

KMSnano by Heldigard

***Important:** If you like Microsoft Windows and Microsoft Office I recommend that you buy legal and original versions. This program is only provided to help you test these products.
Ja mata ne, Farewell, Hejdå, Ciao, Aloha, Zegnaj, Doei*

KMSnano is a portable Key Management Service (KMS) Host for Windows (client) 6.0, 6.1, and 6.2, and for Office 14 and 15. It uses a virtual machine that runs within Windows and activates Volume License versions of Windows (client) and Office for 180 days.

It can be used to Activate Windows Vista/7/8 Pro/Enterprise/N/VL and Office 2010/2013 Retail/VL. Note that the program also activate Visio and Project 2013.

Program is based off of Ratiborus's KMSmicro v3.10.

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KMSnano Usage & FAQ

KMSnano Setup (V24+)

Starting with Version 21 and above the KMSnano is distributed with an installer¹ / uninstaller.

Install creates a KMSnano directory in the system file. It also adds the following links to the KMSnano start menu: **Check**, **KMSnano**, **Log**, and **Uninstall**.

Beware that during the setup the **TriggerKMS** program is automatically called with the following parameters:

```
TriggerKMS 31 Kmsnano.exe /install /battery
```



This will immediately start the activation process if necessary as well as add an entry in the Task Scheduler (see [TriggerKMS Usage & FAQ](#) section).

Standard Usage

KMSnano is extremely simple to use:

- Just start the KMSnano program by using the KMSnano link and wait for activation process to finish. This will activate or re-activate Windows and/or Office products for 180 days.

The following links are added to the KMSnano start menu (V24+):

- **Check:** Displays activation status in a window.
- **KMSnano:** Starts KMSELDI with the right parameters in order to activate products.
- **Log:** Displays the KMSnano log file in a command prompt window.
- **Uninstall:** Uninstall KMSnano

Notes:

- A log file, named **KmsNano.log**, is written in the installation directory during execution. It is possible to see its content by using the **Log** link in the KMSnano start menu.
- A directory, called TokensBackup_<date>, is created in the installation directory and a backup of the activation tokens is placed inside.
- The activation process can sometimes take a lot of times especially when Retail to Volume conversions are involved. Starting with V22.1 and above the program plays a sound when the activation process is completed.

My advices:

- Also the program can be used to activate Windows Vista and 7 and do not see any good reason to do so as the Loader from DAZ does a much better job using SLIC and activate Windows permanently.
- The program can be used on Retail versions. In that case the Retail versions are first converted to Volume versions. But beware that the process is somewhat slow and sometimes prone to problems with specific languages. It is therefore recommended to use Volume versions of Office and/or Windows whenever possible.

¹ Version 24 asks for a password during setup. This password is provided in the ReadMe KMSnano.txt file

Custom Usage

Should you run into trouble or if you want to have more control over the activation process you can directly use the scripts provided in the installation directory.

From the installation directory you can:

- Run the “**manual.cmd**” script. This starts the KMS GUI ELDI windows that spawn several processes including the QEMU emulator. Select what you want to activate from the GUI and click the big red button to start activation. For more information refer to the [KMS GUI ELDI Usage & FAQ](#) section.
- You can edit the KMSELDI line in “manual.cmd” script to change or add parameters. KMSELDI parameters are detailed in the [KMS GUI ELDI Usage & FAQ](#) section. For example you can add the **/noWin** parameter to bypass Windows activation.
- You can also run manually the different components. For example you can execute the “00-Start_Qemu_Manual.cmd” script to start the KMS server (on address:port 127.0.0.1:1688) and allow QEMU to communicate over the network. Then you can start the **KMSELDI.exe** program to activate Windows and/or Office against the KMS server. In the ELDI GUI enter the IP address 127.0.0.1 and port 1688, select the components you want to activate and click the big red button. At the end of the activation the ELDI GUI will close and you will have to close the QEMU emulator window.

For more information about the usage and parameters of **KMSELDI.exe** program see the [KMS GUI ELDI Usage & FAQ section](#).

Permanent Activation

If you want to automatically re-activate Windows and/or Office you can use the **TriggerKMS.exe** program detailed in the [TriggerKMS Usage & FAQ](#) section or just add an adequate entry in the Task Scheduler. For example you can execute in an administrative command prompt:

```
TriggerKMS 30 KMSnano.exe /install
```

This adds an entry in the Task Scheduler so that each time the user login the **TriggerKMS** program checks if the grace period falls below 30 days and if that the case the **KMSnano** program is started to re-activate Windows and/or Office for 180 days.

KMSnano FAQ

- **Q: Does it needs Internet Connection?**
A: No, It works with the local time and date.
- **Q: Will it broke my Retail activation of Windows or Office?**
A: No, as soon the application detect the RETAIL flag in Windows 7/8 and/or Office 2010/2013 it will skip the process.
- **Q: Will it work on a Windows or Office with the Grace Time expired?**
A: Yes.
- **Q: How much RAM memory I need?**
A: It has a method of RAM detections of the machine and divide that amount by 2 and use that amount, if you have problem with allocation of memory, the unzip the KMSnano.exe modified the 00-Start_Qemu.cmd, change the amount of memory and when run successful the Qemu, use the Manual.cmd script.

▪ **Q: What KMSnano program really does?**

A: Good question:

0. Run Qemu.
1. Detect Windows 7/8 Enterprise/Pro/N version's type. Automatically convert non activated Windows Retail version to Volume.
2. Detect Office 2013/2010 version's type. Automatically convert non activated supported Office Retail versions to Volume.
3. Set KMS server address to the registry.
4. Try to activate using slmgr.vbs and/or ospp.vbs (simultaneous requests with new KMS Client). Automatically skip permanently activated Windows Retail versions and automatically skip permanently activated Retail Office versions.
5. Check errors, take necessary corrective actions, and retry activation several times.
6. Clear KMS server address.
7. Close Qemu.

▪ **Q: How to schedule auto-re-activation?**

A: You can trigger auto-activation by using /install option of TriggerKMS (see [TriggerKMS Usage & FAQ](#) section)

▪ **Q: What are the requirements to run programs**

A: You either need to be running on Windows 8 or you need to have the **.Net Framework 4.0** installed

▪ **Q: Determining Which Version of the .NET Framework Is Installed**

A: To see which versions are installed, view the %WINDIR%\Microsoft.NET\Framework directory. You should also view the Framework64 directory on a 64-bit computer.

▪ **Q: Why every day a new version come out?**

A: Because people report bugs of special cases, mostly no fresh installs of Windows. Other times people make good suggestions. Other times just improvements.

▪ **Q: Any Recommendations?**

- Disable smart screen.
- Make exceptions to KMSnano.exe in Antivirus.

KMSnano Recent Change log

- V24
 - Setup Encrypted (because there is fakes KMSnano in the net)
 - Runs unzipped.
 - Possible work with Vista and XP (beta)
- V23
 - **Fake version released on Internet do not use**
- V22.1
 - Fixed autocharged.
 - Fixed minor bugs with O2010.
 - Faster.
- V22
 - Fixed known bugs.
- V21
 - Install and Uninstall version.
- V20.1
 - Fixed bug with permanent activated windows.
 - Improved detection of Retail version.
 - Add UpDown8 v1.3.exe for Evaluation Trial Windows 8 Enterprise.
- V20
 - Fixed bug with Retail Visio 2013.

- Add /music and /backup arguments to KMSELDI v12
- Improved Retail conversion.
- V19.1
 - Complete support for Office2013 in W7.
- V19
 - Faster conversion from Retail to VL.
 - Avoid OEM Windows's editions.
- V18
 - Code Remaked looking fix logical bugs.
- V17
 - Faster Activation.
 - Detect Windows 8 - 90 Day Trial Evaluation Edition.
 - In Windows 8 Evaluation automatic delete the key for unlimited evaluation period.
 - Minor code improved.
- V16.1
 - Fixed activation of Office 2013 in Non Entr/Pro Windows.
 - Smart detection of Qemu running for allocation memory error.
 - Add TriggerKMS v9.1
- V16
 - Detect Office 2013 in W7.
 - Fixed Conversion from Retail Office 2013 to Volume License.
 - Add TriggerKMS v9.
- V15.1
 - Detect Office 2013 Grace Edition.
 - Fixed bug when Firewall service is off.
 - Add TriggerKMS v8.
- V15
 - Optimized for W7 and Office 2010 with KMSELDI v8.
 - Automatic convert non activated support Windows versions to VL.
 - Automatic skip permanent activated Windows versions.
 - Automatic convert non activated support Office versions to VL.
 - Automatic skip permanent activated Office versions.
 - New KMS Client with simultaneous request.
 - Add TriggerKMS v7: Support W7 and Office 2010.
 - Clear KMS server name after installation.
- V14
 - Faster for Windows 8 and Office 2013 in Windows 8 with KMSELDI v7
 - New KMS Client
 - Faster Auto Charging in Qemu.
 - Add TriggerKMS v5.1
- V13
 - Lot of Code remake in KMSELDI v6
 - Add TriggerKMS v2
- V12.1
 - Fixed known bugs at this moment
 - Add /noWin, /no2010 and /no2013 arguments to KMSELDI.exe (run KMSELDI.exe /? for help)

TriggerKMS Usage & FAQ

TriggerKMS.exe checks the remaining grace days in Windows 7/8 and/or Office 2010/2013 and run KMSnano (or any other activator specified) if this value drop below a specified threshold.

The TriggerKMS syntax:

```
TriggerKMS.exe [minDays Activator [/install [/battery]]] [/log] [/pause]
```

Where [arg] notation denote an optional argument that should be typed as arg

Arguments description:

- The **minDays** and **Activator** arguments must be specified together. If remaining days of Windows and/or Office grace period falls below **minDays** the **Activator** program is run. Typically Activator argument is set to **KMSnano.exe**.
- **/install** adds an entry to the Task Scheduler. This option must always be specified along with the **minDays** and **Activator** arguments as these values are recorded in the Task Scheduler entry. Each time a new user's session is started (logon) the **TriggerKMS.exe** is run with the specified **minDays** and **Activator** arguments. To uninstall you must delete the TriggerKMS entry in the Task Scheduler this can be done using the **Uninstall Trigger.cmd** script. Once this entry has been added to the Task Scheduler the directory that contains TriggerKMS.exe and KMSnano.exe should not be moved because the path is recorded in the entry. Using this option allows to **auto-re-activate** Windows and Office products when the grace period drop below the **minDays** value.
- **/battery** is used to remove (although should probably be the opposite) the power supply condition that tells the task to run only if the computer is AC powered when the user's session is started.
- **/pause** will open a Window that displays activation information about Windows and all Office products installed. This option can be used alone.
- **/log** store execution information in **%temp%/TriggerKMS.log** file. This option can be used alone to store the product activation information.

Note: The **/battery** option is **counterintuitive**. If you do not specify this option the TriggerKMS program is executed only if the computer is not running on battery. If you specify the option the TriggerKMS program is always executed! I recommend not to use this option ☺

Typical usage:

```
TriggerKMS 20 KMSnano.exe /log
```

Run KMSnano.exe if grace period is less than 20 days write results in log file.

```
TriggerKMS 30 KMSnano.exe /install
```

Run KMSnano.exe if grace period is less than 30 days. This will also add an entry in the Task Scheduler so that each time the user login the **TriggerKMS** program will check if the grace period falls below 30 days. In which case the **KMSnano** program will be started to re-activate Windows and/or Office for 180 days.

```
TriggerKMS /pause
```

Display activation information about Windows and all Office products.

Permanent re-activation

As explained above the **/install** option of the TriggerKMS program adds an entry in the Task Scheduler which is executed each time the user logon to the system. Using the command:

```
TriggerKMS 30 KMSnano.exe /install
```

Will start the TriggerKMS program at each logon that checks that at least 30 days of grace period remains for KMS activated Windows & Office products. When the grace period falls below the specified 30 days the TriggerKMS program will execute KMSnano to reactivate Windows and Office products for 180 days. To uninstall use the **Uninstall Trigger.cmd** script.

KMS GUI ELDI Usage & FAQ

This is a tool that automates activation against any KMS host.

The KMSELDI syntax:

```
KMSELDI [/qemu] [/silent] [/wretail] [/log] [noWin] [/no2013] [/no2010] [/backup]
[/music] [/?]
```

Where **[arg]** notation denote an optional argument that should be typed as **arg**

Line arguments description:

- **/qemu**: Run qemu-system-i386.exe
- **/silent**: Run in Silent mode
- **/wretail**: Convert Retail Windows 8 to VL
- **/log**: Create a log in %temp% directory
- **/noWin**: Skip Windows activation
- **/no2013**: Skip Office 2013 activation
- **/no2010**: Skip Office 2010 activation
- **/backup**: Takes a backup of activation tokens and save them in C:\TokensBackup
- **/music**: play music while KMSELDI terminates.
- **/?**: Display help information in a window.

The KMSELDI GUI

- IP: enter here the IP of the KMS server, or
- Name: the name of the server
- Port: Port to use on the KMS server
- Windows: check if you want to activate
- Office 2013: check if you want to activate
- Office 2010: check if you want to activate

The status window at the bottom display information from the programs spawned by KMSELDI.

At startup the program detects features that can be activated and non-present feature are greyed. For example this picture shows that Office 2010 is not installed and therefore it is not possible to check this option for activation.

Once you have specified the parameters you must push the red EL button to start the activation process. This will start the QEMU emulator and activates the products against the KMS server specified in the IP/Port entries.

