enCode Labs

CCURE9000-ECLEID

Installation Manual

For the Belgian Electronic ID Reader

Revision A1 - May 2018

CCURE9000-ECLEID

Installation Manual for the Belgian Electronic ID plugin

Revision: A1

Release Date: May 2018

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Introduction

The eID driver provides a direct integration of an eID compatible reader into the CCURE9000 Administration Workstation. It can be dynamically configured to link specific eID data into CCURE9000 Personnel Fields.

The use of an eID reader eliminates typographic errors and duplicate records in the CCURE9000 database as well as speeding up the enrolment process.

Conventions

The following pictograms are used in this manual to indicate important information

Indicates extra information.

Indicates a warning. Pay extra attention to the information that is provided.

Indicates a danger with important consequences. Pay extra attention to the information that is provided and be cautious.

Known limitations

- The eID middleware is only compatible with Windows Client Workstations. The driver does not function on any Windows Server OS.

EID support

The plugin is based on the eID Middleware Framework provided by the Belgian Government. The correct installation of that framework has to be performed by a person with the required knowledge. The complete installation is well documented.

Support for the EID plugin itself is provided by Encode Labs.

Support agreements are available for extended support on the EID middleware itself.

Chapter 1

Installation and Configuration

Overview

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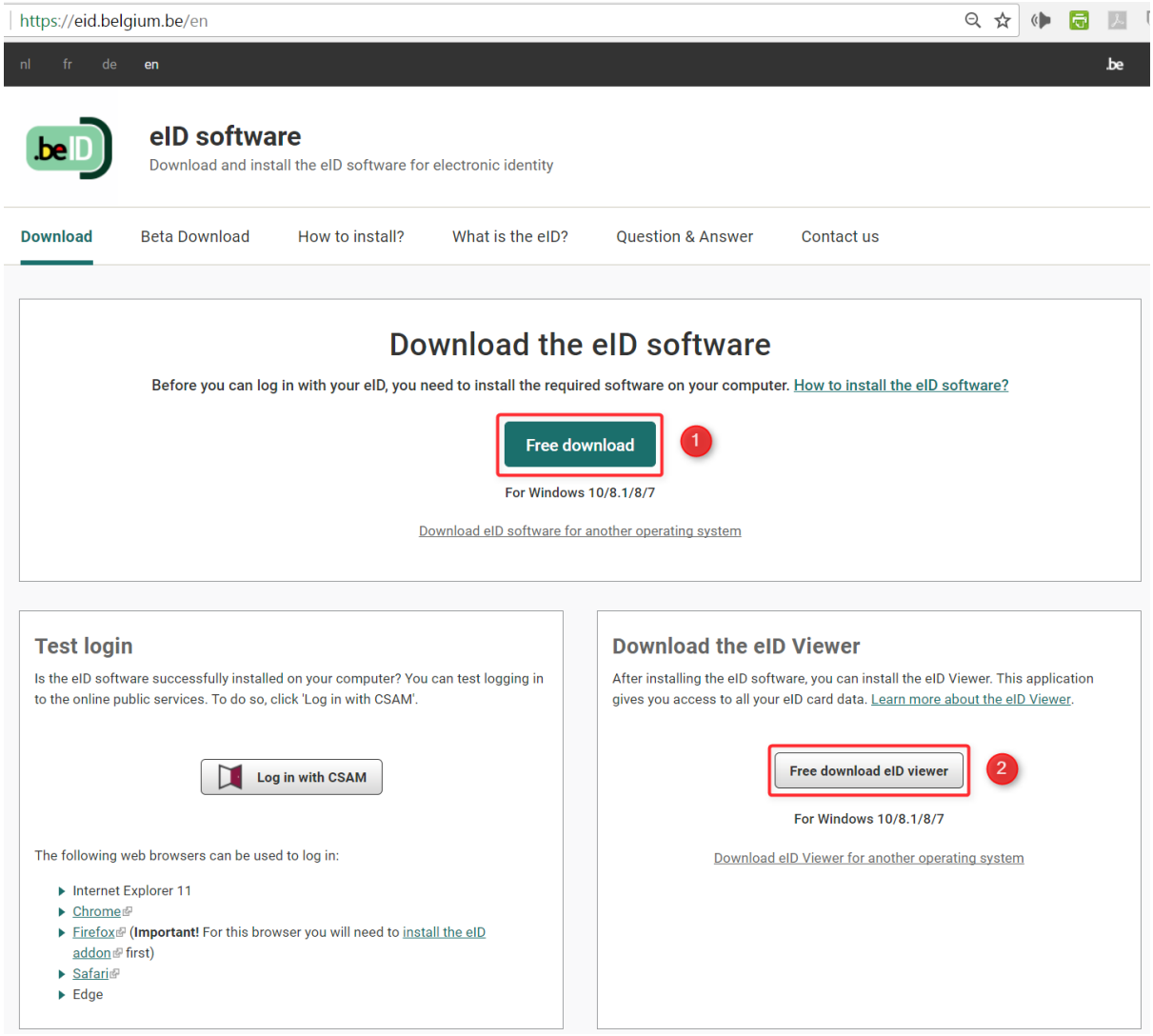
Downloading the eID Middleware

You can download the eID software installer from the following location:

https://eid.belgium.be/

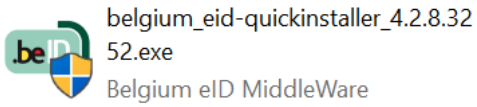
1. Download the eID Middleware driver
2. Optionally, download the eID viewer (can be used for troubleshooting)



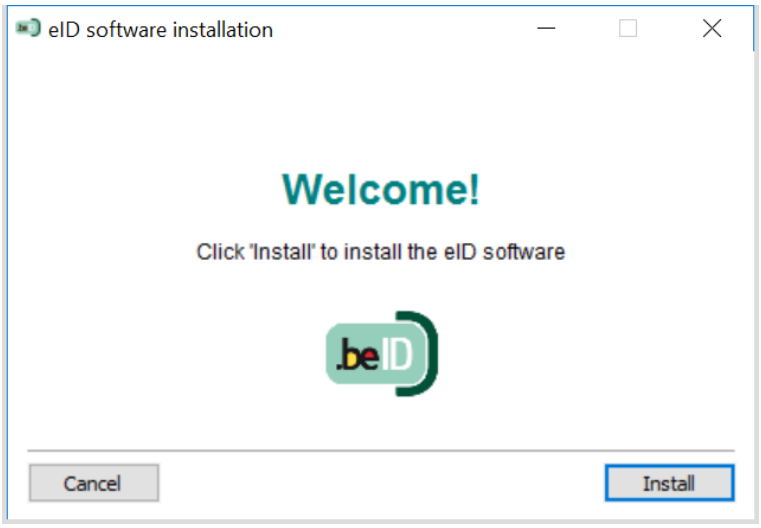
Installation of the eID Middleware

The installation procedure for the eID middleware must be performed on each client workstation. Take note of the supported OS versions. In case your OS is not supported on your server, you may skip this step and continue to install the plugin.

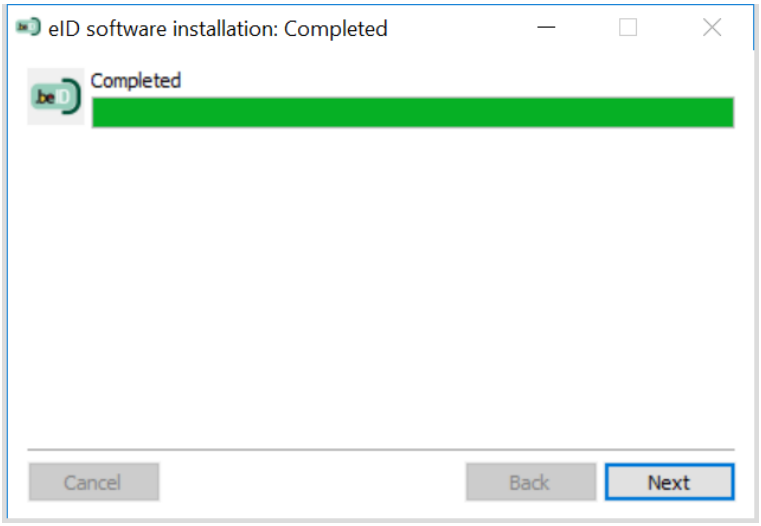
Open the eID installer:



Click "Install"

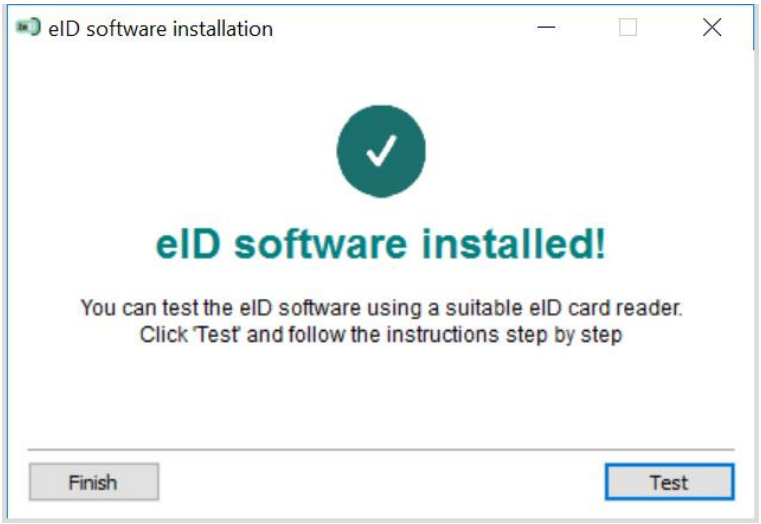


Click "Next"

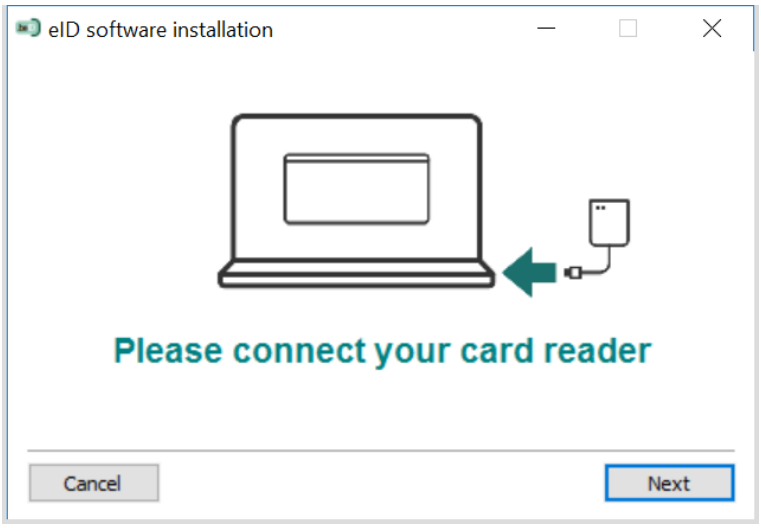


Testing the installation

Click "Test"

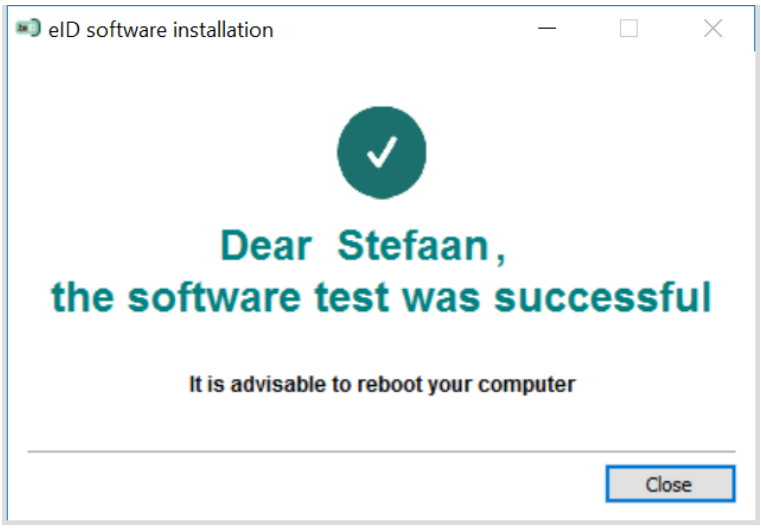


Click "Next"



Click "Next"

On successful installation a confirmation dialog will be shown:

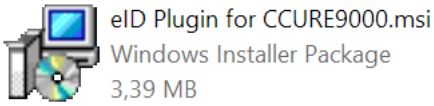


Installation of the Plugin

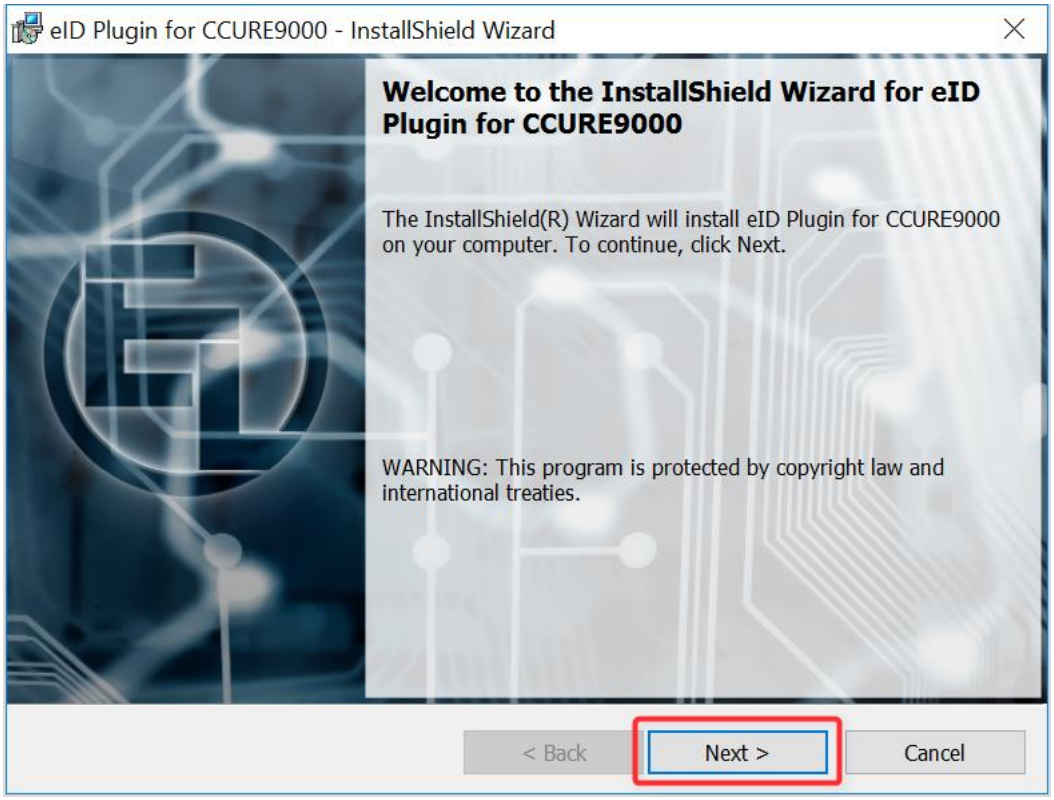
To be able to use the plugin on **client workstations**, the plugin **license** must be installed on the CCURE9000 server. Take into account that the client plugin itself does not function on Windows Server OS's.

Installation of the plugin

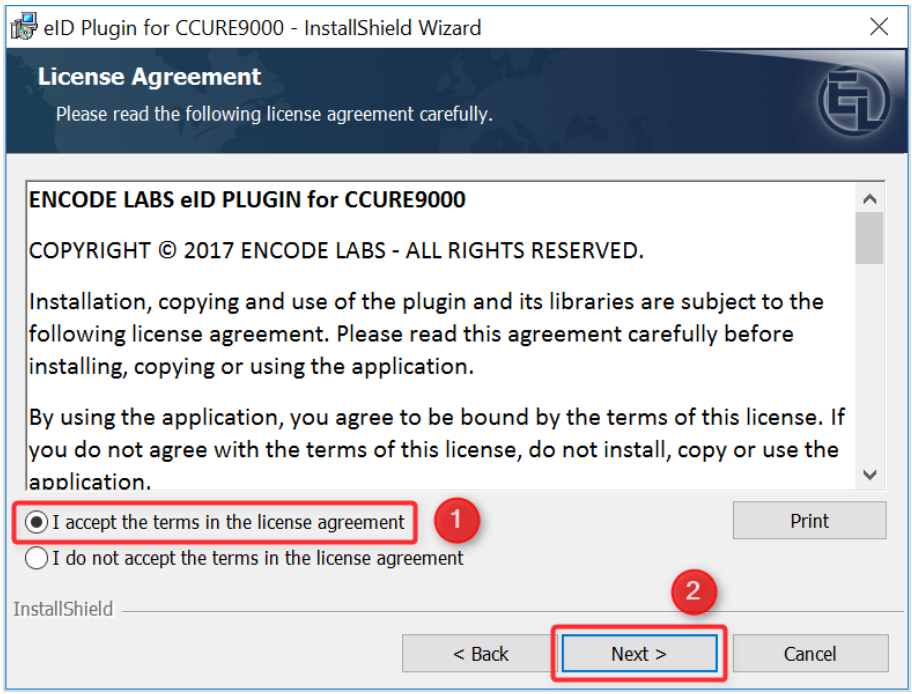
Open the installation MSI



Click "Next"

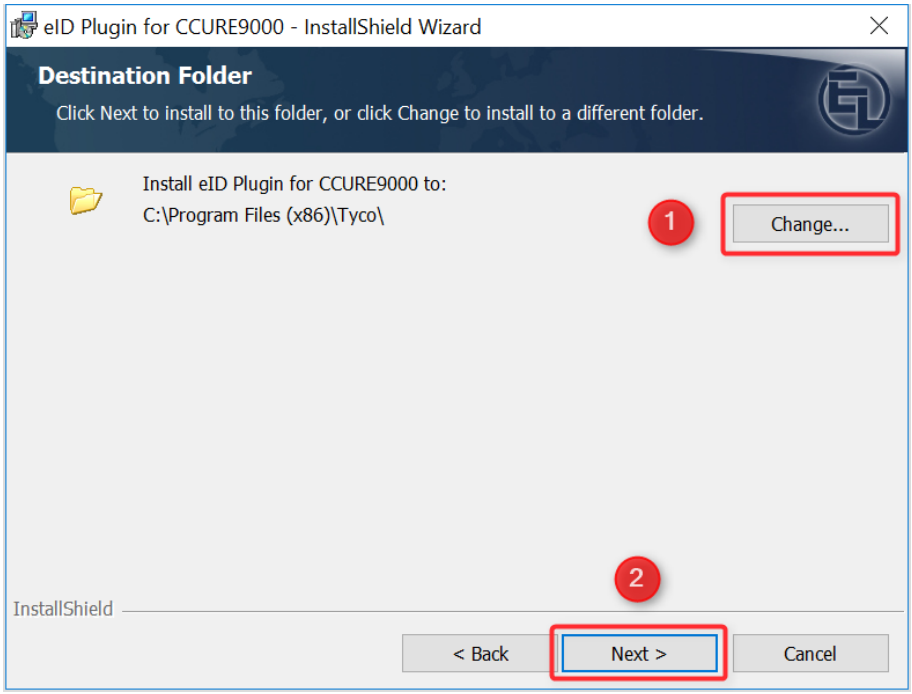


1. Accept the license
2. Click "Next"

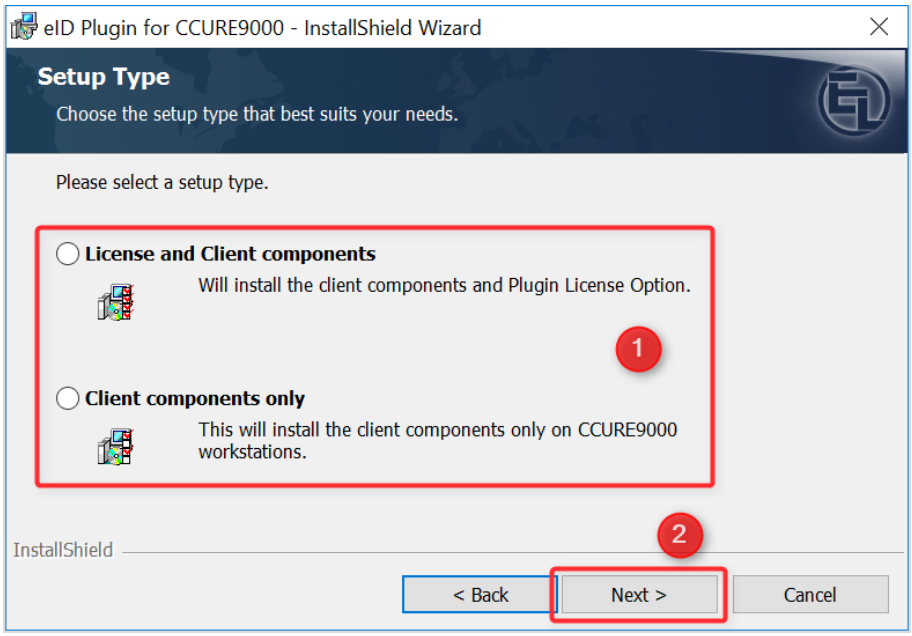


Select the installation path of your CCURE9000 installation. By default, this is located in the Program Files (x86) folder. The correct installation folder should contain "CrossFire" and "CCURE Client" folders:

1. If you installed the software to another location, click the "Browse" button and select that location
2. Click "Next"

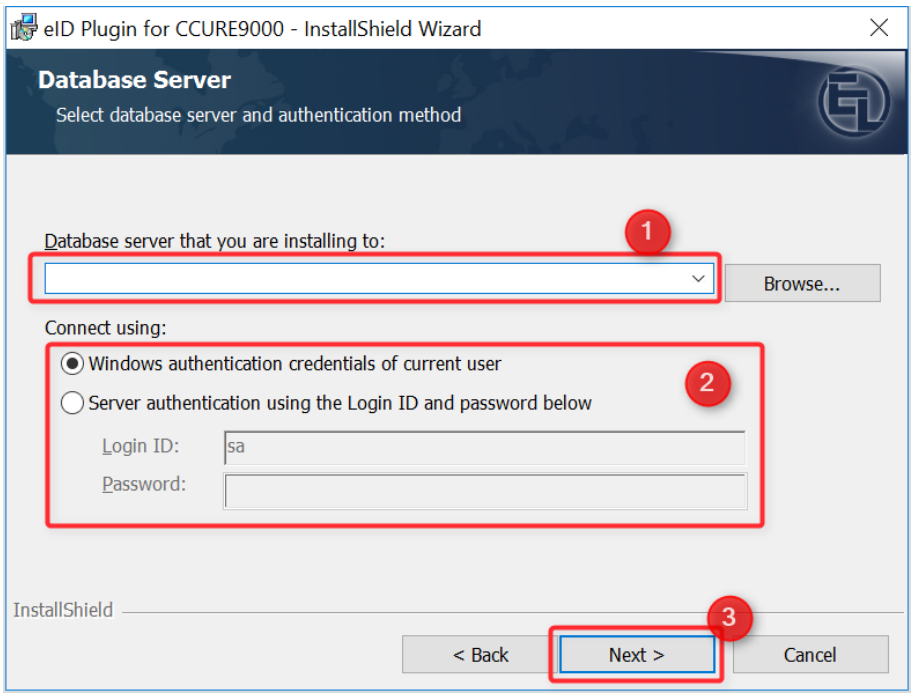


1. Select the applicable option
2. Click "Next"

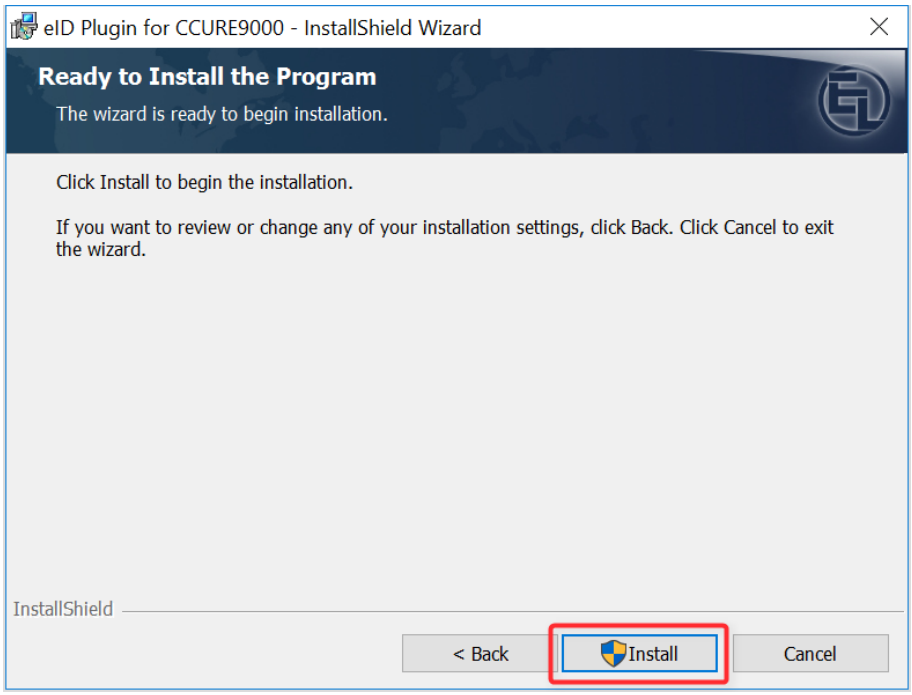


In case of a server installation, you will be presented with the SQL Login Dialog. Otherwise the installation will continue after the SQL dialog.

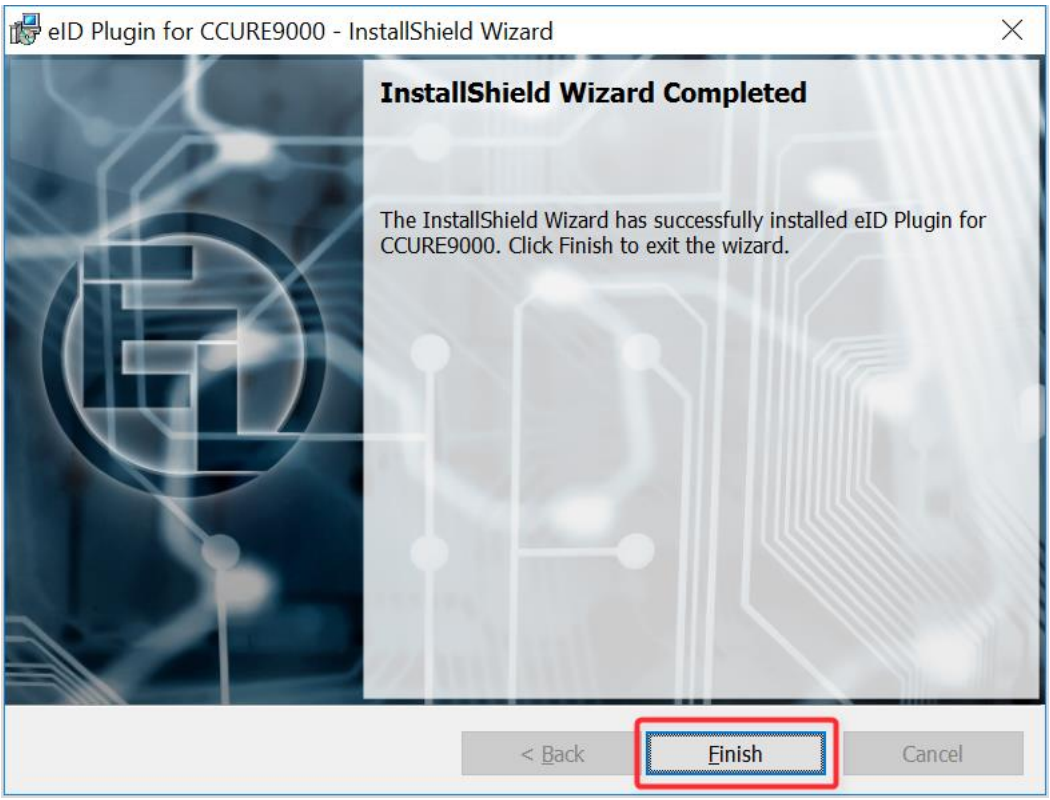
1. Select the database server from the drop-down box
2. Select and enter the appropriate details
3. Click "Next"



Click "Install"



Select "Finish"



Linking the Personnel Fields

The plugin should be installed under your CCURE Client directory of the CCURE9000 installation path. The configuration file has the name:

`EncodeLabs.eID.NextGenConnectedProgram.CredentialValidation.Client.dll.config`

Open this file with a Text editor such as Notepad. The file structure is as follows:

```
<?xml version="1.0" encoding="utf-8" ?>
<configuration>
  <appSettings>
    <add key="FirstNames" value="FirstName"/>
    <add key="LastName" value="LastName"/>
    <add key="CardNumber" value="Text1"/>
    <add key="ValidityBeginDate" value="Text3"/>
    <add key="ValidityEndDate" value="Text4"/>
    <add key="IssuingCity" value="Text5"/>
    <add key="NationalNumber" value="Text12"/>
    <add key="Nationality" value="Text7"/>
    <add key="LocationOfBirth" value="Text8"/>
    <add key="DateOfBirth" value="Text9"/>
    <add key="Gender" value="Text10"/>
    <add key="Name" value="Text11"/>
    <add key="FirstLetterOfThirdGivenName" value="MiddleName"/>
    <add key="NobleCondition" value="Text13"/>
    <add key="DocumentType" value="Text14"/>
    <add key="SpecialStatus" value="Text15"/>
    <add key="Duplicate" value="Text16"/>
    <add key="SpecialOrganization" value="Text17"/>
    <add key="DateAndCountryOfProtection" value="Text18"/>
  </appSettings>
</configuration>
```

Under the node appSettings, you can set or change the fields to which to link the eID data.

The "key" is the name of the eID data, while the "value" is the name of the Personnel field to which the data must be linked.

For instance, the above example links the eID field "FirstNames" to the CCURE Personnel Field "FirstName".

The field to link must be the standard field name, such as "Text12". Even if the field was relabelled to a new value such as "National Number", the link name remains "Text12".

All fields can be linked to Text fields. Only pure numbers can be linked to int fields, and only ValidityBeginDate and ValidityEndDate can be linked to Date fields (Date1 -> Date4)

The National Number field

Each resident has a unique National Number assigned. This number is used in the plugin to ensure the uniqueness of a record.

As this is sensitive private data, the field is encrypted with a one-way algorithm. This means the National Number cannot be decoded from the encrypted field.

In order to ensure unique personnel entries based on the National Number, you have to link this field to a Personnel field that has the property "Unique" set such as "Text12". Refer to the CCURE9000 manual for a complete list of unique fields.

Sample encrypted ID:

```
32CDD536A6CD29E1871395655F8C3AF2B4EF83FA3F04B289EC0160B315C35F36
```

Duplicating the configuration

The configuration file is stored locally on the Client Workstation.

In order to have the same configuration on multiple workstations, copy the configuration file to a central location or USB stick. Alternatively, reconfigure the file on each individual workstation.

When you have installed the plugin on other workstations and you have copied a customized configuration file, just copy it over the newly installed file on the target workstation.

If you do not have the same configuration across your client workstations, the plugin will not work as intended as values might be written to different fields.

Chapter 3

Using the plugin

Overview

ADDING THE EID CONTROLS TO THE PERSONNEL EDITOR 16
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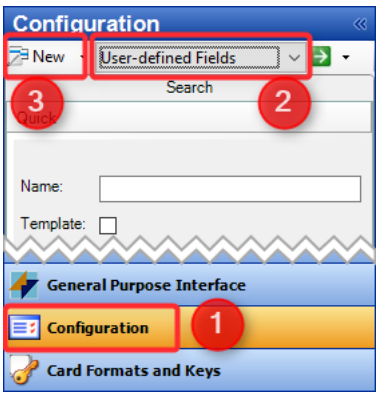
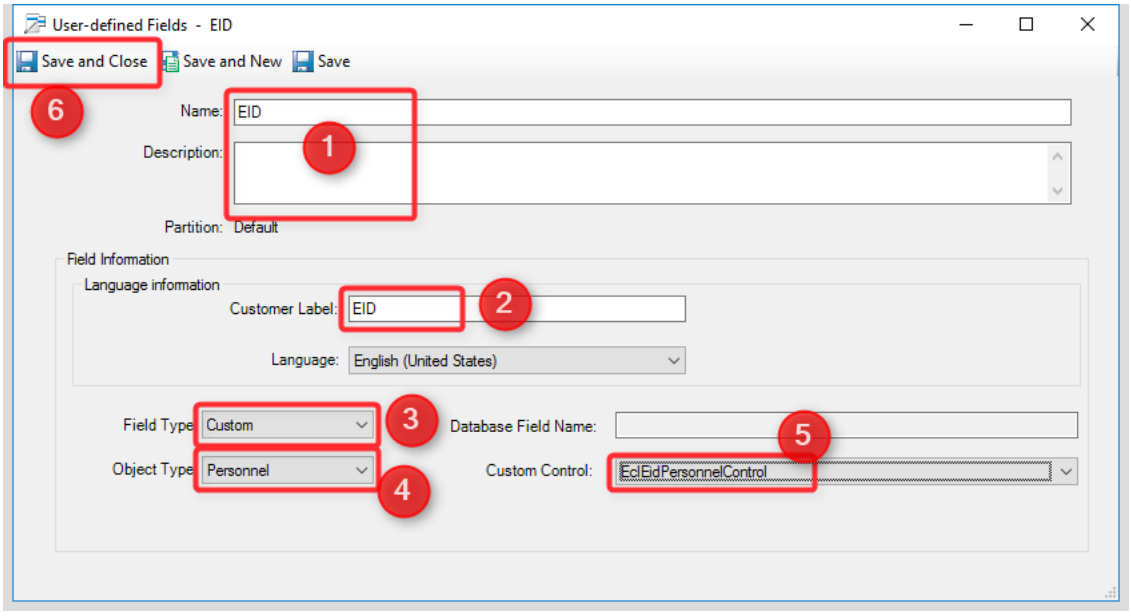
Adding the eID controls to the Personnel Editor

Open the Administration Workstation and navigate to:

1. Select Configuration
2. Select "User-Defined Fields"
3. Click "New"

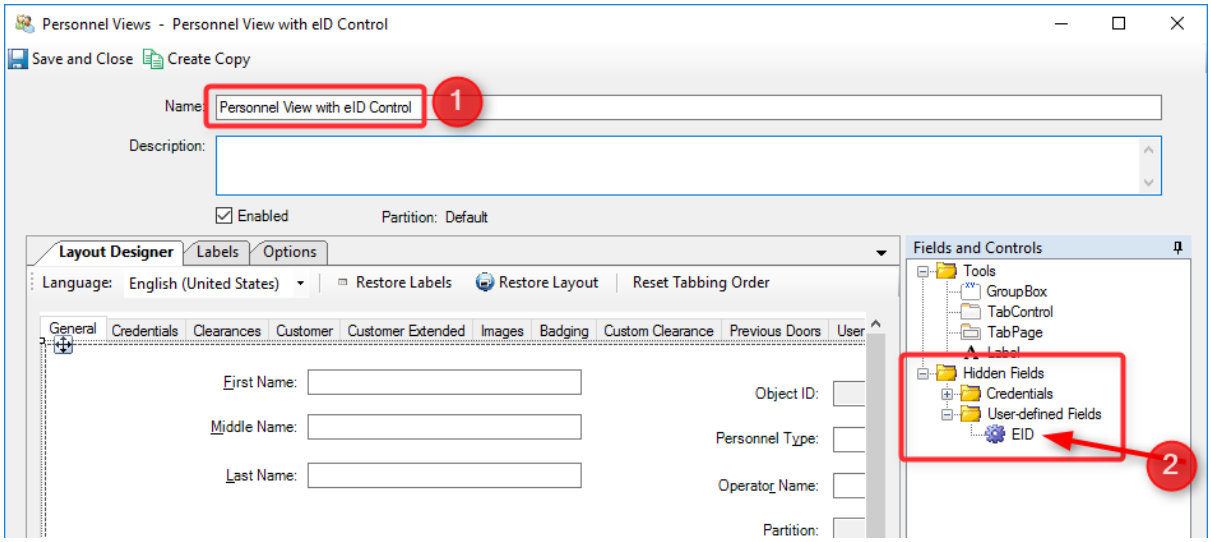


1. Enter a name for the control
2. Enter the desired Customer Label that will be shown in the editor
3. Set "Field Type" to "Custom"
4. Make sure "Personnel" is selected
5. Select "EclEidPersonnelControl"
6. Click "Save and Close"

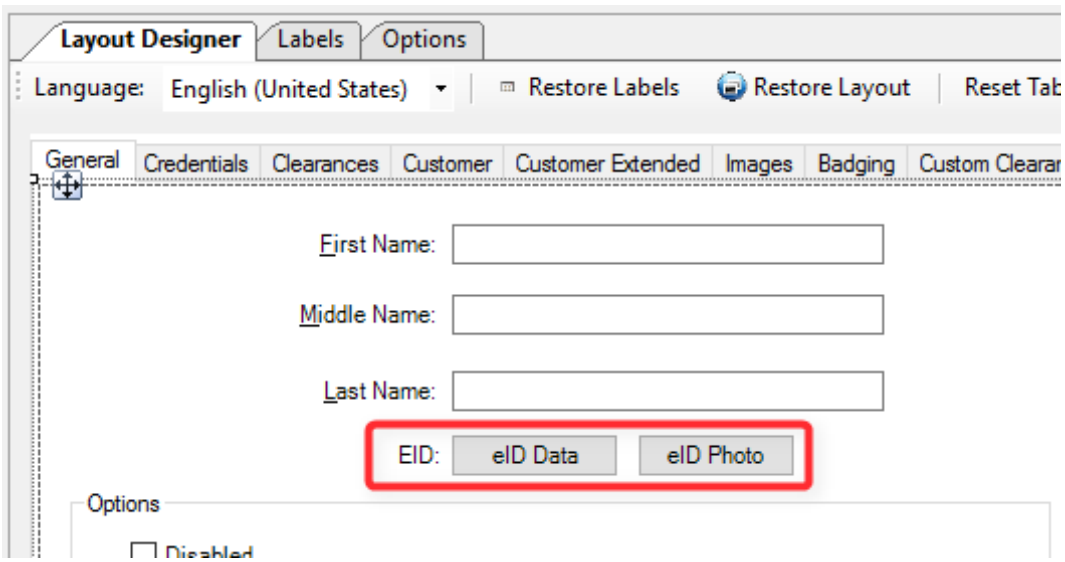


Now navigate to Personnel -> Personnel Views and select the Personnel View you wish to add the controls to.

1. If necessary, change the name of the view
2. Under "Hidden Fields", navigate to "User Defined Fields" and drag the control in the desired location.



In this example, the control was dragged onto the General Tab. 2 buttons have appeared: eID Data and eID Photo.

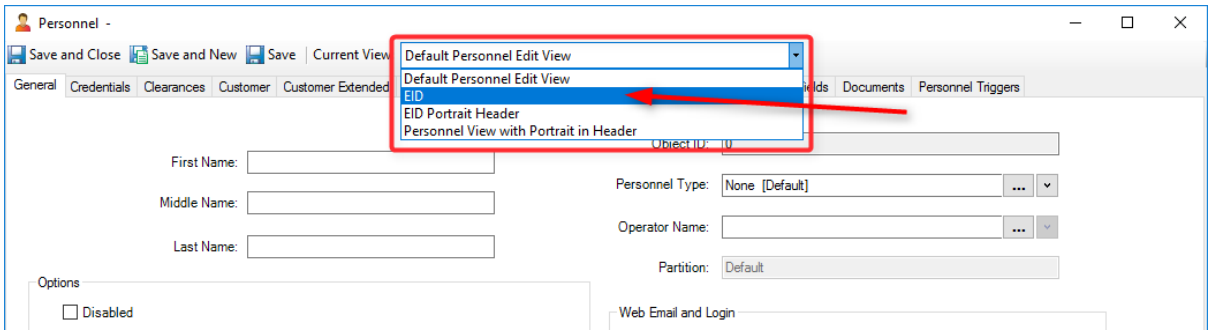


Save the personnel view when you are finished.

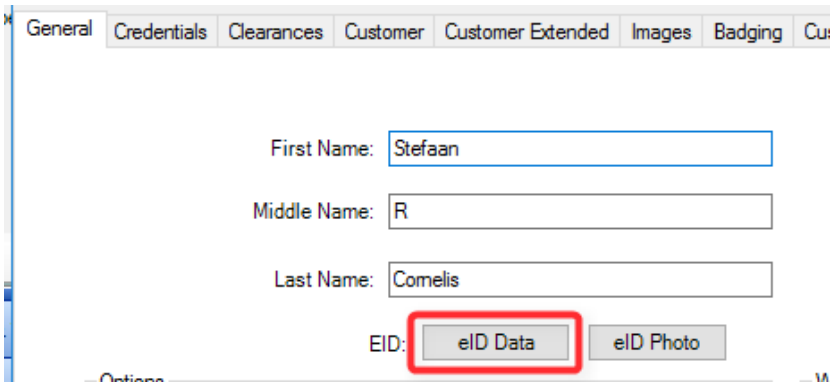
Reading the eID data

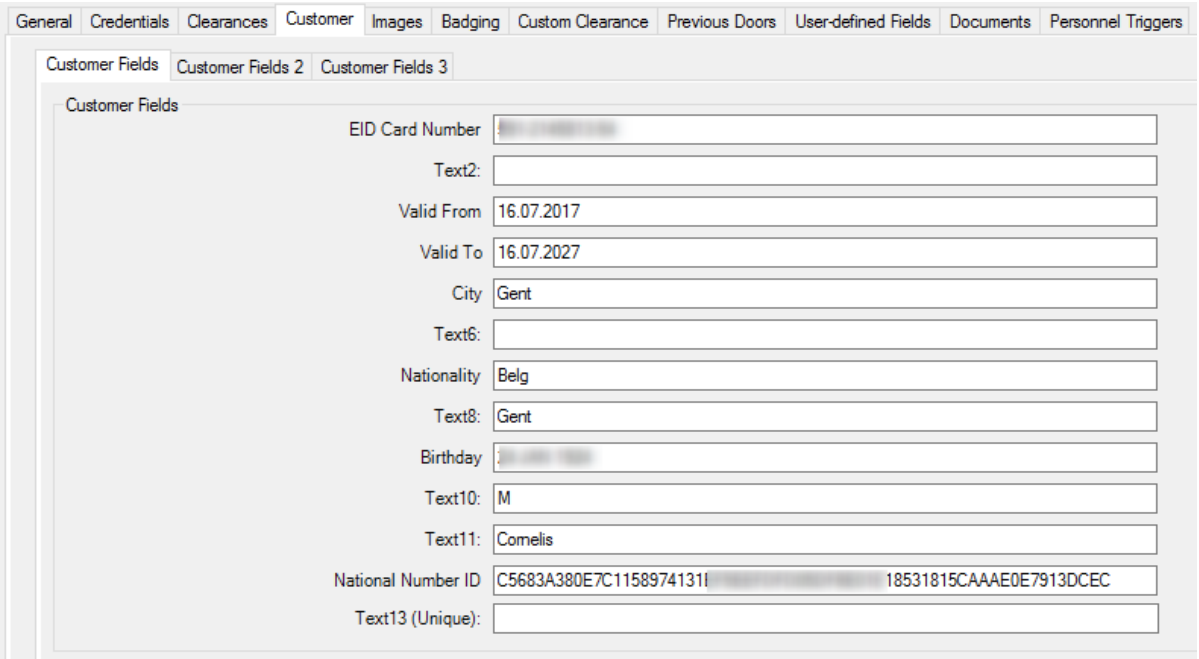
Create a new personnel record:

Make sure the correct view is selected from the "Current View" drop-down box.

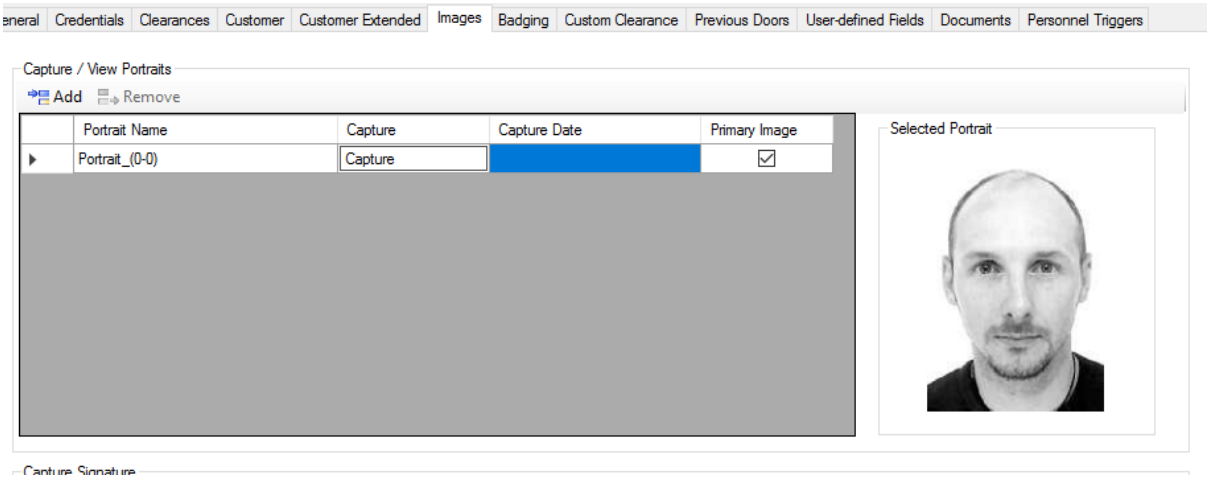


Click "eID Data to read the data fields and fill them in on the form.





Click "eID Photo" to import the photo from the eID.



Once the record is saved the capture date will be filled in.

Click the portrait to see the preview in the "Selected Portrait" control.

Appendix

Appendix A

Overview

CHECKING THE EID READER 21

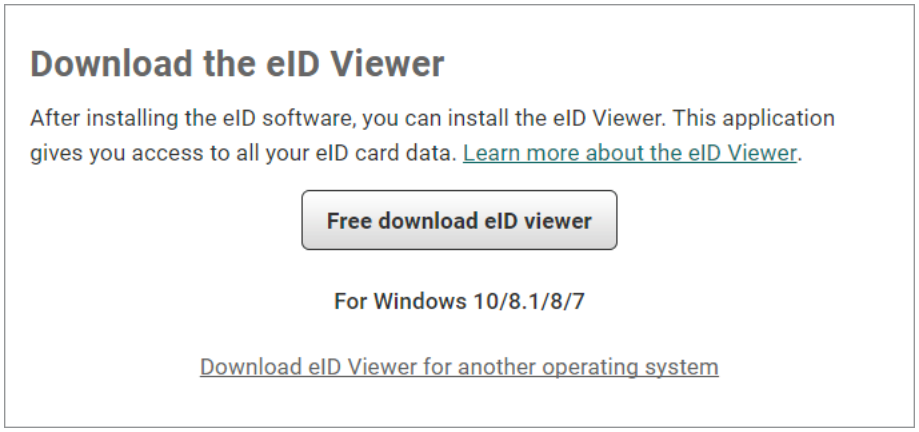
Checking the eID reader

As the plugin makes use of the eID Middleware, you need to ensure this middleware is installed and works correctly.

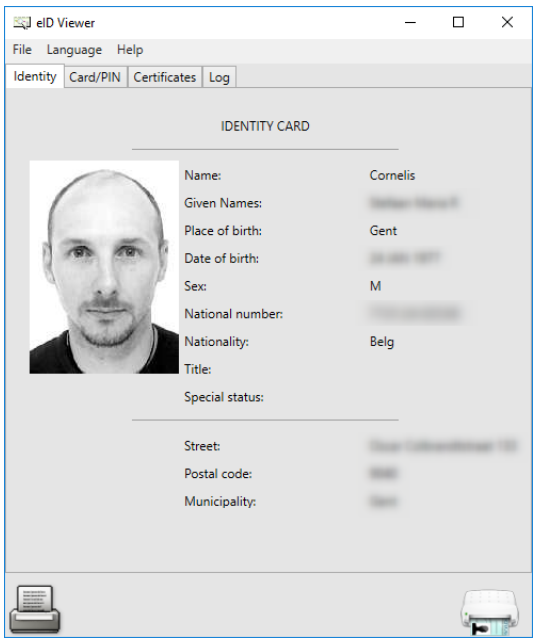
You can download the Government-built eID viewer from the website:

https://eid.belgium.be/

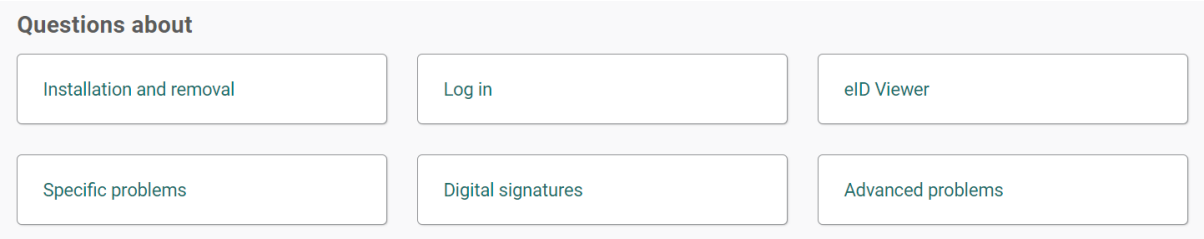
Navigate to Download and download the eID viewer.



Once you start the application, it will try reading the card from any eID compatible connected card reader.



For more information on troubleshooting the MiddleWare framework, navigate to the eID website and select "Question and Answer" where you will find a lot of information on how to troubleshoot the installation.



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