

IVCAD Suite Hardware Key Generator

Installation and Configuration Guide

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Changelog

1.0.0 - 2025/02/14

- Initial release

Introduction

This tool generates the ID of the current machine to use the IVCAD Suite software in offline mode.

Prerequisites

Software

This tool is compatible with **Windows** and **Linux** operating systems.

Windows compatibility

On Windows, **Windows 7** or newer is required, with the latest updates installed.

Linux compatibility

On Linux, your system must be shipped with **GLIBC v2.17** or newer. Any recent version of Debian 9+ or Red Hat 7+ should be compatible (or any distribution derived from these products like CentOS, AlmaLinux, Fedora, Ubuntu, etc.).

Tested distributions :

- CentOS 7.x
- AlmaLinux 8.x
- AlmaLinux 9.x
- Ubuntu 22.04.x

Not tested but should work :

- Red Hat 7.x (ABI compatible with CentOS 7.x)
- Red Hat 8.x (ABI compatible with AlmaLinux 8.x)
- Red Hat 9.x (ABI compatible with AlmaLinux 9.x)
- Ubuntu 16.04.x
- Ubuntu 18.04.x
- Ubuntu 20.04.x
- Ubuntu 24.04.x

How to use it

Just run the executable (`amhwinfo.exe` on Windows and `amhwinfo` on Linux), a file named "MachineID.txt" will be generated in the current working directory (where the executable is usually located). If for some reason the location is read-only, the `--outdir` command line argument can be used to set a different output directory. The ID can be also printed into the console by using the `--nofile` argument. Administrative rights are not required for this procedure.

The file contains the machine ID, formatted like this:

```
<machinename>_<machinekey>
```

For example, if your machine key is `111111-111111-111111-111111-111111` and you computer name is `MYCOMPUTER`, you will have:

```
MYCOMPUTER_111111-111111-111111-111111-111111
```

Once generated, send the generated file to your Dassault Systèmes sales contact.

Important notice

Some USB docking stations may cause two different machine keys to be generated for your machine, so do the test with and without your USB docking station. If you see a difference, please send us a machine ID formatted like this:

```
<machinename>_<machinekey1>_<machinekey2>
```

If for example, the two produced keys are `111111-111111-111111-111111-111111` (without dock) and `222222-222222-222222-222222-222222` (with dock), and you computer name is `MYCOMPUTER`:

```
MYCOMPUTER_111111-111111-111111-111111-111111_222222-222222-222222-222222-222222
```

Command line arguments

Basic arguments:

Argument	Description
<code>--help</code> or <code>-h</code>	Displays all arguments into console and exits.
<code>--version</code> or <code>-v</code>	Displays the server version into console and exits. It can be used with <code>--noheader</code> if an external script needs to check the server version for example.
<code>--noheader</code> or <code>-nh</code>	The header is not displayed (application name, version and details and copyright).
<code>--pause</code> or <code>-p</code>	Pauses the execution once the job is done (it waits for a key press).

Keys generation arguments:

Argument	Description
<code>--machine-id</code> or <code>-mid</code>	Generates the ID of this machine and exits (default action, not required in fact).

Except if `--nofile` is specified, generated keys and IDs will be stored inside a file, see `--outdir` and `--outfile` arguments.

Output management arguments:

Argument	Description
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Argument	Description
<code>--outdir <directory></code> or <code>-d <directory></code>	The output directory for generated files, or the working directory if missing.
<code>--outfile <name></code> or <code>-f <name></code>	The output file name, or the default name if missing.
<code>--nofile</code> or <code>-nf</code>	Disables the file generation, content is printed into console. It can be used with <code>--noheader</code> if content must be parsed by an external script for example.