FusionInventory Agent Windows Installer User's Guide for v2.3.11 (Draft v0.1)

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Contents

Synopsys

```
fusioninventory-agent_windows-x86_2.3.11.exe [/Option [/Option [...]]]
fusioninventory-agent_windows-x64_2.3.11.exe [/Option [/Option [...]]]¹
```

Description

[FusionInventory Agent Windows Installer][2] installs [FusionInventory Agent][3] on Microsoft Windows operating systems.

It has two types of installation; the *from-scratch* type, that allows to perform an installation of FusionInventory Agent from the beginning, based on the default values of options, and the *from-current-config* type, that allows to perform an installation based on the values of options of the current FusionInventory Agent present on the system, whether it exists[4]. Besides these types of installation, it also has two modes of installation; the *silent mode*, that allows to perform the installation of FusionInventory Agent in a non-interactive or unattended way, and the *visual mode*, that allows to perform the installation of FusionInventory Agent in a graphical and interactive way.

It is needed to bear in mind that, with independence of the type of installation choosed, any existing release of FusionInventory Agent present on the system will be uninstalled automatically just before installing FusionInventory Agent v2.3.11. It is also noteworthy that, in the case of a *from-current-config* installation, any deprecated option will not be taken into account, and that any other change regarding options —renaming, splitting or grouping— will be managed automatically.

Using *FusionInventory Agent Windows Installer*

This section describes some of the most typical uses of FusionInventory Agent Windows Installer.

ToDo

Command line options

FusionInventory Agent Windows Installer is provided with a series of options that allows to adapt the installation to practically any environment or need. To use these options properly it is essential to know the order in which values are taken into account. That order is as follows —the higher the number, the greater the priority—.

1. Default values
2. Values from the current FusionInventory Agent (whether it exists and only in the case of *from-current-config* installation type)
3. Values from the command line (whether they exist)
4. Values from graphic user interface (only in the case of *graphic mode* installation)

You should bear in mind the following when using the command line:

- There are two types of options; those that act as a *Yes/No*, *On/Off* or *True/False* switch (*/option*), and those that have a value (*/option=value*)

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¹ *fusioninventory-agent_windows-x64_2.3.11.exe* can only be installed on systems with 64bits (X86_64).

²FusionInventory Agent Windows Installer is also known as FIAWI. The terms "FusionInventory Agent Windows Installer" or "FIAWI" will be used interchangeably.

³FusionInventory Agent is also known as FIA. The terms "FusionInventory Agent" or "FIA" will be used interchangeably.

⁴If a *from-current-config* installation has been specified, and FIAWI has not been able to detect a previous FIA installation, the installation type is automatically switched from *from-current-config* to *from-scratch*.

- The name of the options is case sensitive (`/html` is not the same that `/HTML`)
- The value of the options, unless otherwise specified, is not case sensitive (`/local=C:\Temp` is the same that `/local=c:\temp`)
- There should be no separation around the equal sign (`/local = c:\temp` is incorrect)
- Those values which contain a space, tabulator or the "/" character, should go between single "'" or double """ quotes (`/local='C:\FusionInventory Agent'`)
- An empty string is need to indicate an empty value (`/local="` is correct, `/local=` would generate an error)

The two following sections contain, on one hand, the specific options of the installer and, on the other hand, those options which change the FusionInventory Agent behaviour.

Specific options of the installer

/acceptlicense You accept and acknowledge that you have read, and understood, the terms and conditions of the license. (By default: `No`)

You must use this option if you perform the installation in *silent mode* (see `/S`).

If you indicate this option on the command line, but not the `/S` option, the *visual mode* installation will omit any question about the license.

/add-firewall-exception Adds FusionInventory Agent to the Windows Firewall exception list. (By default: `No`)

It is not implemented yet.

/ca-cert-uri=*URI* *URI* from where to obtain the file or files of certificate of authorities (CA). (By default: `"`)

The use of this option requires the joint use of the `/ca-cert-dir` or `/ca-cert-file` options, but not both.

It is not implemented yet.

/dumphelp This option has been deprecated in FusionInventory Agent Windows Installer v2.3.11.

/execmode=*mode* Sets the agent execution mode. (By default: `Current`)

mode can be any of the following values:

> `Service` [5] The agent runs as a Windows Service (always running)
> `Task` [6] The agent runs as a Windows Task (runs at intervals)
> `Manual` The agent doesn't run automatically (no `Service`, no `Task`)
> `Current` [7] The agent runs in the same way that the agent already installed runs

When *mode* is `Service` or `Task`, FusionInventory Agent Windows Installer creates a Windows Service called *FusionInventory-Agent* or a Windows Task called *FusionInventory-Agent* respectively.

/help This help. If the `/help` option is present, shows this help and aborts the installation.

/installdir=*pathname* Sets the installation base directory of the agent. (By default: `%ProgramFiles%\FusionInventor`

pathname must be an absolute path.

It is not implemented yet.

/installtasks={*task*[,*task*[...]] | *macro*} Selects the tasks to install. (By default: `Default`)

task can be any of the following values:

> `Deploy` Deploy task
> `ESX` ESX task
> `Inventory` Inventory task
> `NetDiscovery` Network discovery task
> `NetInventory` Network inventory task
> `WakeOnLan` Wake on LAN task

There are three macros defined to simplify the mission, are the following:

```
Minimal Inventory
Default Inventory
Full    Deploy,ESX,Inventory,NetDiscovery,NetInventory,WakeOnLan
```

It should be noted that the `Inventory` task will be always installed and that the `NetDiscovery` and `NetInventory` tasks are inter-dependent. Nowadays `Minimal` and `Default` are the same configuration.

/installtype={from-scratch | from-current-config} Selects between an installation from the beginning (`from-scratch`) or, whether the system has a previously installed agent, an installation based on the current configuration (`from-current-config`). (By default: `from-current-config`)

The installer automatically switches from `from-current-config` to `from-scratch` whether it's not able to detect a FusionInventory Agent previously installed on the system. This behaviour makes unnecesary to have to indicate `/installtype=from-scratch` to perform a FusionInventory Agent installation on those systems in which it doesn't exist previously and, at the same time, facillitates the update of FusionInventory Agent on those systems in which it exists.

/no-start-menu Do not create the *FusionInventory Agent* folder on the Start Menu. (By default: `No`)

The *FusionInventory Agent* folder, whether it is created, it is for all users.

/runnow Launches the agent immediately after its installation. (By default: `No`)

/S Silent installation. (By default: `No`)

You must accept the license in a explicit way if you perform the installation in silent mode (see `/acceptlicense`).

/start-menu This option is the opposite of `/no-start-menu`. See `/no-start-menu` for more information.

/task-daily-modifier=*modifier* Daily task schedule modifier. (By default: `1`)

modifier can take values between 1 and 30 (days), both included.

The `/task-daily-modifier` option comes into play only if you have also indicated `Daily` as value of the `/task-frequency` option.

/task-frequency=*frequency* Frequency for task schedule. (By default: `Hourly`)

frequency can be any of the following values:

```
Minute  At minute intervals (see option /task-minute-modifier)
Hourly  At hour intervals (see option /task-hourly-modifier)
Daily   At day intervals (see option /task-daily-modifier)
```

/task-hourly-modifier=*modifier* Hourly task schedule modifier. (By default: `1`)

modifier can take values between 1 and 23 (hours), both included.

The `/task-hourly-modifier` option comes into play only if you have also indicated `Hourly` as value of the `/task-frequency` option.

/task-minute-modifier=*modifier* Minute task schedule modifier. (By default: `15`)

modifier can take the following values: 15, 20 or 30 (minutes).

The `/task-minute-modifier` option comes into play only if you have also indicated `Minute` as value of the `/task-frequency` option.

Specific options of the agent

This set of options is actually a subset of FusionInventory Agent options to which FusionInventory Agent Windows Installer adds some others[8] to be able to realize *from-current-config* installations. It is interesting to note that, except for those already commented above, there is a direct relationship between the names of FusionInventory Agent Windows Installer specific options for FusionInventory Agent and the

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[8]Options `/httpd`, `/no-html`, `/no-scan-homedirs`, `/no-scan-profiles`, `/p2p` and `/ssl-check`.

names of FusionInventory Agent options —/`server` and `--server`, `/ca-cert-dir` and `--ca-cert-dir`, `/no-category` and `--no-category`, etc.—, and that they are the only options used by *FusionInventory Agent* configuration. Please, visit the official documentation about FusionInventory Agent configuration for more information.

/backend-collect-timeout=*timeout* Timeout for task `Inventory` modules execution. (By default: `180`)

    timeout is expressed in seconds.

        This option will be renamed to `/collect-timeout` in the next FIAWI v2.4.0

/ca-cert-dir=*pathname* Absolute path to the standard certificate directory [9] of certificate authorities (CA). (By default: `"`)

    The use of this option is incompatible with the use of the `/ca-cert-file` option.

/ca-cert-file=*filename* Full path to the certificates file of certification authorities (CA). (By default: `"`)

    filename must be in PEM (Privacy Enhanced Mail) encoding and its extension must be **.pem*. Also, *filename* can contain one or more certificates of certificate authorities. [10]

    The use of this option is incompatible with the use of the `/ca-cert-dir` option.

/debug=*level* Sets the debug level of the agent. (By default: `0`)

    level can be any of the following values:

        0 It records the basic process of FusionInventory Agent
        1 It records in depth the process of FusionInventory Agent
        2 It records communications of FusionInventory Agent with remote destinations (see `/server`)
        3 It records additional traces for some external Perl libraries (as *Net::SSLeay* and others)

    Note that higher values of *level* carry implicit the lower ones and that *level* **3** only has sense whether `/logger` is set to `Stderr`.

/delaytime=*limit* Sets an initial delay before first contact with a remote destination (see `/server`). This delay is calculated at random between *limit/2* and *limit* seconds. (Default: `3600`)

    This option is ignored for remote destinations after the first contact with each one, in favor of the specific server parameter (`PROLOG_FREQ`).

    The **/delaytime** option comes into play only if FusionInventory Agent runs in *server mode* (see `/execmode`).

    limit is expressed in seconds.

/html Save the result of Inventory task as HTML instead of XML. (By default: `No`)

        This option will be deprecated in the next FIAWI v2.4.0

/httpd This option is the opposite of `/no-httpd`. See `/no-httpd` for more information.

/httpd-ip=*ip* IP address by which the embedded web server should listen. (By default: `0.0.0.0`)

/httpd-port=*port* IP port by which the embedded web server should listen. (By default: `62354`)

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[9]A *standard certificate directory* must contain the certificate files corresponding to different certificate authorities in Privacy Enhanced Mail (PEM) format, and their names must correspond to the hash value of the certificate's *subject* field, with extension **.0*.

    For example, if you want to include the certificate file *FICert_Class1.crt* in the directory *pathname*, you must calculate the hash value of the certificate's *subject* field using, for example, OpenSSL

    C:\OpenSSL> openssl.exe x509 -in C:\FICert_Class1.crt -subject_hast -noout b760f1ce

    and afterwards, move or copy the certificate file to the directory *pathname* with the name *b760f1ce.0*.

    C:\OpenSSL> move.exe C:\FICert_Class1.crt *pathname*\b760f1ce.0

[10]To concatenate multiple certificate files into one file you can make use, for example, of the command *copy*.

    C:\> copy.exe FICert_Class1.crt+FICert_Class2.crt FICerts.pem

/httpd-trust={*ip* | *range* | *hostname*}[,{*ip* | *range* | *hostname*}[...]] Trusted IP addresses that do not require authentication token by the integrated web server. (By default: `127.0.0.1/32`)

ip is an IP address in dot-decimal notation (ex. '127.0.0.1') or in CIDR notation (ex. '127.0.0.1/32')

range is an IP address range in dot-decimal notation (ex. '192.168.0.0 - 192.168.0.255' or '192.168.0.0 + 255') or in CIDR notation (ex. '192.168.0.0/24')

hostname is the name of a host (ex. 'itms.acme.org')

Bear in mind that `/httpd-trust` does not have to include the hostname part of those URIs that are set up in `/server` because they are tacitly included. The following is an example; both configurations are equal.

```
/httpd-trust='127.0.0.1/32,itms.acme.org'
/server='http://itms.acme.org/glpi/plugins/fusioninventory/'
/httpd-trust='127.0.0.1/32'
/server='http://itms.acme.org/glpi/plugins/fusioninventory/'
```

/local=*pathname* Writes the results of tasks execution into the given directory. (By default: ")

You must indicate an absolute pathname or an empty string. If you indicate an empty string ("), the default value, the results of tasks execution will not be written locally.

You can use the /local and `/server` options simultaneously.

This option will be deprecated in the next FIAWI v2.4.0

/logfile=*filename* Writes log messages into the file *filename*. (By default: `C:\Program Files\FusionInventory-Agent\fusioninventory-agent.log`)

You must indicate a full path in *filename*. The `/local` option comes into play only if you have also indicated `File` as a value of the `/logger` option.

/logfile-maxsize=*size* Sets the maximum size of `logfile` to *size*. (By default: `16`)

size is expressed in MBytes.

/logger=*backend*[,*backend*] Sets the logger backends. (By default: `File`)

backend can be any of the following values:

> `File` Sends the log messages to a file (see `/logfile`)
> `Stderr` Sends the log messages to the console

/no-category=*category*[,*category*[...]] Do not inventory the indicated categories of elements. (By default: ")

category can be any of the following values:

> `Battery` Batteries
> `Controller` Motherboard controllers
> `CPU` Processors
> `Drive` Unit drives
> `Environment` Environment variables
> `Input` Input devices (*keyboard*, *mouse*, *smart card reader*, *fingerprint scanner*, etc.)
> `License` Software licenses
> `Local_Group` User's local groups
> `Local_User` Local users
> `LVM` Logic Volume Manager (has no effect on Microsoft Windows systems)
> `Memory` Memory modules
> `Modem` Modem devices
> `Monitor` Monitors
> `Network` Network devices
> `Printer` Printers
> `Process` System processes (has no effect on Microsoft Windows systems)
> `Slot` Slots

> **Software** Software
> **Sound** Sound subsystem
> **Storage** Storage subsystem
> **USB** USB devices
> **User** Users
> **Video** Video devices
> **VirtualMachine** Virtual machines

If you indicate an empty string ("), the default value, all categories of elements will be inventoried.

/no-html This option is the opposite of **/html**. See **/html** for more information.

> *This option will be deprecated in the next FIAWI v2.4.0*

/no-httpd Disables the embedded web server. (By default: **No**)

/no-p2p Do not use peer to peer to download files. (By default: **No**)

/no-scan-homedirs This option is the opposite of **/scan-homedirs**. See **/scan-homedirs** for more information.

/no-scan-profiles This option is the opposite of **/scan-profiles**. See **/scan-profiles** for more information.

/no-ssl-check Do not check server certificate. (By default: **No**)

/no-task=*task*[,*task*[...]] Disables the given tasks. (By default: ")

task can be any of the following values:

> **Deploy** Deploy task
> **ESX** ESX task
> **Inventory** Inventory task
> **NetDiscovery** Network discovery task
> **NetInventory** Network inventory task
> **WakeOnLan** Wake on LAN task

If you indicate an empty string ("), the default value, all tasks will be executed.

/p2p This option is the opposite of **/no-p2p**. See **/no-p2p** for more information.

/password=*password* Uses *password* as password for server authentication. (By default: ")

The **/password** option comes into play only if you have also indicated a value for the **/server** option.

/proxy=*URI* Uses *URI* as HTTP/S proxy server. (By default: ")

/scan-homedirs Allows the agent to scan home directories for virtual machines. (By default: **No**)

/scan-profiles Allows the agent to scan user profiles for software. (By default: **No**)

/server=*URI*[,*URI*[...]] Sends results of tasks execution to given servers. (By default: ")

If you indicate an empty string ("), the default value, the results of tasks execution will not be written remotely.

You can use the **/server** and **/local** options simultaneously.

/ssl-check This option is the opposite of **/no-ssl-check**. See **/no-ssl-check** for more information.

/tag=*tag* Marks the computer with the tag *tag* . (By default: ")

/timeout=*timeout* Sets the limit time (in seconds) to connect with the server. (By default: **180**)

The **/timeout** option comes into play only if you have also indicated a value for the **/server** option.

timeout is expressed in MBytes.

/user=*user* Uses *user* as user for server authentication. (By default: ")

The **/user** option comes into play only if you have also indicated a value for the **/server** option.

Graphic user interface

ToDo

The *FusionInventory Agent* configuration

This section describes where the FusionInventory Agent Windows Installer stores the FusionInventory Agent configuration and how to it is possible to change it.

ToDo

Version

This help is current for version 2.2.9903 of FusionInventory Agent's installer for Microsoft Windows.

Reporting bugs

User Mailing List

http://lists.alioth.debian.org/mailman/listinfo/fusioninventory-user

Devel Mailing List

http://lists.alioth.debian.org/mailman/listinfo/fusioninventory-devel

Project Manager

http://forge.fusioninventory.org/projects/fusioninventory-agent-windows-installer

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See also

FusionInventory Web Site