How to add Zenon 12 import to Nimbus

Zenon is able to send alarms to Nimbus using a Generic Text File using an Add-In.

The Add-In is written in Visual Studio 2022 and .NET 4.8, where source codes are available if any changes are needed. It is however also compiled and ready to use as is.

Download it from here: Zenon Add-In to Nimbus

The ZIP-file is encypted and the password is zenon

Copy the Zenon Add-In folder to C:\Program Files (x86)\TroSoft\Nimbus Alarm Server 3 (Admin privilgies are required). There is also a Zenon Add-In Source folder in the ZIP-file, it contains the source files for the Add-In and is not needed to use and run the Add-In.

Select the node *Add-Ins* in the *Programming Interfaces* in the Workspace. Select the *Import Add-In* icon and browse the *NimbusExport.scadaAddIn* file from the newly copied folder.

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Now create service engine files and start the service engine. If the Zenon runtime is remote, ensure the add-in cache is included in the copied files (should be default).

Now generate some alarm(s).

The Add-In should now create a *Zenon* folder located in the Nimbus project-folder and place a textfile named *Alarm.txt* there. The location is *C*:*ProgramData**TroSoft**Nimbus Alarm Server 3**Project**Zenon*



The file contains the alarm event(s). When configured properly (next step) Nimbus will rename the file (to ensure the Add-In is not writing in it) and if that succeeds it will import the file and then remove it.

Now it's time to configure Nimbus

Start *Nimbus Explorer* (right click and '*Run as Administrator*') from the start button menu or desktop shortcut. Actually *Nimbus Explorer* should always be run as *Administrator* by selecting this option in the shortcut.



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Select/enter the file to import	×
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Name	Date modified
Alarm.txt	2023-12-12 16:01
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File name: Alarm.txt	Open
Files of type: All (*.*)	Cancel

Now browse the newly created *Alarm.txt* file. Ensure the file path (*File to scan*) is pointing correctly when finished. If not it could be manually changed.

It is important no other file is selected as it will be deleted by Nimbus!

When you now start Nimbus Alarm Server it will by default delete the file, because it contains only old alarm events.

Now start the service engine again. Generate some alarm(s).

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The alarm(s) should appear in *Nimbus Explorer*. Doubleclick an alarm to see its properties.

What if I want to change imported fields etc?

Well, then the Add-In source codes are also in the ZIP-file. This will require *Visual Studio 2022* (and the Framework C# development to be selected) and also the *Scada.DeveloperTools2022.vsix* add-on.

This is however out of scope for this document, please have a look at the Zenon / COPA-DATA site.