

Quick start guide

Password Expire - iX Developer script module

SER0007 - Add password expiration functionality



1 Function and area of use

This document explains how to enable password expiration in runtime mode, for X2 series HMI devices and iX PC RT (iX runtime) utilizing an additional XML that is written to the “Project Files” folder of the application.

2 About this document

This quick start document should not be considered as a complete manual. It is an aid to be able to startup a normal application quickly and easily.

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Use the following hardware, software, drivers and utilities in order to obtain a stable application:

In this document we have used following software and hardware

- iX Developer 2.40 SP4 / SP5
- X2 series devices and iX PC RT (iX runtime)

For further information refer to

- iX Developer Reference Manual (MAxx831)
- iX Developer User's Guide (MAxx832)
- [Beijer Electronics knowledge database, HelpOnline](#)

This document and other quick start documents can be obtained from our homepage. Please use the address support.europe@beijerelectronics.com for feedback.

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4 Password Expiration Functionality

The script module, the example screen and the password change popup extend the iX Security with a password expiration functionality.

The script module reads out an additional XML file with user and encrypted password data and stores the last date of the password change.

e.g.:

```
<Name>Administrator</Name>
<Password>OoMDty4A6yBaM9z7Qo7vCnMLZCU=</Password>
<LastChange>2020-09-25T08:01:24.206938+02:00</LastChange>
```

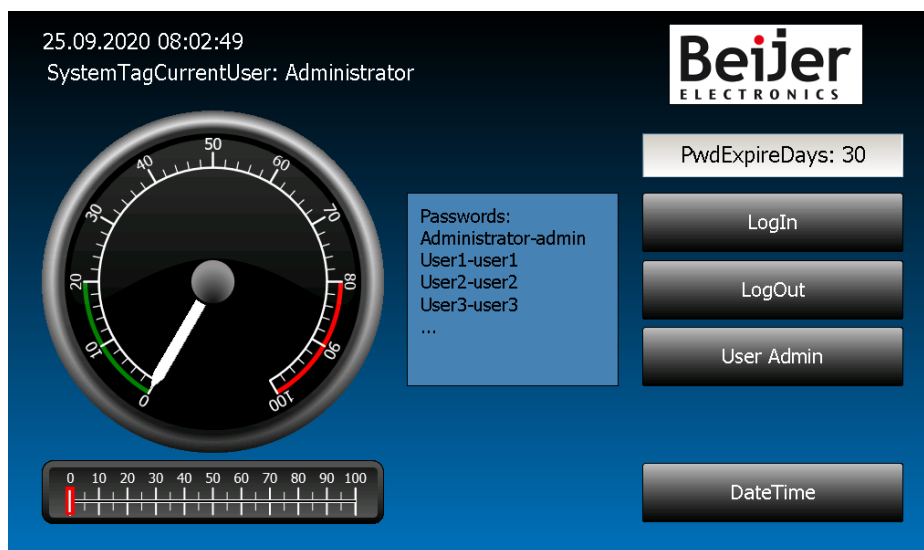
If you want to use (and transfer) an existing password expire file “Passwords.xml” (maybe generated during testing in PC simulation), then you have to copy the “Passwords.xml” from the “...\Temp\Output\Project Files” folder to the “Project Files” folder of the project.

The number of days until the passwords expire is defined by the Tag “PwdExpireDays”. We recommend to use an “Initial Value” for this Tag as well as to set this Tag to “non-volatile” to remember changes made to this Tag.

Tag	Controllers			Others					
Name	Data Type	Access Right	Data Type	Controller 1	Description	Poll Group	Always Active	Non-volatile	Initial Value
PwdExpireDays	DEFAULT	ReadWrite	DEFAULT			PollGroup1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	30

This example works well for X2 series devices and iX PC RT.

Please follow below guidelines how to install into your application. The CircularMeter and the Slider object show, how user group restrictions are implemented in iX and how they affect the runtime project.



5 Adding the Password Expiration to the iX Developer

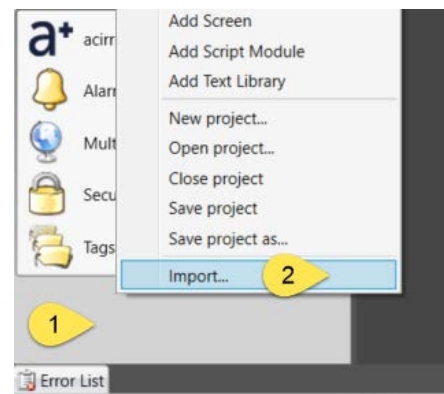
Implementation

1. Import the script module (SCM_Password) to your present iX application.
 - Open your iX application (or make a working copy) and import.
2. Import “Screen1”, see example project (iX_PasswordExpire).
3. Import “PopUp_PasswordChange”, see example project (iX_PasswordExpire).
4. Adapt the screens to your needs.
5. Run the application.

5.1 Import the project parts

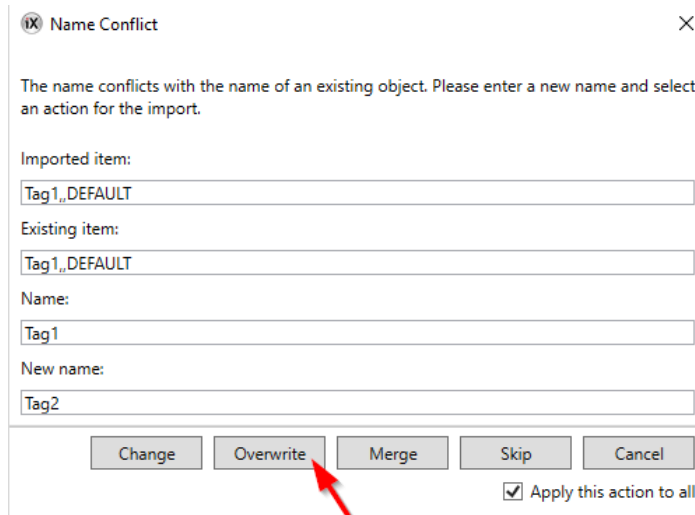
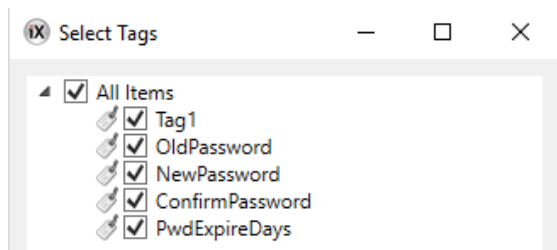
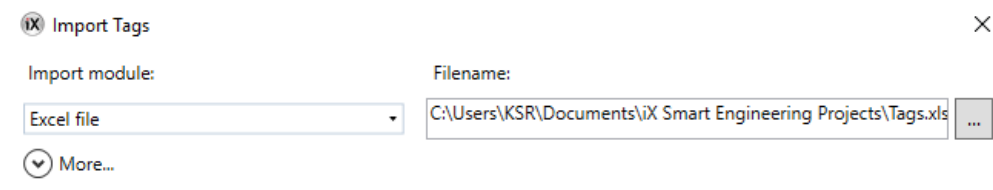
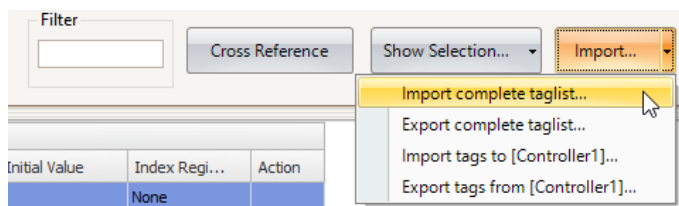
Follow the steps to add the enclosed screens and the script module to your iX project:

1. Unpack the enclosed example ZIP-file to a temporary folder.
2. Start iX Developer and load your project.
3. In the Project Explorer, right-click in the lower left corner (1. in the picture)
4. In the list, select Import... (2. in the picture)
5. Navigate to the temporary folder, where you unpacked the ZIP-file and select Screen1.neoxaml, click [Open].
6. Select PopUp_PasswordChange.neoxaml, click [Open].
7. Select SCM_Password.neo, click [Open].
8. Answer Yes to the following questions.
9. Done!



5.2 Import the Tags

1. Inside your project goto to the Tags editor and select “Import”.
2. Select type “Excel file” inside the Import module.
3. Navigate to the temporary folder, where you unpacked the ZIP-file and select Tags.xls, click [Open].
4. Select all Tags.
5. If a “Name conflict” dialog appears, select “apply this action to all” and “Overwrite” already existing Tags.
6. Done!



6 About Beijer Electronics

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