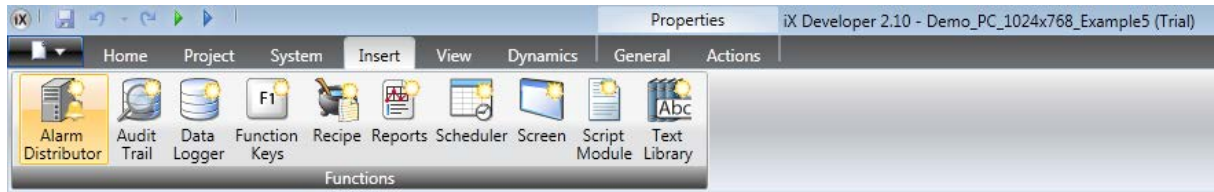# How to add Beijer iX HMI import to Nimbus

Beijer iX devices are able to send alarm events as emails to Nimbus using the *Alarm Distributor*. This document describes how to setup *Beijer iX Developer* to send emails to Nimbus and how to configure Nimbus to receive and parse them using the built-in *SMTP* (*Simple Mail Transfer Protocol*) server.

In you *iX Developer* project select *Insert* and add the *Alarm Distributor* (if not already added in the *Functions* pane)
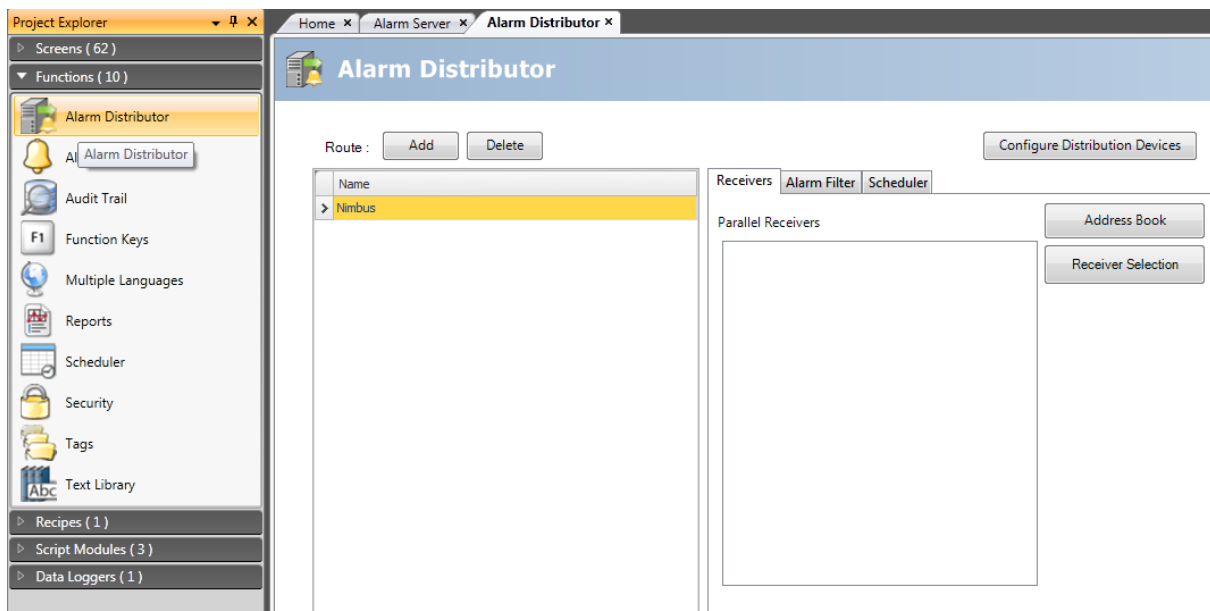
In the *Project Explorer* select the *Alarm Distributor* and add a new *Route*. Name it ex *Nimbus*
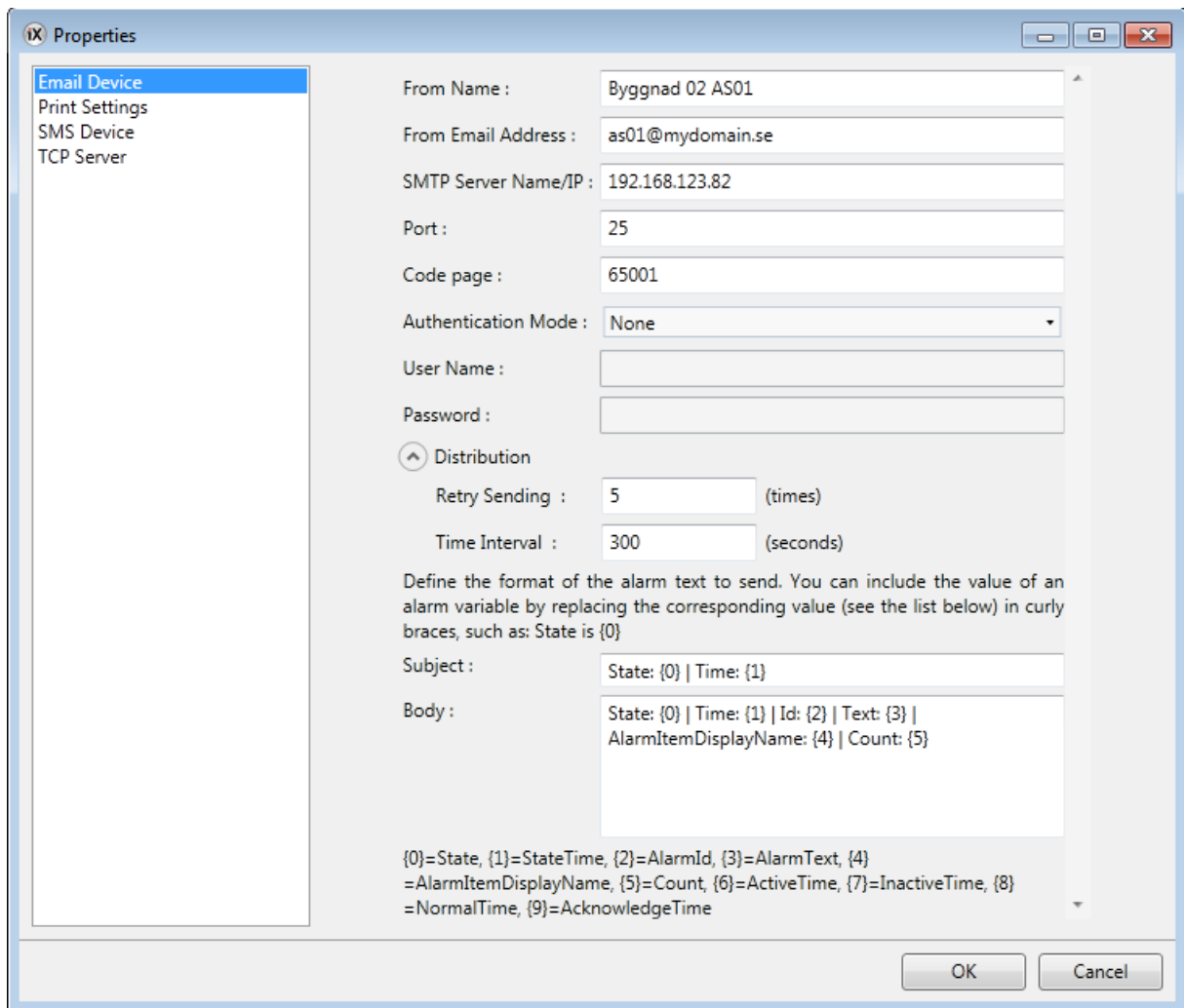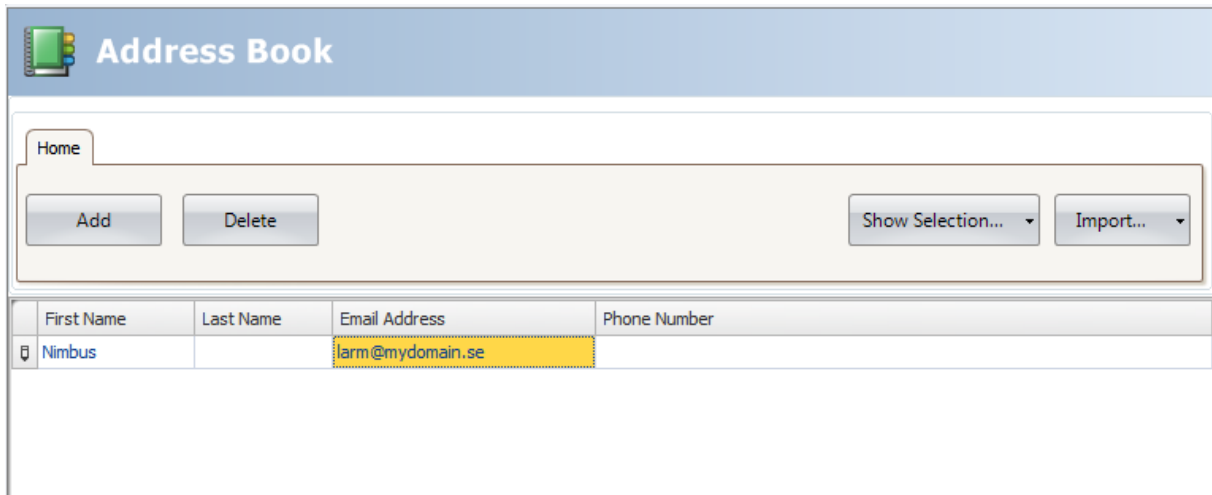
In the *Alarm Distributor* select *Configure Distribution Devices*. Fill in the *Email Device* settings as above. *Subject* and *Body* format settings above are default values. The format need to have the default format.

The *SMTP Server Name/IP* should be the IP-address (or *DNS* name) to the server running *Nimbus Alarm Server*. Port number may be changed. If changed from the default port 25 also parameter *SpecificPortForSMTP_Beijer* in *Nimbus_Server.ini* must be enabled (semicolon removed) and changed to reflect same number. Ensure the selected port number will pass through any firewalls. Port 25 is the default SMTP port and sometimes there are services running in a default Windows installation using this port number.

The *From Email Address* will by default be inserted in the *Nimbus Area field [t1]* and can be used for filtering.

Unfortunately there is no way to make a general filter for *Groups* because the *Group name* is not sent in the email. If Nimbus should distribute different alarm categories etc, you will have to add some filter to the *Alarm Tag* or *Alarm Text*, ex 'A-Alarm - Temperature is too High' and ex *use 'A-Alarm*'* as criteria in Nimbus profiles.

In the *Alarm Distributor* tab *Receivers select Address Book*. Add the Nimbus email receiver. The *Email Address* will not be used by Nimbus and has nothing to do with the Nimbus receivers.
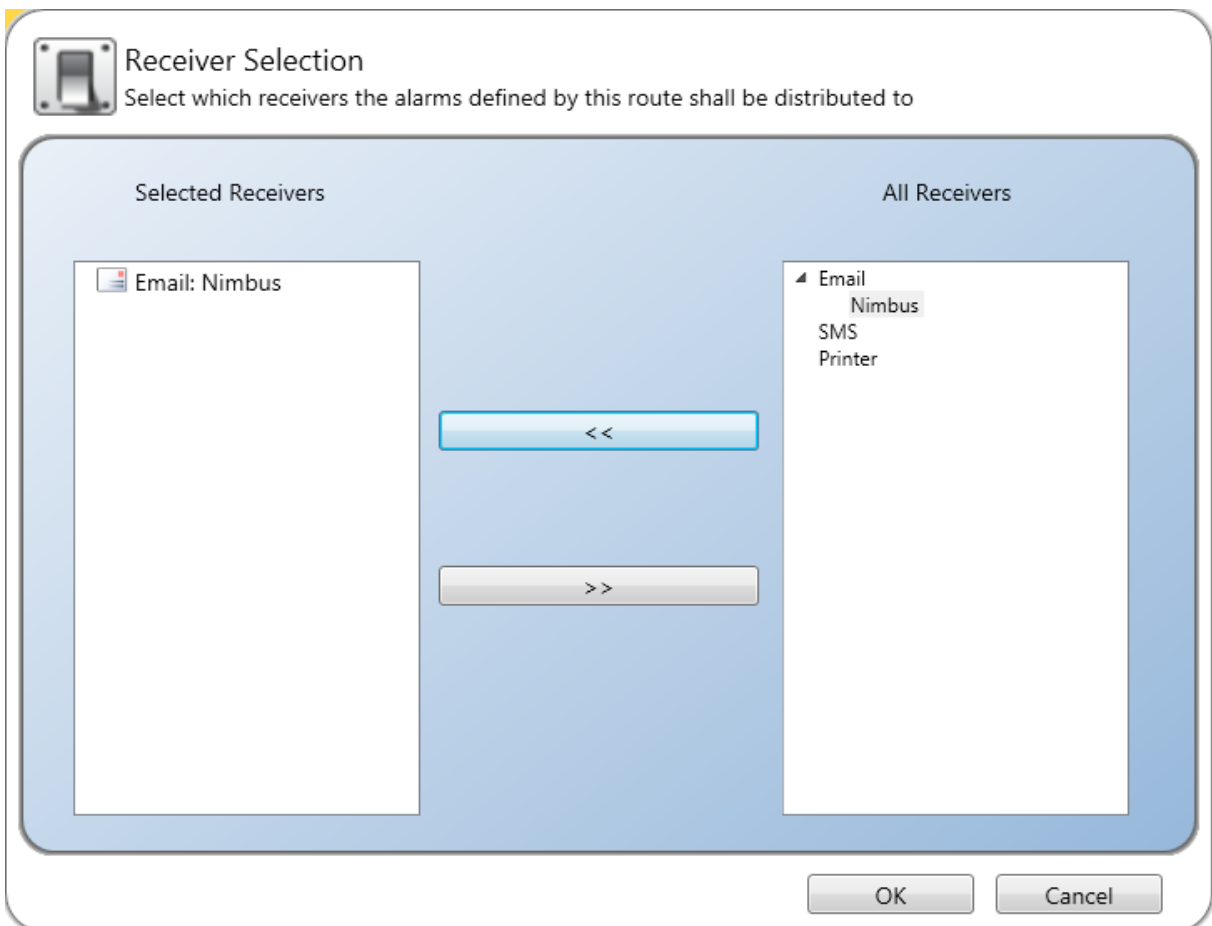
In the *Alarm Distributor* tab *Receivers* select *Receiver Selection*. Add the newly created Nimbus email receiver.

In the *Alarm Distributor* tab *Alarm Filter* select as above. If you should filter out some specific groups etc enter them here. Leave the fields blank to include all groups.
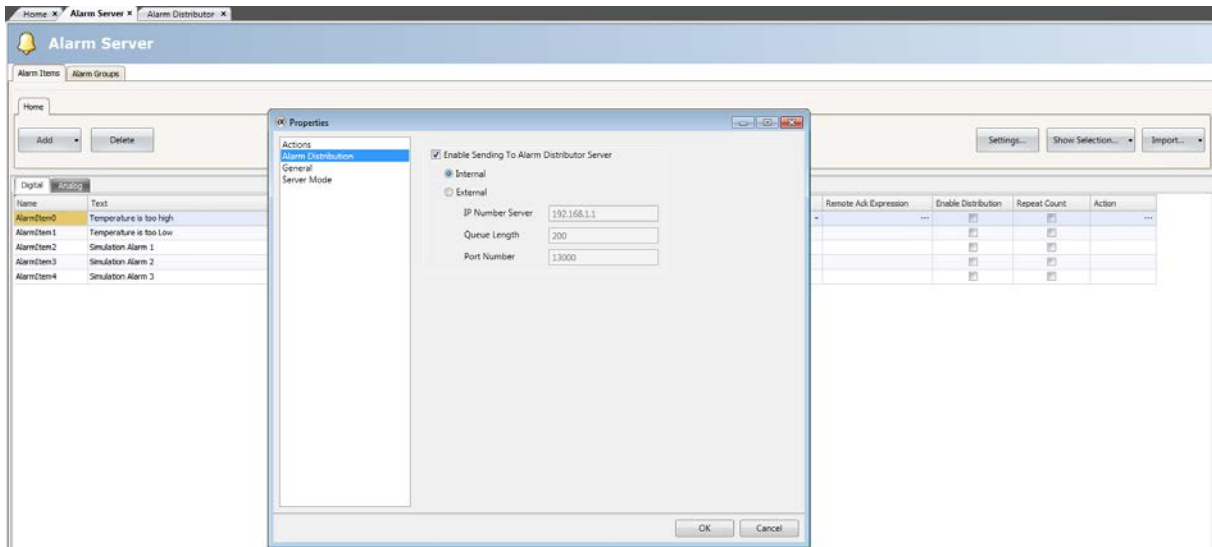

In the *Alarm Distributor* tab *Scheduler* enter as above (*Day* has no function when *Daily* is selected). The basic principle is to send all alarms 24/7 to Nimbus and setup a time filter in the *Nimbus Alarm Route Profiles*.

In the *Alarm Server* tab *Alarm Items*, select *Settings* and enable sending to the *Internal Alarm Distributor Server*.
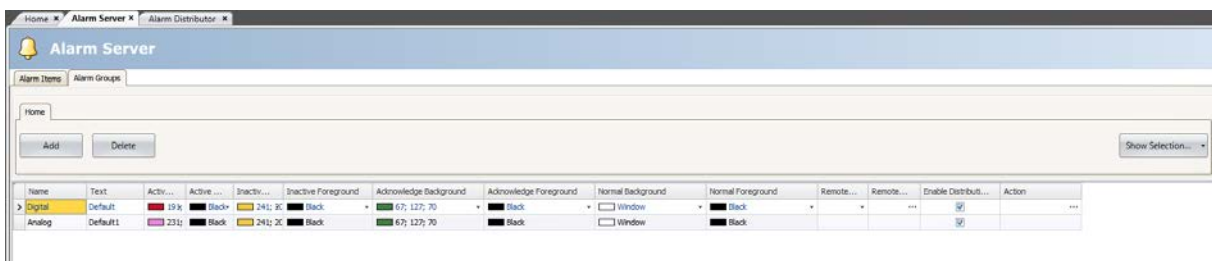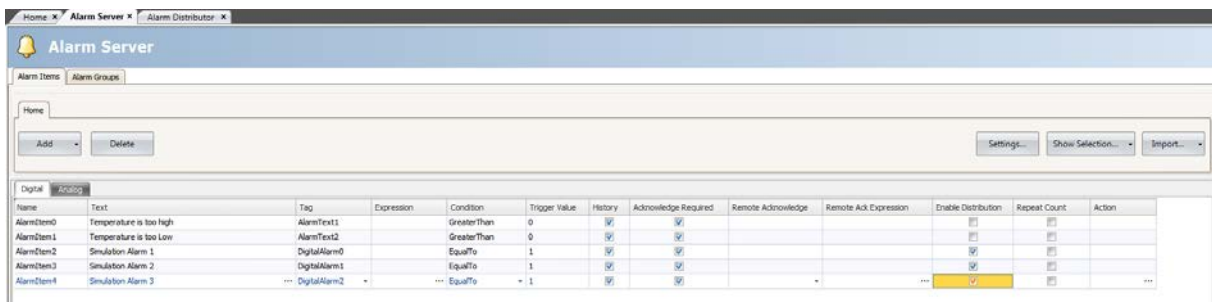
Now tick the *Enable Distribution* check box either for each alarm to be sent to Nimbus or for each group to be sent. If you tick the *Enable Distribution* check box in the *Alarm Group* you don't have to tick each alarm in that group - they will all be distributed.

How to add a the iX HMI import to Nimbus

Start *Nimbus Explorer* (right click and *'Run as Administrator'*) from the start button menu shortcut. Actually Nimbus Explorer should always be run as *Administrator* by selecting this option in the shortcut.
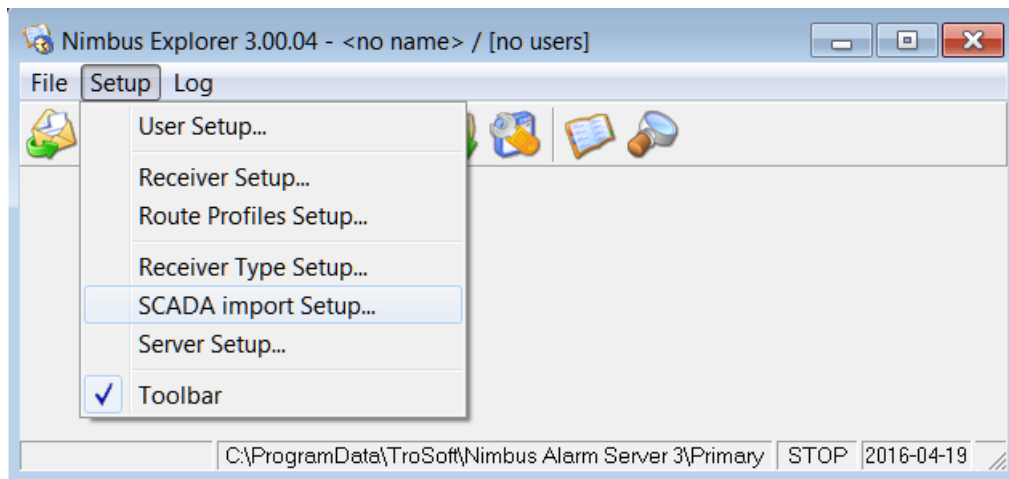
Select *Setup -> SCADA import.*

You will need to have Nimbus Alarm Server release 2.00.34 or later (this example is from *Nimbus release 3.00.04*).
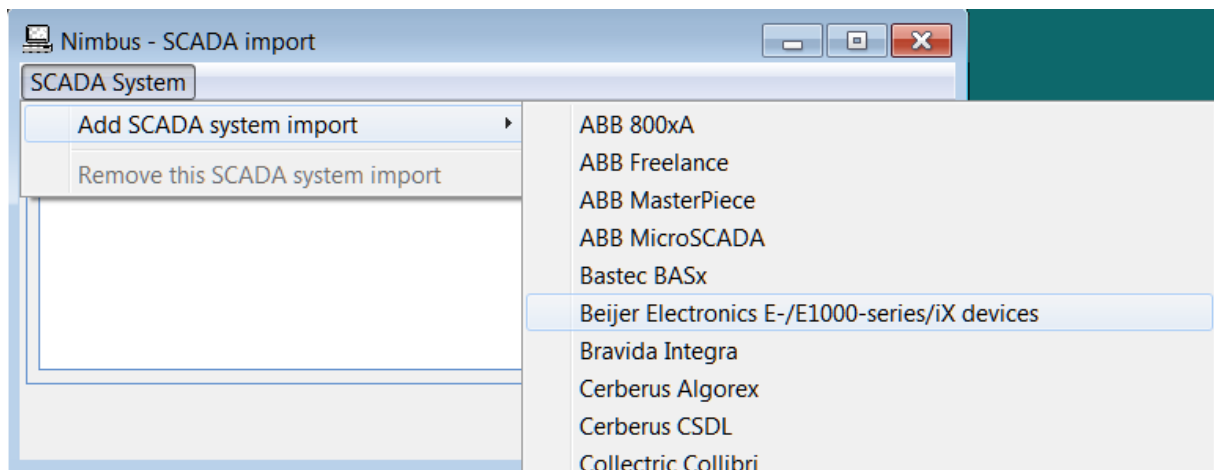
Select *SCADA System -> Add SCADA system import -> Beijer Electronics E-/E1000-series/iX devices.*

That's it. Restart *Nimbus Alarm Server* if it was already running. The Nimbus Server has a built-in SMTP server and there is no need to pass through any Exchange server etc (at least if both the iX devices and Nimbus are located at the same network)
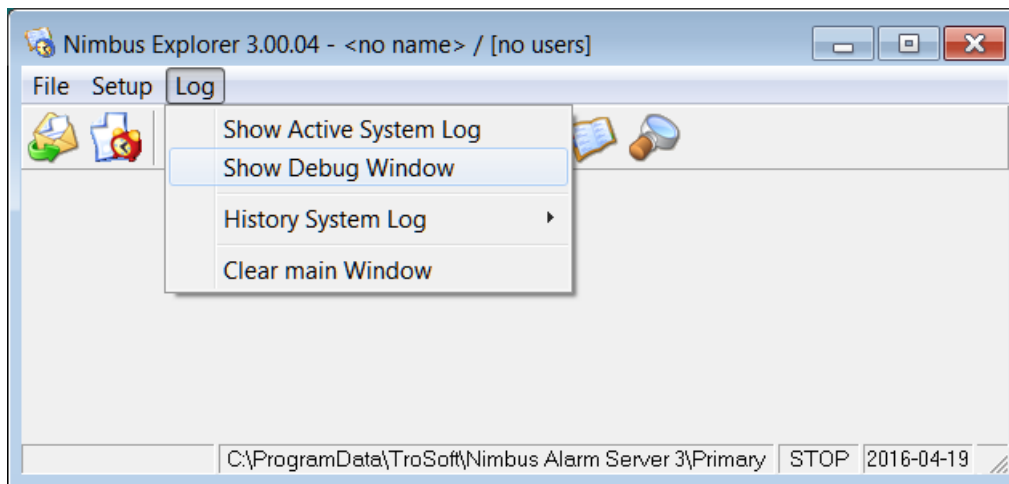
Show the debug window and try to send an alarm from iX HMI.
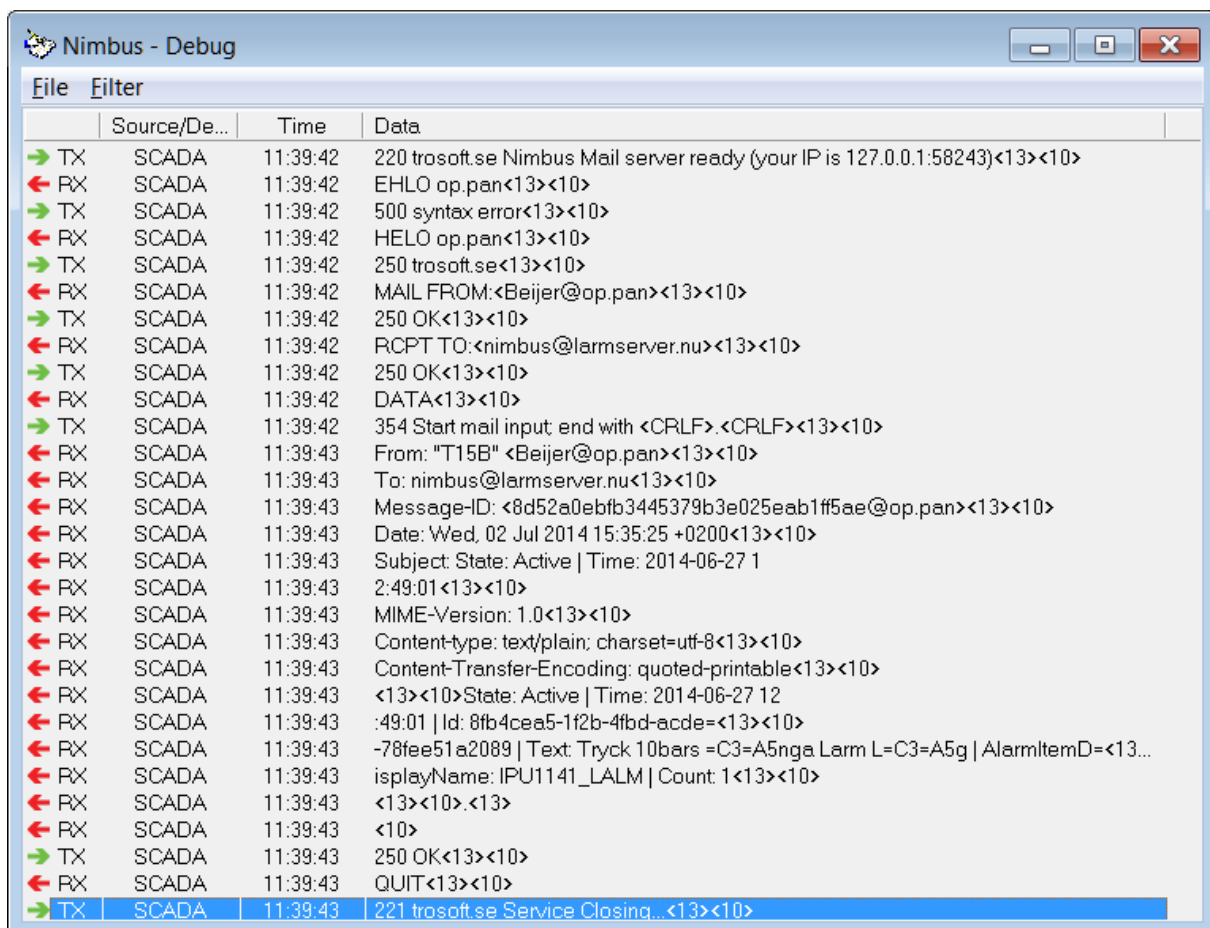
If you get some text as above then all is fine (this example is not representative for an iX)

Now create *Receivers* and *Alarm Route Profiles* as usually.

How to add some extra text from iX

| Subject : | State: {0} \| Time: {1} |
| Body : | State: {0} \| Time: {1} \| Id: {2} \| Text: {3} \| AlarmItemDisplayName: {4} \| Count: {5} \| ExtraText: Bryggargatan 25A, fläktrum plan 4 |

Nimbus could accept some extra texts from the iX EMail Body field. Open the file *Import_Beijer_Ix.imp file* in the Nimbus *..\Project\Import* folder.

Set for example field *T3=ExtraText*

Append tag *ExtraText* to the iX EMail body fie

ld (as in above example it is the address of the device)
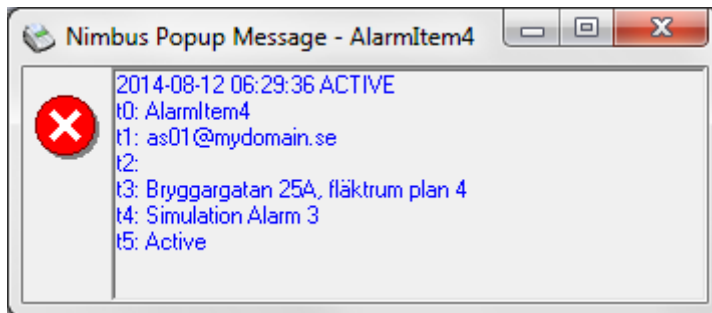
Nimbus will then parse the information into the *Name {t3}* field as above.