



Net2CountedAccess

Manual 2.1

(Oct 26, 2026)

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Principle

Each user can be set to have access to a certain area(s) for only a limited number of times. The application checks a special designated user field for the presence of a numeric value. Each time the user enters the area, the value found is reduced by one.

As soon as this value reaches zero, a special authorization is assigned to the user. This authorization can completely deny access, e. g. by granting the authorization 'No access', but it can also assign a less restrictive authorization. It is therefore not necessary to block a user completely when the maximum number of passages is reached.

As an option, you can set that the count value has to be reduced when a user leaves the area also.



Installation

The Net2CountedAccess application is installed using a single Windows Installer file.(* msi). The complete installation consists of a 'manager' application which is mainly intended for the configuration of the actual service. It can be used to start- and stop- the service also.

Since V2.0, the application is compatible with the **Net2 API interface** and no longer with the SDK interface that was dropped in Net2 v7. In order to activate the Net2 API, you can use the following manual, which also explains how to obtain a trial or regular product licence:

[Manual for setting up API compatible products](#)



Configuration

Configuring the Net2CountedAccess application must be done using the supplied 'Manager application' (Net2CountedAccess Manager). This application will show a 'splash screen' at start up and then settle in the system tray in the lower right corner of the taskbar. See Image 1.

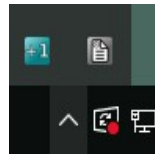


Image 1

A click with the right mouse button opens the main menu. See Image 2.

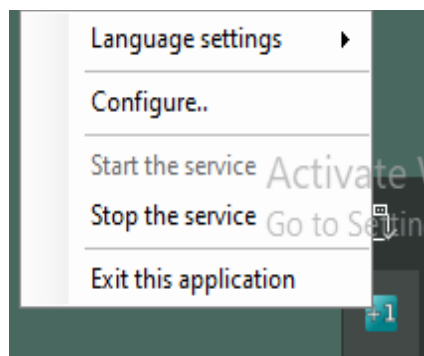


Image 2

It is possible that the application will initially show a Dutch language menu, this can be adjusted by selecting 'English' in the menu option 'Taal instellingen'.

As long as the application has not yet been configured, the menu options for starting and stopping the application, won't be active. At first, please select the menu option: 'Configure first!'.

Net2 connection

Before you can connect to Net2, make sure you have enabled & configured the Net2 API, using the manual that was referenced in Installation.

On this first configuration page, the Net2 connection can be configured.

Image 3

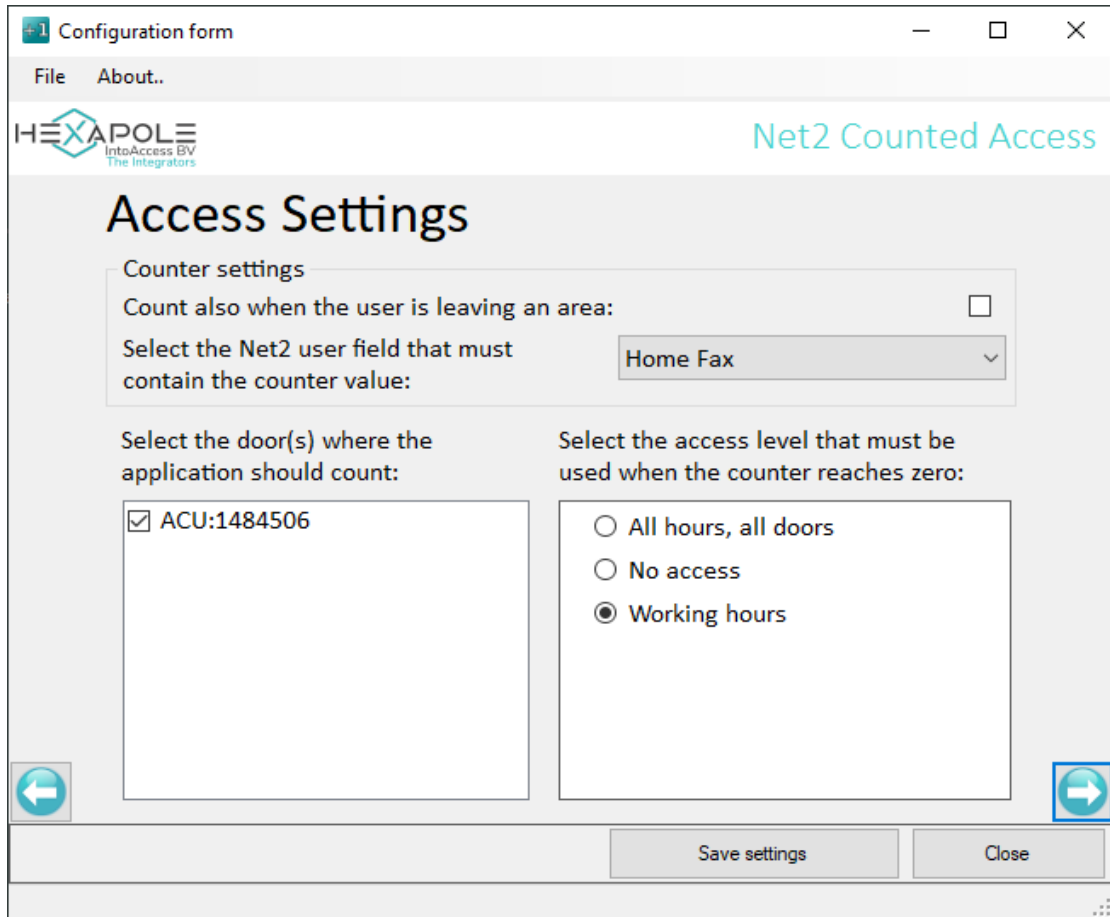
- Enter the (IP)address of the Net2 server. If you have installed the attendance tool on the Net2 server, you can use the default 'localhost' value. Do not use an external adapter ip address in this case.
- Allow the use of a self signed certificate, when during the activation of the Net2 API not explicitly a official certificate (issues by a certificate authority) was used.
- Click the Connect button; if the connection succeeds you can enter the username and password.
- Enter an operator name with which you want the application to log on. This needs to be an operator with the "System engineer" role (you will find these accounts under "Net2 operators" in the Net2 application). We advise the use the 'OEM Client', since it is not subject to MFA. If you have not enabled MFA, you can also use a another user. 'The 'OEM Client' user is present by default on every Net2 system, but you will need to assign a known password to it.
- Enter the proper password.
- Click the Sign up button.

After that, click on 'Sign on'. When this is successful, the next page 'arrow button' in the right hand bottom corner will be enabled (coloured instead of grey).



Access Settings

On this page, the settings related to the actual access control can be done.



The screenshot shows a window titled "Configuration form" with a menu bar containing "File" and "About..". The main content area has the "HEXAPOLE" logo and the text "Net2 Counted Access". The title "Access Settings" is prominently displayed. Below it, the "Counter settings" section includes a checkbox for "Count also when the user is leaving an area:" (which is unchecked), a label "Select the Net2 user field that must contain the counter value:" followed by a dropdown menu showing "Home Fax", and a list box for "Select the door(s) where the application should count:" containing a checked item "ACU:1484506". To the right, another section "Select the access level that must be used when the counter reaches zero:" contains three radio button options: "All hours, all doors", "No access", and "Working hours" (which is selected). Navigation arrows (back and forward) are located at the bottom left and right of the form area. At the bottom right, there are "Save settings" and "Close" buttons.

Image 4

- First, you can specify whether the application should also count when leaving a room. The application regards a passage that is done via the 2nd reader as a passage to 'outside'.
- Select the user field that must contain the 'count value'. The application will check at each passage whether the selected field contains a numeric value. The application will adjust the counter, when this is the case only. The current value of the counting field may be adjusted manually at any time. See Image 5.
- The Net2 'name' of the 'count field' can be altered via: 'Options->Personal settings'. See Image 6.
- Doors can be selected which gives access to the area/rooms for which the number of allowed access must be regulated. The application will therefore only count at these selected doors.
- All existing Net2 authorizations are shown. The selected authorization will be assigned to a user when the maximum number of passages is reached.



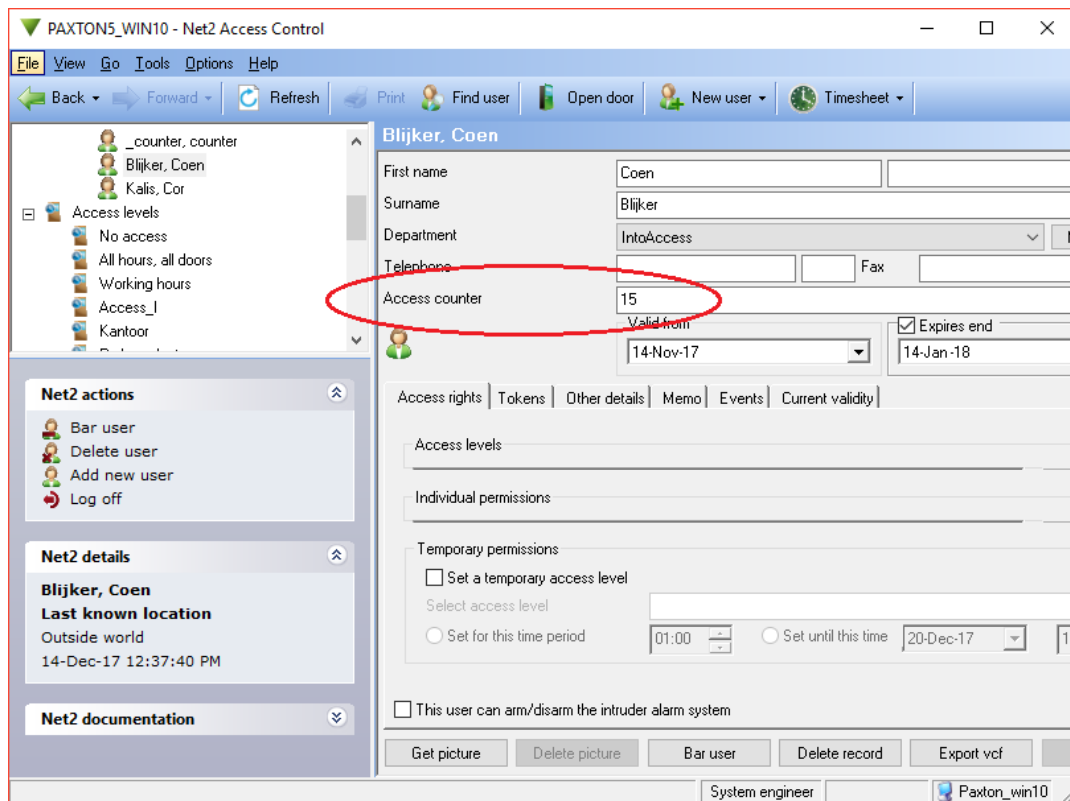


Image 5

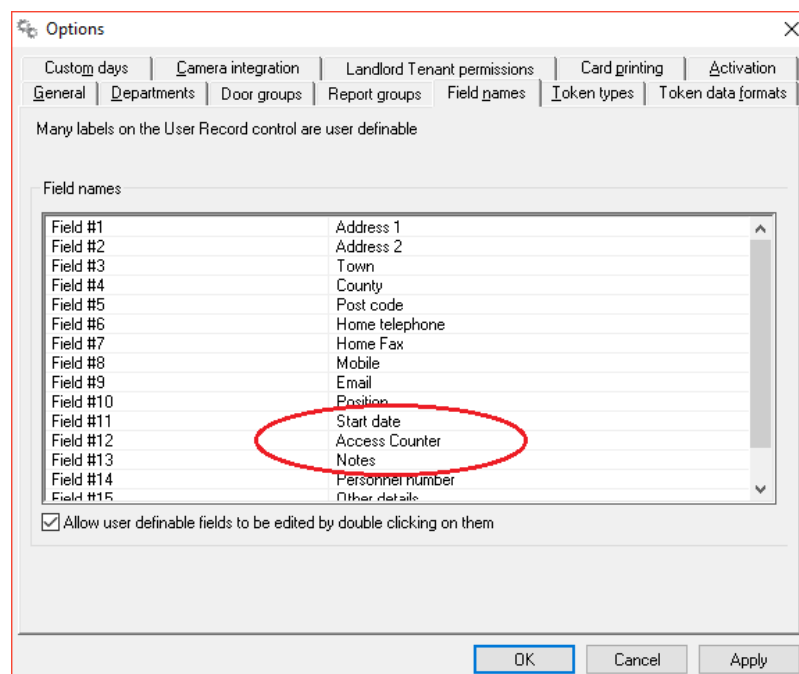


Image 6



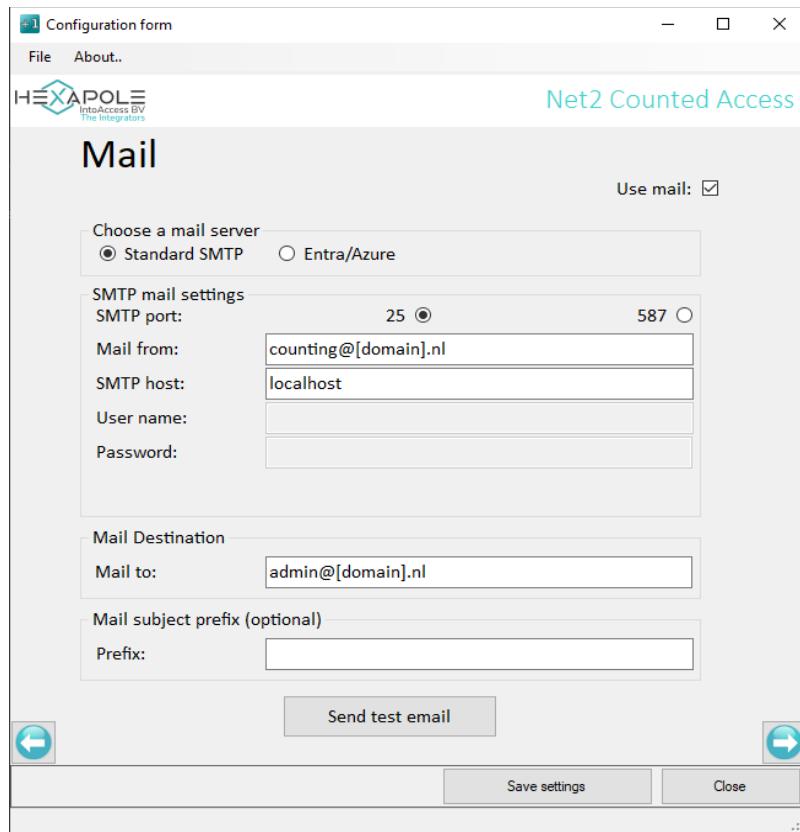
Email Settings

The email configuration is optional and offers the possibility to send application messages to anyone that needs to take action if the system malfunctions.

Standard SMTP

The SMTP settings allow you to configure which SMTP server and port to use. If you select port 587, authenticated SMTP is also possible by supplying credentials. You may consider using a (free) web mail provider like Gmail, but note that such providers make it increasingly harder (of even impossible) to use SMTP via their servers.

SMTPTS (port 465) is not supported.



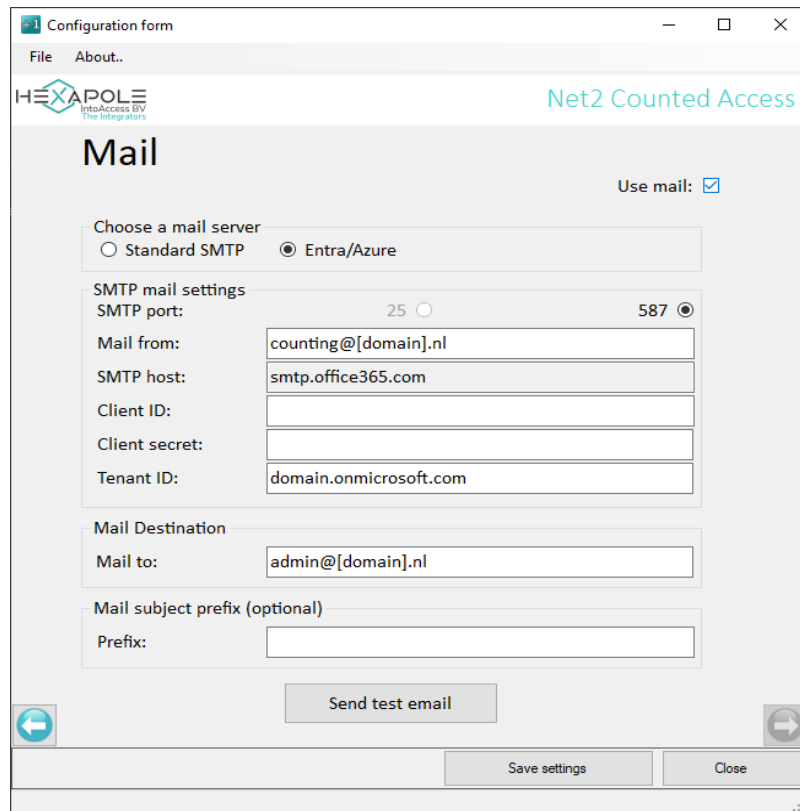
The screenshot shows a web-based configuration form titled "Configuration form" with a menu bar containing "File" and "About..". The main header area displays the "HEXAPOLE" logo and the text "Net2 Counted Access". The form is titled "Mail" and includes a "Use mail:" checkbox which is checked. Below this, there are two radio buttons for "Choose a mail server": "Standard SMTP" (selected) and "Entra/Azure". Under "SMTP mail settings", there are two radio buttons for "SMTP port": "25" (selected) and "587". Below these are input fields for "Mail from:" (containing "counting@[domain].nl"), "SMTP host:" (containing "localhost"), "User name:", and "Password:". A "Mail Destination" section contains a "Mail to:" field (containing "admin@[domain].nl"). A "Mail subject prefix (optional)" section contains a "Prefix:" field. A "Send test email" button is located below these fields. At the bottom of the form are "Save settings" and "Close" buttons. Navigation arrows are visible on the left and right sides of the form.

Image 7

To address multiple persons, additional email addresses can be added separated by a semi-colon (;).

Azure/Entra

It is possible to use SMTP with OAuth2 on Azure/Entra. For that to work properly, you need to create an App Registration and follow this manual: [Entra Manual](#).



The screenshot shows a web application window titled "Configuration form" with a menu bar containing "File" and "About..". The header area includes the HEXAPOLE logo and the text "Net2 Counted Access". The main section is titled "Mail" and contains the following elements:

- A "Use mail:" checkbox which is checked.
- A "Choose a mail server" section with two radio buttons: "Standard SMTP" (unselected) and "Entra/Azure" (selected).
- An "SMTP mail settings" section with the following fields:
 - "SMTP port:" with two radio buttons: "25" (unselected) and "587" (selected).
 - "Mail from:" with a text input field containing "counting@[domain].nl".
 - "SMTP host:" with a text input field containing "smtp.office365.com".
 - "Client ID:" with an empty text input field.
 - "Client secret:" with an empty text input field.
 - "Tenant ID:" with a text input field containing "domain.onmicrosoft.com".
- A "Mail Destination" section with a "Mail to:" text input field containing "admin@[domain].nl".
- A "Mail subject prefix (optional)" section with a "Prefix:" text input field.
- A "Send test email" button.
- Navigation arrows (back and forward) on the left and right sides.
- "Save settings" and "Close" buttons at the bottom right.

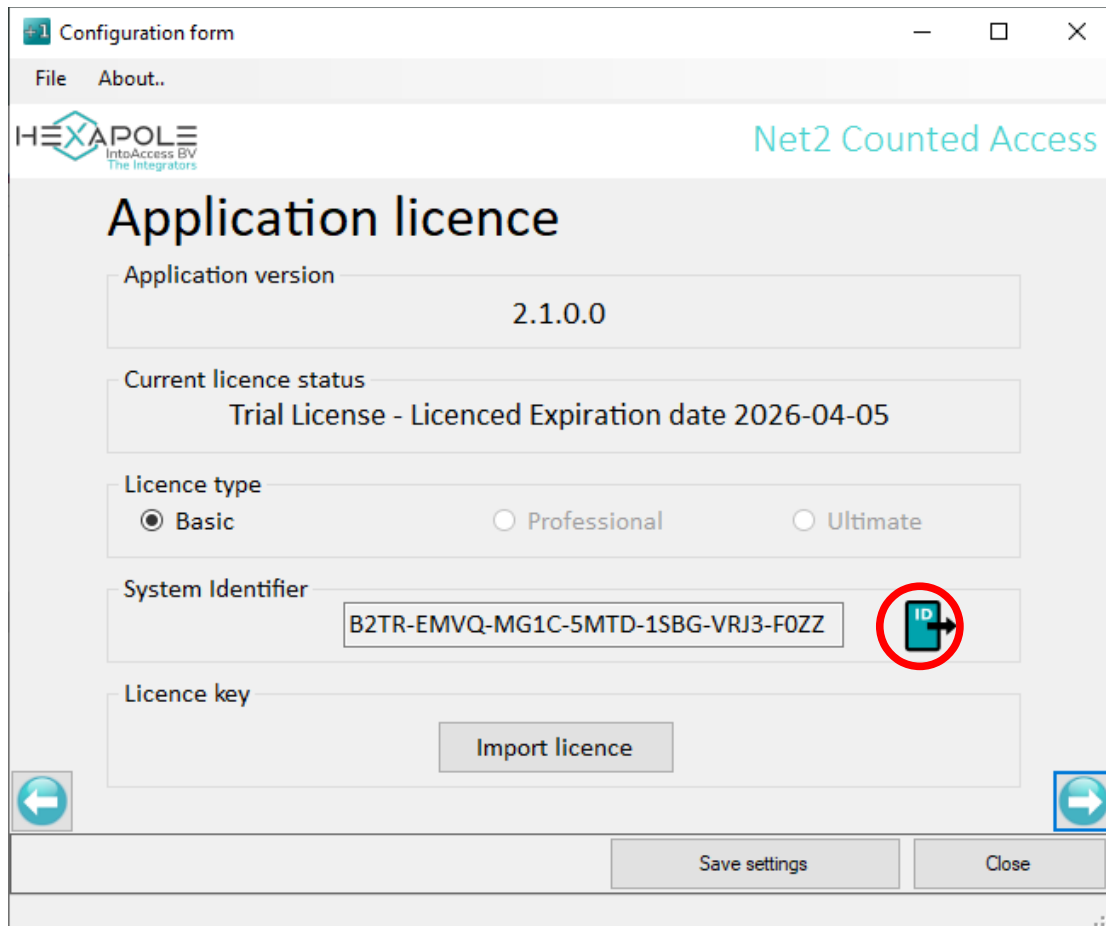
Image 8

The Azure Tenant ID may be provided in either domain format or as a GUID.

Application licence

The software as it can be downloaded from the IntoAccess website, is fully functional but will not work without the API or (trial) product licence. In this manual, the procedure to follow is explained in more detail:

[Manual for setting up API compatible products](#)



The screenshot shows a window titled "Configuration form" with a menu bar containing "File" and "About..". The window displays the "HEXAPOLE IntoAccess BV The Integrators" logo and the text "Net2 Counted Access". The main section is titled "Application licence" and contains the following fields and controls:

- Application version:** A text box containing "2.1.0.0".
- Current licence status:** A text box containing "Trial License - Licenced Expiration date 2026-04-05".
- Licence type:** Three radio buttons labeled "Basic" (selected), "Professional", and "Ultimate".
- System Identifier:** A text box containing "B2TR-EMVQ-MG1C-5MTD-1SBG-VRJ3-F0ZZ". To the right of this box is a red circle containing a blue icon of a document with an "ID" label and a right-pointing arrow.
- Licence key:** A text box with an "Import licence" button below it.

At the bottom of the form, there are two buttons: "Save settings" and "Close". Navigation arrows (a left arrow in a blue circle on the bottom left and a right arrow in a blue circle on the bottom right) are also present.

Image 9

Service Control

This page offers the possibility to start- and stop- the actual service.

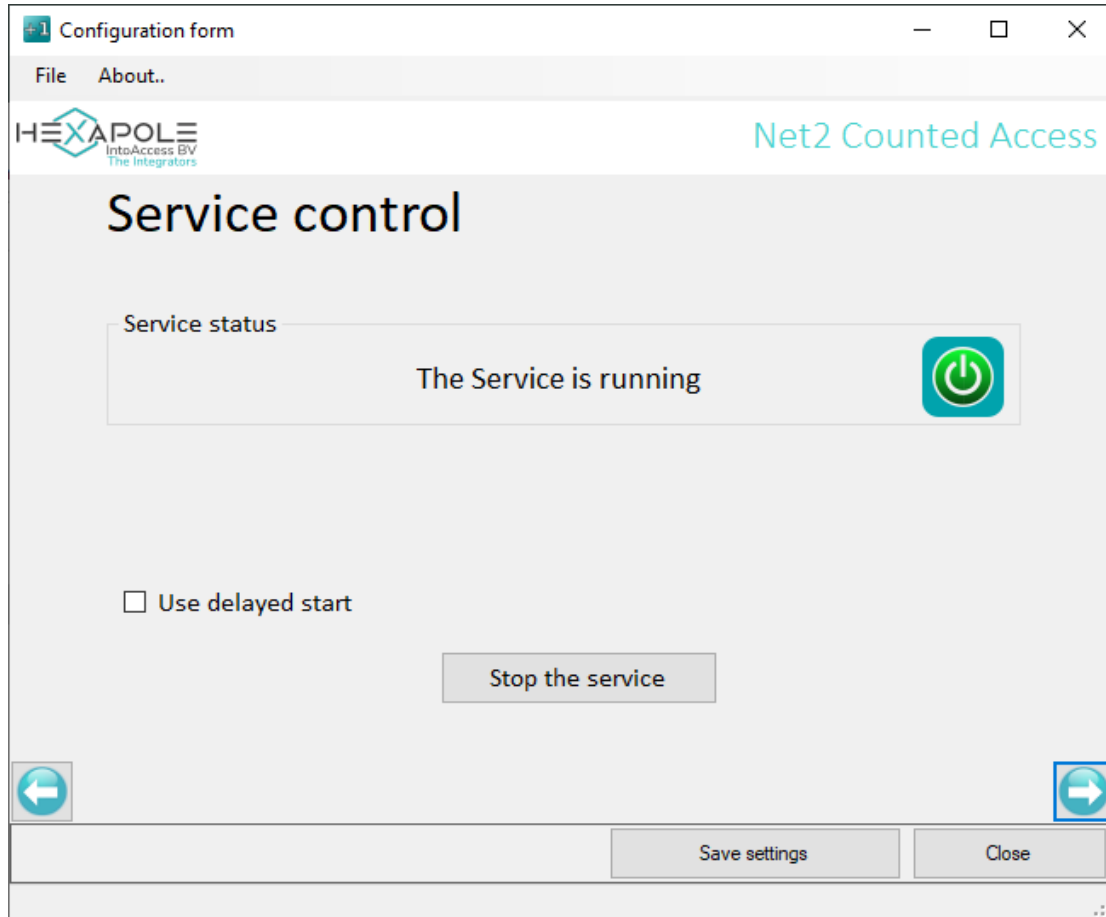


Image 10

Other ways to start and stop the service are:

- Using the tray icon pop-up menu;
- Using the Windows service manager (look for “Net2 Counted Access”);

By default, the Net2CountedAccessServer has a service dependency on Nginx, in order to make sure that it will only start after this Net2 web service is up and running. If this dependency causes you problems, you can select the Use delayed start option, which will remove the dependency and replace it by a ‘delayed’ service start. Note that you have to reboot the PC in order to have the service show up with a ‘delayed’ startup type in the Windows service manager.

Also note that this setting is only relevant when the service is running on the same PC as Net2.

Logging settings

This page, offers the possibility to review the last (max. 500) lines of the log file. The application will log its activity with a high level of detail. Especially when the application encounters an unexpected problem this log file might contain invaluable information, even for you as an end user

Please have a look at the last lines of this file if the application refuses to start or otherwise behaves unexpectedly.

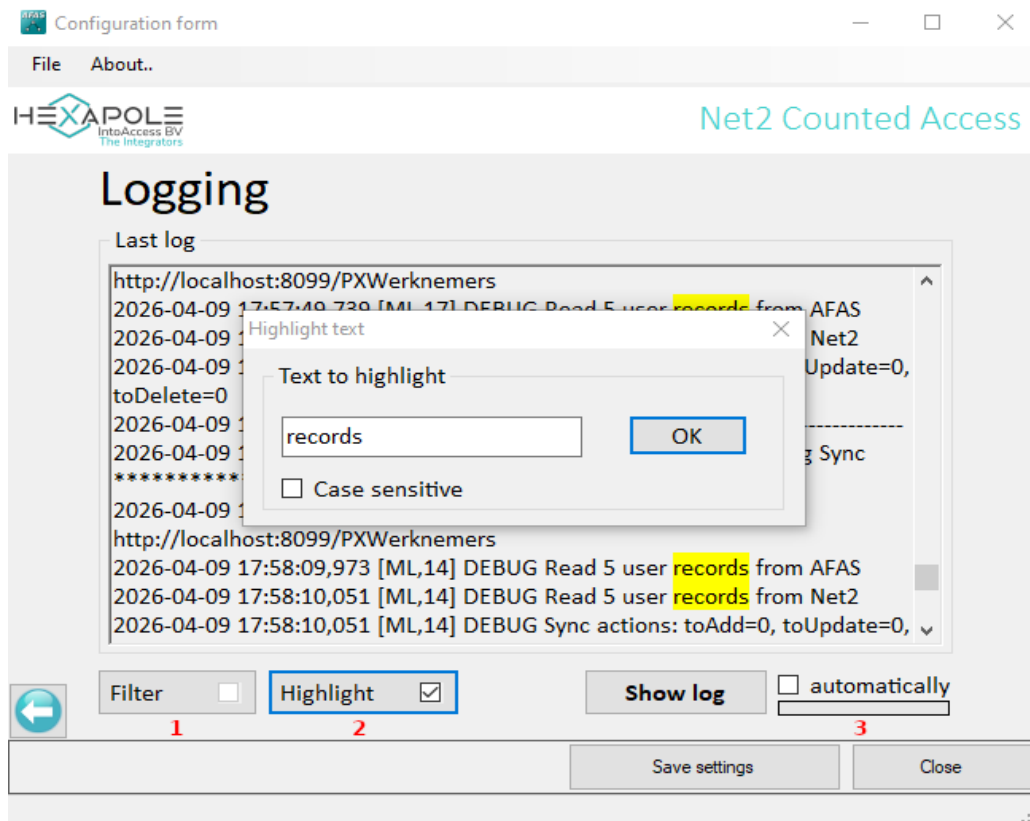


Image 11

You can resize the window in order to get a better overview of the content. This page also offers the possibility to filter the log file on certain terms (1) and/or to mark certain terms (2). An obvious 'filter term' could be the word 'ERROR' or 'WARN'. If the application works properly, both terms should not appear in the log file.

Option (3) offers the possibility to automatically reload the log file at a fixed interval.

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