="list-style-type: none"> <li>• HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Tracker\CurrentVersion</li> <li>• HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Common</li> </ul>
<b>Computer preference</b>	In order of precedence: <ul style="list-style-type: none"> <li>• [Registry]\ManageSoft\Tracker\CurrentVersion</li> <li>• [Registry]\ManageSoft\Common</li> </ul>

# LogLevel (policy agent)

Command line | Registry

`LogLevel` sets the level of logging used by the policy agent. This logging is output to the file whose name is stored in the `LogFile` (policy agent) entry. Individual entries include the following:

- A - Schedule logging
- C - Callout logging
- G - General logging
- N - Network logging
- P - Preference logging
- S - Security logging
- U - User interface logging
- V - Verification logging

## Values

<b>Values / range</b>	A-z
<b>Default value</b>	A-z (this enables all logging)
<b>Example values</b>	G

## Command line

<b>Tool</b>	Policy agent ( <code>mgspolicy</code> )
<b>Example</b>	<code>-o LogLevel=G</code>

## Registry

<b>Installed by</b>	Installation of the FlexNet inventory agent
<b>User preference</b>	In order of precedence: <ul style="list-style-type: none"> <li>• <code>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Policy Client\CurrentVersion</code></li> </ul>



	<ul style="list-style-type: none"> <li>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Common</li> </ul>
<b>Computer preference</b>	<p>In order of precedence:</p> <ul style="list-style-type: none"> <li>[Registry]\ManageSoft\Policy Client\CurrentVersion</li> <li>[Registry]\ManageSoft\Common</li> </ul>

## LogModules (inventory agent)

Command line | Registry

LogModules specifies the modules used to log events for FlexNet inventory agent. When unspecified, the default inventory agent log modules are used. To use custom logging, include the location of your custom logging DLL.

### Values

<b>Values / range</b>	default; <path to modules>
<b>Default value</b>	<p>On Microsoft Windows platforms:</p> <pre>default;C:\Program Files (x86)\ManageSoft\Common\mgssyslg.dll; C:\Program Files (x86)\ManageSoft\Common\mgsantlg.dll</pre> <p>On UNIX-like platforms:</p> <pre>default;\$(InstallDir)/lib/levtlog.so</pre>
<b>Example values</b>	C:\temp\myModule.dll

### Command line

<b>Tool</b>	Inventory agent (ndtrack)
<b>Example</b>	-o LogModules=C:\temp\myModule.dll

### Registry

<b>Installed by</b>	Installation of FlexNet inventory agent
<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Tracker\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Tracker\CurrentVersion

	[Registry]\ManageSoft\Common
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## LogModules (policy agent)

Command line | Registry

`LogModules` specifies the modules used to log events for the policy agent. When unspecified, the default inventory agent log modules are used. To use custom logging, include the location of your custom logging DLL.

### Values

<b>Values / range</b>	<code>default; &lt;path to modules&gt;</code>
<b>Default value</b>	<p>On Microsoft Windows platforms:</p> <pre>default;C:\Program Files (x86)\ManageSoft\Common\mgssyslg.dll; C:\Program Files (x86)\ManageSoft\Common\mgsamtlg.dll</pre> <p>On UNIX-like platforms:</p> <pre>default;\$(InstallDir)/lib/levtlog.so</pre>
<b>Example values</b>	<code>C:\temp\myModule.dll</code>

### Command line

<b>Tool</b>	Policy agent ( <code>mgspolicy</code> )
<b>Example</b>	<code>-o LogModules=C:\temp\myModule.dll</code>

### Registry

<b>Installed by</b>	Installation of FlexNet inventory agent
<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Policy Client\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Policy Client\CurrentVersion [Registry]\ManageSoft\Common

## LowProfile (inventory agent)

Command line | Registry

`LowProfile` determines the CPU priority of FlexNet inventory agent on the computer device where it is executing.

- When set to `True`, FlexNet inventory agent processes run with low priority. For UNIX-like systems, this sets the nice level of the process to 10 (see *What Is Special on UNIX-Like Systems?* on page 9 for other settings). On recent Windows platforms, it uses background processing mode (`PROCESS_MODE_BACKGROUND_BEGIN`). On legacy Windows platforms where this is not supported (such as Windows XP and earlier), it uses a priority of idle (`IDLE_PRIORITY_CLASS`).
- When set to `False`, the same processes run with normal priority.

### Values

<b>Values / range</b>	Boolean ( <code>True</code> or <code>False</code> ).
<b>Default value</b>	No default in registry; default behavior is <code>True</code> .
<b>Example values</b>	<code>False</code>

### Command line

<b>Tool</b>	Inventory agent ( <code>ndtrack</code> )
<b>Example</b>	<code>-o LowProfile=True</code>

### Registry

<b>Installed by</b>	Installation of the FlexNet inventory agent
<b>User preference</b>	<code>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Tracker\CurrentVersion</code>
<b>Computer preference</b>	<code>[Registry]\ManageSoft\Tracker\CurrentVersion</code>

## MachineID

Command line | Registry

`MachineID` stores the computer name of the target device, as returned from the operating system (typically shifted to all upper case).

This value is derived from the operating system, and on recent versions of Windows, is the same (possibly apart from case) as the computer name visible in the **Computer > Properties** dialog, displayed as **Computer name**.

By default, this preference is not set manually, but is referenced as `$(MachineName)`. This reference causes the FlexNet inventory agent to query the operating system for the name of the machine.

However, it is possible to override the value with a manual setting. This may be useful, for example, when taking inventory of UNIX-like machines, where you may prefer a particular machine name to appear in inventory. This value may be set:

- In the installation bootstrap file `mgsft_rollout_response`, used for custom installations on UNIX-like platforms (for more details, see *Configure the Bootstrap File for UNIX* in the *FlexNet Inventory Agent and Managed Devices* PDF file, available through the title page of online help.
- In the command line (on all platforms), as described below.
- In the registry (or, on UNIX-like platforms, for the full FlexNet inventory agent locally installed on the computer, the `config.ini` file; or when using `ndtrack.sh` alone as a lightweight inventory scanner, the `ndtrack.ini` file).

If this preference is customized to a non-default value, it should typically be configured under `[Registry]\ManageSoft\Common` (only) to ensure that all agents use the same value of `MachineId`. Note that a setting for any individual agent overrides the setting in `Common`.

## Values

<b>Values / range</b>	Alphanumeric (best restricted to ASCII characters).
<b>Default value</b>	<code>\$(MachineName)</code> This variable is expanded by FlexNet inventory agent by querying the operating system.
<b>Example values</b>	<code>MyMachine</code>

## Command line

<b>Tool</b>	Installation agent ( <code>ndlaunch</code> ), policy agent ( <code>mgspolicy</code> ), scheduling agent ( <code>ndschedag</code> ), usage agent, inventory agent ( <code>ndtrack</code> )
<b>Example</b>	<code>-o MachineId=MyMachine</code>

## Registry

<b>Installed by</b>	Installation of FlexNet inventory agent on the target device (by adoption).
<b>User preference</b>	Not available.

<b>Computer preference</b>	<pre>[Registry]\ManageSoft\Launcher\CurrentVersion [Registry]\ManageSoft\Policy Client\CurrentVersion [Registry]\ManageSoft\Schedule Agent\CurrentVersion [Registry]\ManageSoft\Usage Agent\CurrentVersion [Registry]\ManageSoft\Common</pre> <p>(If set in both the Common hive and another hive, the value in the Common hive is not used for that agent.)</p>
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## MachineInventoryDirectory

Command line | Registry

MachineInventoryDirectory defines the location in which to store machine inventories.



**Note** • The FlexNet inventory agent uses this option only for machine inventory when it is executing on a computer device in local mode. Local mode is set automatically when the base directory for the executable matches the value stored in the registry key `HKLM\Software\ManageSoft Corp\ManageSoft\EtcpInstallDir`. This is the normal state after installation of the agent on a computer device. (This means that this folder is not used for zero-touch inventory, whether collected by the FlexNet inventory agent or the light-weight FlexNet Inventory Scanner. For zero-touch inventory collection, see *MachineZeroTouchDirectory* on page 106.)

### Values

<b>Values / range</b>	Any valid file path.
<b>Default value</b>	<code>\$(CommonAppDataFolder)\ManageSoft Corp\ManageSoft\Tracker\Inventories</code>
<b>Example values</b>	<code>C:\temp</code>

### Command line

<b>Tool</b>	Inventory agent (ndtrack)
<b>Example</b>	<code>-o MachineInventoryDirectory=C:\ManageSoft Corp\ManageSoft\Tracker\Inventories</code>

### Registry

<b>Installed by</b>	Installation of the FlexNet inventory agent (computer preference)
---------------------	---

<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Tracker\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Tracker\CurrentVersion

## MachineName

Command line | Registry

`MachineName` contains the name of the local machine. Unlike `MachineId`, this preference should not be changed.

### Values

<b>Values / range</b>	Any valid machine name.
<b>Default value</b>	(No default.) If no value is set, FlexNet Inventory Scanner uses the current machine name.
<b>Example values</b>	MyMachine

### Command line

<b>Tool</b>	Inventory agent (ndtrack)
<b>Example</b>	-o MachineName=MyMachine

### Registry

<b>Installed by</b>	Manual configuration
<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Tracker\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Tracker\CurrentVersion

## MachinePolicy

Command line | Registry

`MachinePolicy` gives the full directory path and file name of the merged policy file for machine policy on this managed device. This file is prepared on the inventory beacon, and is the summary of all applicable machine

policies. The setting can be overridden on the command line for testing purposes, but this setting should generally be read-only.

## Values

<b>Values / range</b>	Any valid directory path and file name of a well-formed merged policy file
<b>Default value</b>	<code>\$(MachinePolicyDirectory)\\$(MachineId).npl</code>
<b>Example values</b>	<code>C:\Document and Settings\All Users\Application Data\Flexera Software\FlexNet Inventory\Policy Client\Policies\Merged\Machine\WORKSTATION_34.npl</code>

## Command line

<b>Tool</b>	Policy agent ( <code>mgspolicy</code> )
<b>Example</b>	<code>-o MachinePolicy="C:\temp\testpolicy.npl"</code>

## Registry

<b>Installed by</b>	Code internals, or manual configuration
<b>User preference</b>	Not available
<b>Computer preference</b>	<code>[Registry]\ManageSoft\Selector\CurrentVersion</code>

# MachinePolicyDirectory

Command line | Registry

`MachinePolicyDirectory` gives the location to store the current machine policy on the local managed device.

## Values

<b>Values / range</b>	Valid folder and path.
<b>Default value</b>	<code>\$(CommonAppDataFolder)\ManageSoft Corp\ManageSoft\Policy Client\Policies\Merged\Machine</code>
<b>Example values</b>	<code>C:\Temp\MachinePolicies</code>

## Command line

<b>Tool</b>	Policy agent (mgspolicy)
<b>Example</b>	<code>-o C:\Temp\MachinePolicies</code>

## Registry

<b>Installed by</b>	Code internals, or manual configuration
<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Policy Client\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Policy Client\CurrentVersion

# MachinePolicyPackageDirectory

Command line | Registry

MachinePolicyPackageDirectory gives the location where package information associated with machine policy is cached.

## Values

<b>Values / range</b>	Valid folder and path.
<b>Default value</b>	<code>\$(CommonAppDataFolder)\ManageSoft Corp\ManageSoft\Policy Client\Packages</code>
<b>Example values</b>	<code>C:\Temp\MyMachinePolicy\PackageInfo</code>

## Command line

<b>Tool</b>	Policy agent (mgspolicy)
<b>Example</b>	<code>-o C:\Temp\MyMachinePolicy\PackageInfo</code>

## Registry

<b>Installed by</b>	Installation of FlexNet inventory agent (computer preference)
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<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Policy Client\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Policy Client\CurrentVersion

## MachineScheduleDirectory

Command line | Registry

MachineScheduleDirectory gives the folder in which the machine schedules are stored.

A machine schedule is run for the computer on which it is installed, regardless of any users that may or may not have accounts on that machine.

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**Warning** • *Altering this value is not recommended. Additional actions need to be taken when redirecting this to another folder. Contact your Flexera Software professional services consultant for further information.*

### Values

Values / range	Valid folder path
<b>Default value</b>	Windows devices: <pre>\$ (CommonAppDataFolder)\ManageSoft Corp\ ManageSoft\Schedule Agent\Schedules</pre> Non-Windows devices: <pre>\$(CommonAppDataFolder)/scheduler/schedules</pre>
<b>Example values</b>	<pre>C:\Program Files\Flexera Software\Schedule Agent\ MachineSchedules</pre>

### Command line

<b>Tool</b>	Scheduling agent (ndschedag)
<b>Example</b>	<pre>-o MachineScheduleDirectory="C:\Program Files\Flexera Software\schedule agent\ MachineSchedules"</pre>

### Registry

<b>Installed by</b>	Installation of FlexNet inventory agent (computer preference)
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<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Schedule Agent\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Schedule Agent\CurrentVersion

## MachineZeroTouchDirectory

Command line | Registry

MachineZeroTouchDirectory identifies the directory where machine inventory files are written (temporarily, pending upload) during any inventory gathering by FlexNet inventory agent. If the upload (called as part of the inventory scanning process) proceeds normally, each temporary file is cleaned up after upload.



**Note** • The FlexNet inventory agent references this setting for any machine inventory involving remote execution (zero touch inventory gathering). Remote mode is set automatically when the registry key `HKLM\Software\ManageSoft Corp\ManageSoft\EtcInstallDir` does not exist or does not match the base directory for the executable. The registry key is typically missing during zero-touch inventory gathering, because the inventory agent has not been permanently installed on the managed device. (This means that, when the FlexNet inventory agent is locally installed on the managed device, this folder is not used. Instead, in this case see *MachineInventoryDirectory* on page 101.)

### Values

<b>Values / range</b>	Any valid directory.
<b>Default value</b>	<code>%temp%\FlexeraSoftware\</code> This is the temporary directory for the account running the inventory scan.
<b>Example values</b>	<code>C:\temp</code>

### Command line

<b>Tool</b>	Inventory agent (ndtrack)
<b>Example</b>	<code>-o MachineZeroTouchDirectory=C:\temp</code>

### Registry

<b>Installed by</b>	Manual configuration
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<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Tracker\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Tracker\CurrentVersion

## MSI

Command line | Registry

MSI applies to inventory for Microsoft Windows devices:

- When set to `True`, Microsoft Installer (MSI) package information is added to the inventories.
- When set to `False`, FlexNet inventory agent does not include MSI package information in inventories.

### Values

<b>Values / range</b>	Boolean ( <code>True</code> or <code>False</code> ).
<b>Default value</b>	<code>True</code>
<b>Example values</b>	<code>False</code>

### Command line

<b>Tool</b>	Inventory agent ( <code>ndtrack</code> )
<b>Example</b>	<code>-o MSI=False</code>

### Registry

<b>Installed by</b>	Code internals, or manual configuration
<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Tracker\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Tracker\CurrentVersion

## Name

Registry

Name is a human-friendly name for this upload or download record. For example, if the host name is beacon1.tmnis.org, you might choose to name this entry beacon1.tmnis.org Upload Location or beacon1.tmnis.org Download Location respectively.

### Values

<b>Values / range</b>	Any name
<b>Default value</b>	(No default.)
<b>Example values</b>	beacon1.tmnis.org Download Location

### Registry

<b>Installed by</b>	Failover list for inventory beacons, or manual configuration
<b>User preference</b>	<p>For uploads:</p> <pre>HKEY_CURRENT_USER\Software\ManageSoft Corp\ ManageSoft\Common\UploadSettings\ &lt;reporting_location&gt;</pre> <p>For downloads:</p> <pre>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Common\DownloadSettings\&lt;distribution_location&gt;</pre> <p>For trusted locations:</p> <pre>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Launcher\CurrentVersion\TrustedLocations\&lt;serverkey&gt;</pre> <p>For excluded locations:</p> <pre>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Launcher\CurrentVersion\ExcludedLocations\&lt;serverkey&gt;</pre>
<b>Computer preference</b>	<p>For uploads:</p> <pre>[Registry]\ManageSoft\Common\UploadSettings\&lt;reporting_location&gt;</pre> <p>For downloads:</p> <pre>[Registry]\ManageSoft\Common\DownloadSettings\&lt;distribution_location&gt;</pre> <p>For trusted locations:</p> <pre>[Registry]\ManageSoft\Launcher\CurrentVersion\TrustedLocations \&lt;serverkey&gt;</pre>

	<p>For excluded locations:</p> <pre>[Registry]\ManageSoft\Launcher\CurrentVersion\ExcludedLocations &lt;serverkey&gt;</pre>
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## ndsensNetType

Command line | Registry

`ndsensNetType` applies only on Windows devices. This value determines when a `When connected to network trigger` is deemed to have occurred, causing the command given by `ndsensNetUp` to be executed. It will only trigger if the network is of a certain type. There are three possible values:

- 1 Local area network (LAN)
- 2 Wide area network (WAN)
- 3 Either LAN or WAN.

The scheduling agent monitors the specified network type(s). For example, if `ndsensNetType=2`, the agent only monitors for connections to WANs.

### Values

<b>Values / range</b>	1, 2, 3
<b>Default value</b>	3
<b>Example values</b>	1

### Command line

<b>Tool</b>	Scheduling agent ( <code>ndschedag</code> )
<b>Example</b>	<code>-o ndsensNetType=2</code>

### Registry

<b>Installed by</b>	Installation of FlexNet inventory agent (computer preference)
<b>User preference</b>	<code>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Schedule Agent\CurrentVersion</code>
<b>Computer preference</b>	<code>[Registry]\ManageSoft\Schedule Agent\CurrentVersion</code>

## no\_proxy

Command line | Registry

`no_proxy` lists the addresses for which the installation agent should ignore the proxy settings entered in the `http_proxy` registry entry.

### Values

<b>Values / range</b>	Any valid URL.
<b>Default value</b>	(No default.)
<b>Example values</b>	<code>tmnis.com;tmnis.com.de</code>

### Command line

<b>Tool</b>	Installation agent (ndlaunch)
<b>Example</b>	<code>-o no_proxy=tmnis.com;tmnis.com.de</code>

### Registry

<b>Installed by</b>	Installation of FlexNet inventory agent on a managed device (computer preference)
<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Launcher\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Launcher\CurrentVersion

## OnConnect

Command line only

`OnConnect` applies only on Windows devices. Determines scheduling tasks that are initiated when an `OnConnect` trigger occurs. There are two options:

- `True`: Run missed tasks (automatically setting the preference `Catchup=Always`) and run all events with `OnConnect` triggers
- `False`: Do nothing.

## Values

<b>Values / range</b>	Boolean (True or False)
<b>Default value</b>	False
<b>Example values</b>	True

## Command line

<b>Tool</b>	Scheduling agent (ndschedag)
<b>Example</b>	-o OnConnect=True

# OracleInventoryUser

Command line | Registry

`OracleInventoryUser` specifies the member of the `dba` database group which the inventory agent impersonates for Oracle introspection (collecting inventory data from an Oracle database) on a UNIX host. (This preference applies only to UNIX platforms. On Microsoft Windows, `ndtrack` executes as `SYSTEM`, which must be a member of the `ora-dba` database group on the Windows Server. For manual execution on the command line in Microsoft Windows, you can alternatively specify another account that has administrator privileges and is a member of `ora-dba`.)

## Values

<b>Values / range</b>	An exact match for any Oracle user name that is a current member of the <code>dba</code> database group on the UNIX host server.
<b>Default value</b>	None.
<b>Example value</b>	<code>dbauser</code>

## Command line

<b>Tool</b>	Inventory agent on UNIX only ( <code>ndtrack.sh</code> )
<b>Example</b>	-o OracleInventoryUser= <code>dbauser</code>

## Registry

<b>Installed by</b>	Manual configuration
<b>Computer preference</b>	<p>[Registry]\ManageSoft\Tracker\CurrentVersion in the config.ini or ndtrack.ini file:</p> <pre>[ManageSoft\Tracker\CurrentVersion] OracleInventoryUser=dbauser</pre>

# Password

## Registry

`Password` stores the encrypted password required for authentication during upload of files from the managed device to the inventory beacon.

## Values

<b>Values / range</b>	This can be any characters. The characters are encrypted.
<b>Default value</b>	<p>For FT protocol only:</p> <pre>Anonymous</pre> <p>Otherwise, there is no default.</p>

## Registry

<b>Installed by</b>	Failover list for inventory beacons, or manual configuration
<b>User preference</b>	<p>For uploads:</p> <pre>HKEY_CURRENT_USER\Software\ManageSoft Corp\ ManageSoft\Common\UploadSettings\ &lt;reporting_location&gt;</pre> <p>For downloads:</p> <pre>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Common\DownloadSettings\&lt;distribution_location&gt;</pre>
<b>Computer preference</b>	<p>For uploads:</p> <pre>[Registry]\ManageSoft\Common\UploadSettings\&lt;reporting_location&gt;</pre> <p>For downloads:</p> <pre>[Registry]\ManageSoft\Common\DownloadSettings\&lt;distribution_location&gt;</pre>



# PerformOracleInventory

## Registry

The FlexNet inventory agent collects Oracle inventory each time the inventory collection job is scheduled. You can use the `PerformOracleInventory` option to prevent `ndtrack` from collecting Oracle inventory. The agent stops collecting Oracle inventory until this option is reset to `True`.

## Values

<b>Values / range</b>	Boolean (True or False)
<b>Default value</b>	True
<b>Example values</b>	False

## Command line

<b>Tool</b>	<code>ndtrack</code>
<b>Example</b>	<code>-o PerformOracleInventory=False</code>

## Registry

<b>Installed by</b>	Manual configuration
<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ ManageSoft\Tracker\CurrentVersion
<b>Computer preference</b>	[Registry]\Managesoft\Tracker\CurrentVersion

# PolicyServerURL

## Command line | Registry

`PolicyServerURL` gives the location of policy for server-side merging. The policy agent passes this path through to the installation agent.

---

**Warning** • *Internal use only: do not edit.*

## Values

<b>Values / range</b>	Valid URL.
<b>Default value</b>	<code>http://beacon.domain.com/ManageSoftDL/Policies/Merged/Machine/deviceHostname.npl</code>
<b>Example values</b>	<code>http://InvBeaconB/ManageSoftDL/Policies/Merged/Machine/MgdDev2.npl</code>

## Command line

<b>Tool</b>	Policy agent (mgspolicy)
<b>Example</b>	<code>-o PolicyServerURL=http://InvBeaconB/ManageSoftDL/Policies/Merged/Machine/MgdDev2.npl</code>

## Registry

<b>Installed by</b>	Code internals
<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Policy Client\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Policy Client\CurrentVersion

# Port

Registry

Port is the port number for data transfer.

## Values

<b>Values / range</b>	Integers
<b>Default value</b>	(No default.)
<b>Example values</b>	1099

## Registry

<b>Installed by</b>	Failover list for inventory beacons, or manual configuration
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<p><b>User preference</b></p>	<p>For uploads:</p> <pre>HKEY_CURRENT_USER\Software\ManageSoft Corp\ ManageSoft\Common\UploadSettings\ &lt;reporting_location&gt;</pre> <p>For downloads:</p> <pre>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Common\DownloadSettings\&lt;distribution_location&gt;</pre> <p>For trusted locations:</p> <pre>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Launcher\CurrentVersion\TrustedLocations\&lt;serverkey&gt;</pre> <p>For excluded locations:</p> <pre>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Launcher\CurrentVersion\ExcludedLocations\&lt;serverkey&gt;</pre>
<p><b>Computer preference</b></p>	<p>For uploads:</p> <pre>[Registry]\ManageSoft\Common\UploadSettings\&lt;reporting_location&gt;</pre> <p>For downloads:</p> <pre>[Registry]\ManageSoft\Common\DownloadSettings\&lt;distribution_location&gt;</pre> <p>For trusted locations:</p> <pre>[Registry]\ManageSoft\Launcher\CurrentVersion\TrustedLocations \&lt;serverkey&gt;</pre> <p>For excluded locations:</p> <pre>[Registry]\ManageSoft\Launcher\CurrentVersion\ExcludedLocations \&lt;serverkey&gt;</pre>

## Priority

### Registry

Priority determines the order in which upload or download connections to inventory beacons should be attempted if `AutoPriority` is False. (If `AutoPriority` is True, the `Priority` registry key is set dynamically for each download and upload activity.)

To define a location as primary server for download and/or upload, set `AutoPriority` to False, and set `Priority` to 1.

To define a location as one that should not be used for download and/or upload, set `AutoPriority` to False, and set `Priority` to 100.

## Values

<b>Values / range</b>	Recommended range of 0 - 100
<b>Default value</b>	50
<b>Example values</b>	75

## Registry

<b>Installed by</b>	Failover list for inventory beacons, or manual configuration
<b>User preference</b>	<p>For uploads:</p> <pre>HKEY_CURRENT_USER\Software\ManageSoft Corp\ ManageSoft\Common\UploadSettings\ &lt;reporting_location&gt;</pre> <p>For downloads:</p> <pre>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Common\DownloadSettings\&lt;distribution_location&gt;</pre>
<b>Computer preference</b>	<p>For uploads:</p> <pre>[Registry]\ManageSoft\Common\UploadSettings\&lt;reporting_location&gt;</pre> <p>For downloads:</p> <pre>[Registry]\ManageSoft\Common\DownloadSettings\&lt;distribution_location&gt;</pre>

# ProgramFiles, ProgramFilesX86Folder, ProgramFilesX64Folder

Command line | Registry

`ProgramFiles`, `ProgramFilesX86Folder`, `ProgramFilesX64Folder` are a set of options that point to the Windows program files folder (across various versions of the operating system) on the target device where inventory is being gathered. `Program Files` exists for backwards compatibility; current distributions operate using `ProgramFilesX86Folder`.



**Note** • `ndtrack` (the executable underlying the FlexNet inventory agent) is a 32-bit executable.

## Values

<b>Values / range</b>	The valid folder name where applications are installed.
<b>Default values</b>	<p>Default values respectively on a 32-bit platform are:</p> <ul style="list-style-type: none"> <li>• Program Files</li> <li>• Program Files</li> <li>• "" (empty value).</li> </ul> <p>Default values on a 64-bit platform are:</p> <ul style="list-style-type: none"> <li>• Program Files</li> <li>• Program Files (x86)</li> <li>• Program Files</li> </ul>
<b>Example values</b>	<code>-o ProgramFiles="D:\Program Files"</code>

## Command line

<b>Tool</b>	Inventory agent (ndtrack)
<b>Example</b>	<code>option</code>

## Registry


<b>Installed by</b>	Predefined by Microsoft Windows.
<b>Reference as</b>	<code>\$(ProgramFiles)</code>

# Protocol

## Registry

`Protocol` identifies the uploads (or download) protocol for transferring files from (or to) the managed device.

## Values

<b>Values / range</b>	<p>http, https, file, ftp</p> 
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	<b>Note</b> • Only <i>http</i> and <i>https</i> are supported by inventory beacons. The other values are available for testing or custom solutions.
<b>Default value</b>	(No default.)

## Registry

<b>Installed by</b>	Failover list for inventory beacons, or manual configuration
<b>User preference</b>	<p>For uploads:</p> <pre>HKEY_CURRENT_USER\Software\ManageSoft Corp\ ManageSoft\Common\UploadSettings\ &lt;reporting_location&gt;</pre> <p>For downloads:</p> <pre>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Common\DownloadSettings\&lt;distribution_location&gt;</pre> <p>For trusted locations:</p> <pre>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Launcher\CurrentVersion\TrustedLocations\&lt;serverkey&gt;</pre> <p>For excluded locations:</p> <pre>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Launcher\CurrentVersion\ExcludedLocations\&lt;serverkey&gt;</pre>
<b>Computer preference</b>	<p>For uploads:</p> <pre>[Registry]\ManageSoft\Common\UploadSettings\&lt;reporting_location&gt;</pre> <p>For downloads:</p> <pre>[Registry]\ManageSoft\Common\DownloadSettings\&lt;distribution_location&gt;</pre> <p>For trusted locations:</p> <pre>[Registry]\ManageSoft\Launcher\CurrentVersion\TrustedLocations \&lt;serverkey&gt;</pre> <p>For excluded locations:</p> <pre>[Registry]\ManageSoft\Launcher\CurrentVersion\ExcludedLocations \&lt;serverkey&gt;</pre>

# Proxy

## Registry

`Proxy` describes the server name and port number of the SOCKS proxy (available for both uploads and downloads).

## Values

<b>Values / range</b>	<ul style="list-style-type: none"> <li>Valid SOCKS proxy server name and port number in the form of <code>socks:hostname:portNumber</code></li> <li><code>direct</code>, which tells the installation agent to try to directly access the URL if connection attempts through the proxy server fail.</li> </ul>
<b>Default value</b>	(No default.)
<b>Example values</b>	<code>socks:myServer:1080, direct</code>

## Registry

<b>Installed by</b>	Failover list for inventory beacons, or manual configuration
<b>User preference</b>	<p>For uploads:</p> <pre>HKEY_CURRENT_USER\Software\ManageSoft Corp\ ManageSoft\Common\UploadSettings\ &lt;reporting_location&gt;</pre> <p>For downloads:</p> <pre>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Common\DownloadSettings\&lt;&lt;distribution_location&gt;</pre>
<b>Computer preference</b>	<p>For uploads:</p> <pre>[Registry]\ManageSoft\Common\UploadSettings\&lt;&lt;reporting_location&gt;</pre> <p>For downloads:</p> <pre>[Registry]\ManageSoft\Common\DownloadSettings\&lt;&lt;distribution_location&gt;</pre>

# Recurse

Command line | Registry

`Recurse` controls whether FlexNet inventory agent drills down for inventory collection:

- When set to `True`, FlexNet inventory agent includes folders beneath the top-level folder(s) specified by `IncludeDirectory`.
- When set to `False`, FlexNet Inventory Scanner does not recurse folders beneath the top level folder(s). It only tracks files immediately within the folder(s) specified by `IncludeDirectory`.

## Values

<b>Values / range</b>	Boolean (True or False).
<b>Default value</b>	True
<b>Example values</b>	False

## Command line

<b>Tool</b>	Inventory agent (ndtrack)
<b>Example</b>	-o Recurse=False

## Registry

<b>Installed by</b>	Code internals, or manual configuration
<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Tracker\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Tracker\CurrentVersion

# RunInventoryScripts

Command line | Registry

When `RunInventoryScripts` is `True`, this preference specifies that inventory scripts should be run after managed devices have been inventoried. All scripts located in the location specified by `InventoryScriptsDir` are then executed immediately after inventory data collection is complete.

## Values

<b>Values / range</b>	Boolean (True or False).
<b>Default value</b>	False
<b>Example values</b>	True



## Command line

<b>Tool</b>	Inventory agent (ndtrack)
<b>Example</b>	<code>-o RunInventoryScripts=True</code>

## Registry

<b>Installed by</b>	Code internals, or manual configuration
<b>User preference</b>	Not available
<b>Computer preference</b>	[Registry]\ManageSoft\Tracker\CurrentVersion

# SelectorAlgorithm

## Registry

`SelectorAlgorithm` specifies the algorithm(s) used to assign values to the `Priority` registry key for download and upload locations.

After application of the nominated algorithm(s), the managed device will attempt to collect packages from the highest priority server. In the event of connection failure, the managed device uses the other prioritized servers remaining in the list as failover servers.

The NetSelector includes the following algorithms:

- `MgsADSiteMatch`: Moves all servers in the current managed device's site to the front of the priority list
- `MgsBandwidth`: Priorities are based on end-to-end bandwidth availability to the server
- `MgsDHCP`: Priorities are based on lists of servers specified in DHCP
- `MgsDomainMatch`: Priorities are determined by closest match in domain name
- `MgsIPMatch`: Priorities are determined by closest IP address match
- `MgsNameMatch`: Matches prefixes in computer names
- `MgsPing`: Priorities are determined by fastest ping response time
- `MgsRandom`: Random priorities are assigned
- `MgsServersFromAD`: (Windows devices only) Priorities are determined according to lists of servers specified in Active Directory
- `MgsSubnetMatch`: Moves all servers in the current subnet to the front of the priority list, but retaining the relative order of existing priorities.

Each algorithm may be given an integer parameter that determines the number of servers to which priorities will be assigned. Some algorithms may also be given an additional boolean attribute that can cause unmatched

servers to be discarded from the list (priority set to the string literal `invalid`). Some algorithms also accept other parameters.

## Values

<b>Values / range</b>	<code>MgsADSiteMatch, MgsBandwidth, MgsDHCP, MgsDomainMatch, MgsIPMatch, MgsNameMatch, MgsPing, MgsRandom, MgsServersFromAD, MgsSubnetMatch</code>
<b>Default value</b>	<code>MgsRandom;MgsPing;MgsADSiteMatch</code>
<b>Example values</b>	<p><code>MgsRandom(3)</code></p> <p>This means that ManageSoft should randomly assign the top three servers (based on the priorities currently assigned).</p> <p><code>MgsADSiteMatch(, True);MgsSubnetMatch</code></p> <p>This means that the NetSelector lists servers outside the current managed device's site as "invalid". (<code>MgsSubnetMatch</code> will only prioritize valid servers set by <code>MgsADSiteMatch</code>.)</p>

## Registry

<b>Installed by</b>	Installation of FlexNet inventory agent
<b>User preference</b>	<code>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\NetSelector\CurrentVersion</code>
<b>Computer preference</b>	<code>[Registry]\ManageSoft\NetSelector\CurrentVersion</code>

# ScheduleType

Command line only

`ScheduleType` applies only for Windows managed devices. Determines the type of schedule that is run when the scheduling agent is run via the command line. There are two options:

- `Machine`—Runs the schedule agent in "Machine" mode. You must have administrator privileges, or run under the Local System account. Any schedules installed on the same command line are installed as Machine schedules. This option can also be used to view scheduled tasks from the currently installed Machine schedule. (A Machine schedule is run for the machine on which it is installed, regardless of any users that may or may not have accounts on that machine.)
- `User`—Runs the scheduling agent in "User" mode. Will not work if the scheduling agent is run as the Local System account. Any schedules installed on the same command line are installed as User schedules. This option can also be used to view scheduled tasks from the currently installed User schedule. (A User schedule is run for the specified user account on the machine where the schedule resides.)

## Values

<b>Values / range</b>	Machine, User
<b>Default value</b>	<p>If running as the Local System account:</p> <p>Machine</p> <p>If running as any User account (including Administrator):</p> <p>User</p>

## Command line

<b>Tool</b>	Scheduling agent (ndschedag)
<b>Example</b>	<code>-o ScheduleType=User</code>

# ShowIcon (installation agent)

Command line | Registry

ShowIcon influences visibility to the user on the computer device being inventoried:

- When set to `True`, `ndlaunch` displays an icon in the system tray when it is installing a package. This icon displays, regardless of the value of the `UserInteractionLevel` (installation agent) preference. If this icon is double-clicked and `UserInteractionLevel` (installation agent) is set to `Status` or `Auto`, the progress display toggles from being hidden to being visible.
- When set to `False`, no icon will display.



**Tip** • On modern versions of Windows, this preference affects FlexNet inventory agent when it is being executed by a particular user account. When (as is normal) the inventory is being run by the local `SYSTEM` account, no icon is visible in the system tray.

## Values

<b>Values / range</b>	Boolean ( <code>True</code> or <code>False</code> ).
<b>Default value</b>	No registry default. If no value is supplied, the behavior depends on <code>UserInteractionLevel</code> . Where this is <code>Full</code> , the behavior is equivalent to <code>ShowIcon=False</code> ; and otherwise the behavior is as for <code>ShowIcon=True</code> .
<b>Example values</b>	<code>False</code>

## Command line

<b>Tool</b>	Installation agent (ndlaunch)
<b>Example</b>	<code>-o ShowIcon=False</code>

## Registry

<b>Installed by</b>	Installation of FlexNet inventory agent
<b>User preference</b>	<p>In order of precedence:</p> <ul style="list-style-type: none"> <li>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Launcher\CurrentVersion</li> <li>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Common</li> </ul>
<b>Computer preference</b>	<p>In order of precedence:</p> <ul style="list-style-type: none"> <li>[Registry]\ManageSoft\Launcher\CurrentVersion</li> <li>[Registry]\ManageSoft\Common</li> </ul>

# ShowIcon (inventory agent)

Command line | Registry

ShowIcon influences visibility to the user on the computer device being inventoried:

- When set to `True`, FlexNet inventory agent displays an icon in the system tray when it is collecting inventory. This icon displays, regardless of the value of the `UserInteractionLevel` preference. If this icon is double-clicked and `UserInteractionLevel` is set to `Status` or `Auto`, the progress display toggles from being hidden to being visible.
- When set to `False`, no icon will display.



**Tip** • On modern versions of Windows, this preference affects FlexNet inventory agent when it is being executed by a particular user account. When (as is normal) the inventory is being run by the local `SYSTEM` account, no icon is visible in the system tray.

## Values

<b>Values / range</b>	Boolean ( <code>True</code> or <code>False</code> ).
-----------------------	--

<b>Default value</b>	No registry default. If no value is supplied, the behavior depends on <code>UserInteractionLevel</code> . Where this is <code>Full</code> , the behavior is equivalent to <code>ShowIcon=False</code> ; and otherwise the behavior is as for <code>ShowIcon=True</code> .
<b>Example values</b>	<code>False</code>

## Command line

<b>Tool</b>	Inventory agent (ndtrack)
<b>Example</b>	<code>-o ShowIcon=False</code>

## Registry

<b>Installed by</b>	Installation of FlexNet inventory agent
<b>User preference</b>	In order of precedence: <ul style="list-style-type: none"> <li>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Tracker\CurrentVersion</li> <li>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Common</li> </ul>
<b>Computer preference</b>	In order of precedence: <ul style="list-style-type: none"> <li>[Registry]\ManageSoft\Tracker\CurrentVersion</li> <li>[Registry]\ManageSoft\Common</li> </ul>

# SourceFile

Command line | Registry

`SourceFile` identifies the file or files to be uploaded by the upload agent.

## Values

<b>Values / range</b>	Either a UNC ( <code>\\MYCOMPUTER\...</code> ) or a drive ( <code>C:\</code> ) path to the required file or files. Wildcard characters can be used in the filename component.
<b>Default value</b>	(No default.)
<b>Example values</b>	<code>C:\Temp\*.log</code>

## Command line

<b>Tool</b>	Upload agent (ndupload)
<b>Example</b>	<code>-o SourceFile=c:\temp\mylogfile.log</code>

## Registry

<b>Installed by</b>	Code internals, or manual configuration
<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Uploader\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Uploader\CurrentVersion

# SourceRemove

Command line | Registry

`SourceRemove` determines whether the upload agent removes the uploaded file(s) from the source location after a successful upload. If `True`, the files are removed from the source location.

## Values

<b>Values / range</b>	Boolean ( <code>True</code> or <code>False</code> )
<b>Default value</b>	<code>True</code>
<b>Example values</b>	<code>False</code>

## Command line

<b>Tool</b>	Upload agent (ndupload)
<b>Example</b>	<code>-o SourceRemove</code> <code>-o SourceRemove=False</code>

## Registry

<b>Installed by</b>	Code internals, or manual configuration
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<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Uploader\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Uploader\CurrentVersion

## Startup

Command line | Registry

**Warning** • *Internal use only: do not edit.*

The scheduling agent checks the `Startup` flag to determine if it has been called as part of system startup or while an end-user is logging on:

- For system startup, the scheduling agent is run by the scheduled event `MGSStartup`.
- For logon processing (Windows only), the scheduling agent is run as a result of the value for the registry key `HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Run\SchedulingAgent_nDG`. The scheduling agent cannot be called during logon processing for non-Windows devices.

The command line parameter `-o Startup=True` is passed in by default. Setting this preference elsewhere in the registry will have no effect.



**Notice** • *If the command line is changed to `-o Startup=False`, the scheduling agent will still trigger missed events if configured.*

### Values

<b>Values / range</b>	Boolean (True or False)
<b>Default value</b>	False

### Command line

<b>Tool</b>	Scheduling agent (ndschedag)
<b>Example</b>	<code>-o Startup=True</code>

## Registry

<b>Installed by</b>	Installation of FlexNet inventory agent (computer preference)
<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Schedule Agent\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Schedule Agent\CurrentVersion

## StrictInstall

Command line | Registry

If `StrictInstall` is set to `True`, the policy agent returns a non-zero exit code if any package in policy fails to install. If set to `False`, the policy agent may return a zero exit code even if packages failed to install. Do not use the policy agent's return code to test for success unless this preference is set to `True`.

### Values

<b>Values / range</b>	Boolean ( <code>True</code> or <code>False</code> )
<b>Default value</b>	No registry default; default behavior <code>False</code>
<b>Example values</b>	<code>True</code>

### Command line

<b>Tool</b>	Policy agent ( <code>mgspolicy</code> ), installation agent ( <code>ndlaunch</code> )
<b>Example</b>	<code>-o StrictInstall=True</code>

## Registry

<b>Installed by</b>	Manual configuration
<b>User preference</b>	In order of precedence: <ul style="list-style-type: none"> <li>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Launcher\CurrentVersion</li> <li>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Common</li> </ul>
<b>Computer preference</b>	In order of precedence:



	<ul style="list-style-type: none"> <li>• [Registry]\ManageSoft\Launcher\CurrentVersion</li> <li>• [Registry]\ManageSoft\Common</li> </ul>
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## SysDirectory

Command line | Registry

`SysDirectory` is a FlexNet pre-defined variable for the path to the Windows `System` folder. Intended for use as a reference, as `$(SysDirectory)`, but the value can be over-written.

### Values

<b>Values / range</b>	Valid folder name.
<b>Default value</b>	The path to the system folder on the Windows operating system.
<b>Example values</b>	<code>C:\Winnt\System32</code>

### Command line

<b>Tool</b>	Inventory agent (ndtrack)
<b>Example</b>	<code>-o SysDirectory=C:\Windows\System</code>

### Registry

<b>Installed by</b>	Predefined within FlexNet inventory agent / Windows.
<b>Reference as</b>	<code>\$(SysDirectory)</code>

## UIMode

Command line only

`UIMode` only applies for Windows managed devices.

Determines the user interface when the scheduling agent is run from the command line. There are two options:

- `LogUI`—Display the event log user interface.
- `EventUI`—Display currently scheduled events.

## Values

<b>Values / range</b>	LogUI, EventUI
<b>Default value</b>	EventUI

## Command line


<b>Tool</b>	Scheduling agent (ndshedag)
<b>Example</b>	-o UIMode=LogUI

# Upload

Command line | Registry

When `Upload` is set to `True`, the inventory files generated by FlexNet inventory agent are immediately uploaded to the reporting location on the inventory beacon. When set to `False`, the inventory files are not uploaded (for example, in case you wish to inspect or validate their contents).

## Values

<b>Values / range</b>	Boolean ( <code>True</code> or <code>False</code> ).
<b>Default value</b>	<p>True</p>  <p><b>Tip</b> • The default value is the inverse of the default for the lightweight FlexNet Inventory Scanner.</p>
<b>Example values</b>	False

## Command line

<b>Tool</b>	Inventory agent (ndtrack)
<b>Example</b>	-o Upload=False

## Registry

<b>Installed by</b>	Code internals, or manual configuration
<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Tracker\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Tracker\CurrentVersion

# UploadLocation

Command line | Registry

Unless the `Upload` parameter is `False`, an upload location must be specified, and `UploadLocation` is a convenient method. The value must be a URI of the form:

```
protocol separator server-name/location
```

where

- `protocol` and `separator` comprise one of these combinations (note three slashes for the file protocol):

- `http://`
- `https://`
- `ftp://`
- `file:///`



**Tip** • If you are uploading to an inventory beacon, use one of the HTTP or HTTPS protocols. The FlexNet Beacon software does not provide native support for FTP or file shares. (Those protocols are available only for configuration of your own uploads, such as for disconnected inventory beacons.)

- `server-name` is either the IP address or a server name (where the system running the FlexNet inventory agent has DNS access to resolve server names) of the destination for the upload (such as a parent inventory beacon, or a central application server).



**Tip** • If the target server is not listening on the default port number for the selected protocol, add the port number to the server name, separated by a colon. Example:

```
https://myServer.example.com:886/ManageSoftRL
```

- `location` is the reporting location that receives uploads on the destination server. In a default installation, this may be called `ManageSoftRL`, but may have been given any name during installation. This is a web service that receives the uploaded inventory, and stores it (briefly) in `%CommonAppData%\Flexera Software`

\Incoming\Inventories on the inventory beacon. The scheduled task Upload FlexNet logs and inventories, which by default runs every minute, then transfers the file to the central server.



**Note** • If `Upload` is `True` and `UploadLocation` is not supplied, the uploader looks for upload information in `[Registry]\ManageSoft\Common\UploadSettings` (and similarly in `HKEY_CURRENT_USER`), where the upload information inside each key will be used in sequence until the file(s) are successfully uploaded. (The uploader ignores servers listed in `UploadSettings` whose priority values are "invalid" or non-numeric.)

## Values

<b>Values / range</b>	Any valid URL.
<b>Default value</b>	(No default.)
<b>Example values</b>	<code>ftp://server/dir1/dir2</code>

## Command line

<b>Tool</b>	Upload agent ( <code>ndupload</code> ) or inventory agent ( <code>ndtrack</code> )
<b>Example</b>	<code>-o UploadLocation=http://server/dir1/dir2/</code>

## Registry

<b>Installed by</b>	Manual configuration
<b>User preference</b>	<code>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Uploader\CurrentVersion</code>
<b>Computer preference</b>	<code>[Registry]\ManageSoft\Uploader\CurrentVersion</code> <code>[Registry]\ManageSoft\Tracker\CurrentVersion</code> <code>[Registry]\ManageSoft\Common</code>

# UploadPassword

Command line | Registry

`UploadPassword` provides the password of the specified `UploadUser`. If the option is not used, the upload agent attempts to use the sequence of upload passwords from the registry.

## Values

<b>Values / range</b>	A valid password.
<b>Default value</b>	(No default.)
<b>Example values</b>	<code>mypassword</code>

## Command line

<b>Tool</b>	Upload agent (ndupload)
<b>Example</b>	<code>-o UploadPassword=mypassword</code>

## Registry

<b>Installed by</b>	Code internals, or manual configuration
<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Uploader\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Uploader\CurrentVersion

# UploadProxy

Command line | Registry

UploadProxy provides the name of the proxy server required for UploadLocation. Specifying `direct` tells the uploader to try directly accessing the URL, if connection attempts through the proxy server fail.

If the option is not used, the uploader refers to the sequence of any upload proxies identified in the failover list of inventory beacons. (For uploads, this list is saved in the registry under [Registry]\ManageSoft\Common\UploadSettings\.) Normally this means that if this preference is not set, proxies are not used for uploads from the managed device to the inventory beacon.

## Values

<b>Values / range</b>	The name and port number of a proxy server, in the format: <code>Socks:serverName:portNumber,direct</code>
<b>Default value</b>	(No default.)
<b>Example values</b>	<code>Socks:lyonesse:1080,direct</code>

## Command line

<b>Tool</b>	Upload agent (ndupload)
<b>Example</b>	<code>-o UploadProxy=Socks:lyonesse:1080,direct</code>

## Registry

<b>Installed by</b>	Manual configuration
<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Uploader\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Uploader\CurrentVersion

# UploadRule

Command line | Registry

`UploadRule` identifies the upload rule governing this command. Each rule covers a specific file type, mapping it to an upload destination set aside for receiving the matching file type. The mappings can be found in `[Registry]\ManageSoft\Common\Rules`. Setting this option also tells the uploader to transfer files of the specified type.



**Note** • If this option is set, any value of `UploadLocation` is ignored.

## Values

<b>Values / range</b>	One of Inventory, Log, PolicyComplianceLog, SMSStatusMessage
<b>Default value</b>	(No default.)
<b>Example values</b>	Log

## Command line

<b>Tool</b>	Upload agent (ndupload)
<b>Example</b>	<code>-o UploadRule=Log</code>

## Registry

<b>Installed by</b>	Manual configuration
<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Uploader\ \CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Uploader\CurrentVersion

# UploadSettings

## Registry

`UploadSettings` is a registry key (container) for several preferences that can control the upload of data by the FlexNet inventory agent (or the lightweight inventory scanner configurable for UNIX-like platforms, where the values can be stored in the `ndtrack.ini` configuration file). These registry values are in sets that apply to a particular reporting location, for which reason the registry key must be completed with an identifier for the reporting location. The completed path leads to the relevant set of registry values, as shown below.

When configured by the failover list generated by an inventory beacon, the placeholder `<reporting_location>` takes the form of a GUID that identifies the reporting location on the particular inventory beacon (for example, `{8909c9ba-8492-420e-b6e0-100ecf115b0a}`). In contrast, if you are manually configuring `UploadSettings` in an `ndtrack.ini` file for the lightweight inventory scanner on UNIX-like platforms, you may use any string of ASCII characters (excluding white space) that is unique within the context of the `ndtrack.ini` file for these locations.

Four name/value pairs must be specified, and others are optional. To omit an optional value, you may include the name and leave the value blank (as shown in the example below), or omit the name/value pair entirely. The values that may be set are:

- *Protocol* on page 117 – Mandatory. For upload to an inventory beacon, this must be either `http` or `https`.
- *Name* on page 107
- *Directory* on page 61 – Mandatory. By default, the reporting location is called `ManageSoftRL`, but as this may have been renamed during installation, you need to check details of your implementation.
- *Host* on page 73 – Mandatory.
- *Port* on page 114 – Mandatory. As this has no default value, you must specify this setting to suit your environment (typically port 80 for HTTP and port 443 for HTTPS).
- *User* on page 138 – If omitted (or left with a blank value), anonymous authentication is used for uploads to this reporting location.
- *Password* on page 112 – Stores an encrypted copy of the password needed when Windows authentication is specified for the upload.



**Tip** • Since this value is encrypted, it cannot be used when manually editing an `ndtrack.ini` configuration file. Use of this setting in a manually-edited file dictates anonymous authentication.

- `Proxy` on page 118
- `Priority` on page 115
- `AutoPriority` on page 55.

For an alternative more suited to command lines, see `UploadLocation`.

## Values

<b>Values / range</b>	Requires a subkey that uniquely identifies the reporting location on an individual inventory beacon.
<b>Default value</b>	None.
<b>Example values</b>	<pre>[Registry]\ManageSoft\Common\UploadSettings\{8909c9ba-8492-420e- b6e0-100ecf115b0a}   Protocol=http   Name=Server Room Reporting Location   Directory=ManageSoftRL   Host=WIN-KCPMHPHA0GR   Port=80   User=   Password=   Proxy=   Priority=100   AutoPriority=True</pre>

## Registry

<b>Installed by</b>	Download of failover settings, or manual configuration
<b>User preference</b>	<pre>HKEY_CURRENT_USER\Software\ManageSoft Corp\ ManageSoft\Common\UploadSettings\ &lt;reporting_location&gt;</pre>
<b>Computer preference</b>	<pre>[Registry]\ManageSoft\Common\UploadSettings \<reporting_location&gt;< pre=""> </reporting_location&gt;<></pre>

# UploadType

Command line | Registry

`UploadType` determines whether the upload agent uploads machine generated files or user generated files.



## Values

<b>Values / range</b>	Machine, User
<b>Default value</b>	<p>If running as the SYSTEM user:</p> <p>Machine</p> <p>If runner as any other user:</p> <p>User</p>
<b>Example values</b>	Machine

## Command line

<b>Tool</b>	Upload agent (ndupload)
<b>Example</b>	-o UploadType=Machine

## Registry

<b>Installed by</b>	Code internals, or manual configuration
<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Uploader\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Uploader\CurrentVersion

# UploadUser

Command line | Registry

UploadUser provides the username of the account required to access the location to which files are to be uploaded.

It is rare to specify this preference. In general, the credentials for bootstrapping are embedded in the upload URLs; and for normal operation, the inventory beacon downloads a failover list of all available inventory beacons (including encrypted credentials). The FlexNet inventory agent saves the contents of this list into the registry on the managed device, under the DownloadSettings and UploadSettings keys. There may be several keys thereunder, one for each download (or upload) location included in the failover list.

Therefore when (as is normal) UploadUser is not defined, the upload agent attempts to use credentials saved in the [Registry]\ManageSoft\Beacon\UploadSettings group of keys.

## Values

<b>Values / range</b>	Valid user name
<b>Default value</b>	(No default.)
<b>Example values</b>	JoSmith

## Command line

<b>Tool</b>	Upload agent (ndupload)
<b>Example</b>	-o UploadUser=JoSmith

## Registry

<b>Installed by</b>	Manual configuration
<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Uploader\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Uploader\CurrentVersion

# User

## Registry

User stores the account name required for authentication during transfer of files between the managed device and the inventory beacon.

When configured by the failover list generated by an inventory beacon, the placeholders *<reporting\_location>* and *<distribution\_location>* take the form of GUIDs that identify the relevant location on the particular inventory beacon (for example, {8909c9ba-8492-420e-b6e0-100ecf115b0a}). In contrast, if you are manually configuring UploadSettings in an ndtrack.ini file for the lightweight inventory scanner on UNIX-like platforms, you may use any string of ASCII characters (excluding white space) that is unique within the context of the ndtrack.ini file for these locations.

## Values

<b>Values / range</b>	Valid user name.
<b>Default value</b>	For FTP protocol only: Anonymous

	Otherwise, there is no default.
<b>Example value</b>	NewUser

## Registry

<b>Installed by</b>	Failover list for inventory beacons, or manual configuration
<b>User preference</b>	<p>For uploads:</p> <pre>HKEY_CURRENT_USER\Software\ManageSoft Corp\ ManageSoft\Common\UploadSettings\ &lt;reporting_location&gt;</pre> <p>For downloads:</p> <pre>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Common\DownloadSettings\&lt;distribution_location&gt;</pre>
<b>Computer preference</b>	<p>For uploads:</p> <pre>[Registry]\ManageSoft\Common\UploadSettings\&lt;reporting_location&gt;</pre> <p>For downloads:</p> <pre>[Registry]\ManageSoft\Common\DownloadSettings\&lt;distribution_location&gt;</pre>

# UserHardware

Command line | Registry

`UserHardware` allows you to track hardware (in user-based inventories), either using Windows Management Instrumentation (WMI) or native APIs. If WMI is available, it is used for tracking.

This preference is only effective when running in the user context. To track hardware in the machine context, use `Hardware`.

When set to `True`, allows the tracking of hardware inventory. When set to `False`, does not track hardware inventory.

## Values

<b>Values / range</b>	Boolean ( <code>True</code> or <code>False</code> ).
<b>Default value</b>	<code>False</code>
<b>Example values</b>	<code>True</code>

## Command line

<b>Tool</b>	Inventory agent (ndtrack)
<b>Example</b>	<code>-o UserHardware=True</code>

## Registry

<b>Installed by</b>	Code internals, or manual configuration
<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Tracker\CurrentVersion
<b>Computer preference</b>	N/A—use Hardware

# UserInteractionLevel (installation agent)

Command line | Registry

`UserInteractionLevel` defines the degree of user interaction with the installation agent (this is controlled separately from the inventory agent). The preference setting for this agent also controls behavior during device reboot.) Possible values are:

- **Full:** Installation activities operate in full interactive mode. The user has full control over a package's installation options, and will see all dialogs during the download, installation and uninstall phases. This is generally not encouraged for packages used with the FlexNet inventory agent.
- **Auto:** Installation activities are fully displayed, but no user interaction is required unless an error occurs. Installation proceeds automatically, using the default install values. Again, this is not generally recommended for packages used with the FlexNet inventory agent.
- **Quiet:** No user interface is displayed during operation, and no user feedback or interaction is available.
- **Status:** Only status dialogs are displayed (for example, progress dialogs).

## Values

<b>Values / range</b>	Full, Auto, Quiet, Status
<b>Default value</b>	Full  (This default was appropriate to previous scenarios for the installation agent, and should probably be changed now.)
<b>Example values</b>	Quiet

## Command line

<b>Tool</b>	Installation agent (ndlaunch)
<b>Example</b>	<code>-o UserInteractionLevel=Quiet</code>

## Registry

<b>Installed by</b>	Installation of FlexNet inventory agent (computer preference)
<b>User preference</b>	<p>In order of precedence:</p> <ul style="list-style-type: none"> <li>• HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Launcher\CurrentVersion</li> <li>• HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Common</li> </ul>
<b>Computer preference</b>	<p>In order of precedence:</p> <ul style="list-style-type: none"> <li>• [Registry]\ManageSoft\Launcher\CurrentVersion</li> <li>• [Registry]\ManageSoft\Common</li> </ul>

# UserInteractionLevel (inventory agent)

Command line | Registry

`UserInteractionLevel` defines the user interaction method of the `ndtrack` agent. Possible values are:

- **Full:** The `ndtrack` agent operates in full interactive mode.
- **Auto:** When `ShowIcon` is `True`, the `ndtrack` agent icon displays during inventory activities. The user is able to double-click the icon to access the `ndtrack` agent user interface. When `ShowIcon` is `False`, a progress bar displays during inventory activities.
- **Quiet:** The `ndtrack` agent is not displayed during operations, and no user feedback or interaction is available.
- **Status:** Only status dialogs are displayed (for example, progress dialogs).

## Values

<b>Values / range</b>	Full, Auto, Quiet, Status
<b>Default value</b>	Status
<b>Example values</b>	Quiet

## Command line

<b>Tool</b>	Inventory agent (ndtrack)
<b>Example</b>	-o UserInteractionLevel=Quiet

## Registry

<b>Installed by</b>	Manual configuration
<b>User preference</b>	<p>In order of precedence:</p> <ul style="list-style-type: none"> <li>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Tracker\CurrentVersion</li> <li>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Common</li> </ul>
<b>Computer preference</b>	<p>In order of precedence:</p> <ul style="list-style-type: none"> <li>[Registry]\ManageSoft\Tracker\CurrentVersion</li> <li>[Registry]\ManageSoft\Common</li> </ul>

# UserInventoryDirectory

Command line | Registry

UserInventoryDirectory defines the location for the user inventories on the computer device.



**Note** • The FlexNet inventory agent uses this option only for user-based inventory when it is executing on a computer device in local mode. Local mode is set automatically when the base directory for the executable matches the value stored in the registry key `HKLM\Software\ManageSoft Corp\ManageSoft\EtcpInstallDir`. (This means that this folder is not used for zero-touch inventory, whether

collected by the FlexNet inventory agent or the light-weight FlexNet Inventory Scanner. For zero-touch inventory collection, see *UserZeroTouchDirectory* on page 144.)

## Values

<b>Values / range</b>	Valid location.
<b>Default value</b>	<code>\$(AppDataFolder)\ManageSoft Corp\ ManageSoft\Tracker\Inventories</code>
<b>Example values</b>	<code>C:\temp</code>

## Command line

<b>Tool</b>	Inventory agent (ndtrack)
<b>Example</b>	<code>-o UserInventoryDirectory=C:\ManageSoft Corp\ManageSoft\Tracker \Inventories</code>

## Registry

<b>Installed by</b>	Installation of FlexNet inventory agent (computer preference)
<b>User preference</b>	<code>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Tracker \CurrentVersion</code>
<b>Computer preference</b>	<code>[Registry]\ManageSoft\Tracker\CurrentVersion</code>

# UserScheduleDirectory

Command line | Registry

`UserScheduleDirectory` applies only on Windows devices.

Determines the folder where the user schedules are stored. A user schedule is run for the specified user account on the machine where the schedule resides.



**Note** • Changing this preference is not recommended.

## Values

<b>Values / range</b>	Valid folder and path.
<b>Default value</b>	<code>\$(CommonAppDataFolder)\ManageSoft Corp\ManageSoft\Schedule Agent\Schedules</code>
<b>Example values</b>	<code>C:\Program Files\Flexera Software\schedule agent\UserSchedules</code>

## Command line

<b>Tool</b>	Scheduling agent (ndschedag)
<b>Example</b>	<code>-o UserScheduleDirectory="C:\Program Files\Flexera Software\schedule agent\UserSchedules"</code>

## Registry

<b>Installed by</b>	Installation of FlexNet inventory agent (computer preference)
<b>User preference</b>	<code>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Schedule Agent\CurrentVersion</code>
<b>Computer preference</b>	<code>[Registry]\ManageSoft\Schedule Agent\CurrentVersion</code>

# UserZeroTouchDirectory

Command line | Registry

`UserZeroTouchDirectory` specifies the directory where user inventory files are written (temporarily, pending upload) during a remote ("zero touch") inventory gathering process. If the upload (called as part of the inventory scanning process) proceeds normally, each temporary file is cleaned up after upload.



**Note** • The FlexNet inventory agent references this setting for any user-based inventory involving remote execution (zero touch inventory gathering). Remote mode is set automatically when the registry key `HKLM\Software\ManageSoft Corp\ManageSoft\EtcpInstallDir` does not exist or does not match the base directory for the executable. The registry key is typically missing during zero-touch inventory gathering, because the FlexNet inventory agent has not been permanently installed on the managed device. (This means that, when the FlexNet inventory agent is locally installed on the managed device, this folder is not used. Instead, in this case see [UserInventoryDirectory](#) on page 142.) Also note that the default for the FlexNet inventory agent is different than the default for the lightweight FlexNet Inventory Scanner.



## Values

<b>Values / range</b>	Any valid folder
<b>Default value</b>	<code>%temp%\FlexeraSoftware\</code> This is the temporary directory for the account running the inventory scan. (For the installed FlexNet inventory agent, this is the same default value as for MachineZeroTouchDirectory.)
<b>Example values</b>	<code>C:\temp</code>

## Command line

<b>Tool</b>	Inventory agent (ndtrack)
<b>Example</b>	<code>-o UserZeroTouchDirectory=C:\temp</code>

## Registry

<b>Installed by</b>	Manual configuration
<b>User preference</b>	<code>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Tracker\CurrentVersion</code>
<b>Computer preference</b>	<code>[Registry]\ManageSoft\Tracker\CurrentVersion</code>

# VersionInfo

Command line | Registry

When `VersionInfo` is set to `True`, FlexNet inventory agent includes file version header information in the inventory.

When set to `False`, FlexNet inventory agent does not include file version header information in the inventory.

## Values

<b>Values / range</b>	Boolean ( <code>True</code> or <code>False</code> ).
<b>Default value</b>	<code>True</code>
<b>Example values</b>	<code>False</code>

## Command line

<b>Tool</b>	Inventory agent (ndtrack)
<b>Example</b>	<code>-o VersionInfo=False</code>

## Registry

<b>Installed by</b>	Code internals, or manual configuration
<b>User preference</b>	HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Tracker\CurrentVersion
<b>Computer preference</b>	[Registry]\ManageSoft\Tracker\CurrentVersion

# WinDirectory

Command line | Registry

`WinDirectory` references the path to the Windows folder. You can also use `WindowsFolder`: this is a Windows pre-defined variable for the same folder.

## Values

<b>Values / range</b>	
<b>Default value</b>	<code>C:\Windows</code>
<b>Example values</b>	<code>C:\Windows</code>

## Command line

<b>Tool</b>	Inventory agent (ndtrack)
<b>Example</b>	<code>-o WinDirectory=C:\Winnt</code>

## Registry

<b>Installed by</b>	Predefined within FlexNet inventory agent / Microsoft Windows
<b>Reference as:</b>	<code>\$(WinDirectory)</code>

## WMI

Command line | Registry

When `WMI` is set to `True`, the Windows Management Instrumentation (WMI) tracking is specified as the preferred option for tracking hardware. In this case, if WMI is not available (and the `Hardware` preference is set to `True`), FlexNet inventory agent attempts to track hardware using a native API.

When set to `False`, FlexNet Inventory Scanner uses another tracking mechanism instead of WMI.

### Values

<b>Values / range</b>	Boolean ( <code>True</code> or <code>False</code> ).
<b>Default value</b>	When taking machine-based inventory: <code>True</code> When taking user-based inventory: <code>False</code>
<b>Example values</b>	<code>False</code>

### Command line

<b>Tool</b>	Inventory agent ( <code>ndtrack</code> )
<b>Example</b>	<code>-o WMI=True</code>

### Registry

<b>Installed by</b>	Manual configuration
<b>User preference</b>	<code>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Tracker\CurrentVersion</code>
<b>Computer preference</b>	<code>[Registry]\ManageSoft\Tracker\CurrentVersion</code>

## WMIConfigFile

Command line | Registry

`WMIConfigFile` defines the location of the Windows Management Instrumentation (WMI) configuration file, used to inform the FlexNet inventory agent what hardware components it should track. This is only used if `WMI` is `True`.

## Values

<b>Values / range</b>	Valid location.
<b>Default value</b>	<code>\$(ProgramPath)\wmitrack.ini</code>
<b>Example values</b>	The value should point to a valid <code>.ini</code> file that contains WMI configuration.

## Command line

<b>Tool</b>	Inventory agent (ndtrack)
<b>Example</b>	<code>-o WMIConfigFile=C:\Program Files\ManageSoft\Tracker\wmitrack.ini</code>

## Registry

<b>Installed by</b>	Installation of FlexNet inventory agent (computer preference)
<b>User preference</b>	<code>HKEY_CURRENT_USER\Software\ManageSoft Corp\ManageSoft\Tracker\CurrentVersion</code>
<b>Computer preference</b>	<code>[Registry]\ManageSoft\Tracker\CurrentVersion</code>