



# Smart.XChange

---

## Manual

29.07.2020

## Contents

<b>1</b>	<b>Meaning of the text formatting .....</b>	<b>4</b>
<b>2</b>	<b>Description .....</b>	<b>5</b>
<b>3</b>	<b>Installation and start .....</b>	<b>6</b>
3.1	Installation.....	6
3.2	Checking the installation.....	6
3.3	Connection with the database.....	6
<b>4</b>	<b>Working with Smart.XChange .....</b>	<b>8</b>
4.1	Requirements for source files .....	8
4.2	Basic procedure .....	9
<b>5</b>	<b>Import: Tabs and options .....</b>	<b>13</b>
5.1	Manage all tasks.....	13
5.2	Creating new persons with transponders.....	14
5.3	Deactivate transponder/delete person .....	17
5.4	Add new doors with locking device.....	19
5.5	Add individual rights .....	20
5.6	Delete individual rights .....	20
5.7	Add group rights .....	21
5.8	Delete group rights.....	22
5.9	Replacement transponder.....	23
<b>6</b>	<b>Export: Data .....</b>	<b>24</b>
6.1	Basic procedure .....	24
6.2	Exporting personnel data.....	24
6.3	Exporting group data.....	27
6.4	Exporting individual rights.....	27
6.5	Exporting doors .....	28
6.6	Exporting areas .....	30
6.7	Exporting group rights.....	30
<b>7</b>	<b>Log .....</b>	<b>32</b>
<b>8</b>	<b>Settings .....</b>	<b>33</b>
8.1	Configuring service .....	33
8.2	Configuring user account .....	34
8.3	Configuring exports .....	35
8.4	Configuring imports.....	35

9 Help and other information ..... 36

## 1 Meaning of the text formatting

This documentation uses text formatting and design elements to facilitate understanding. The table explains the meaning of possible text formatting:

<b>Example</b>	button
<input checked="" type="checkbox"/> Example	checkbox
<input type="checkbox"/> Example	
<input checked="" type="radio"/> Example	Option
[Example]	Tab
"Example"	Name of a displayed window
Example	Upper programme bar
<b>Example</b>	Entry in the expanded upper programme bar
<b>Example</b>	Context menu entry
▼ Example	Name of a drop-down menu
"Example"	Selection option in a drop-down menu
"Example"	Area
Example	Field
<i>Example</i>	Name of a (Windows) service
<i>Example</i>	Commands (e.g. Windows CMD commands)
<b>Example</b>	Database entry
[Example]	MobileKey type selection

## 2 Description

Smart.XChange is an interface which automates data exchange between LSM and a third-party system. It enables users to export datasets from LSM into other software and vice versa: import data into LSM. The data is exchanged using the CSV file format, i.e. a text file to save or exchange simply structured data.

The service runs fully automatically after one-time configuration (mapping) to assign data records is complete. In this context, mapping means that you need to link the columns in the table in the source file with the fields in the LSM database one time, so that Smart.XChange itself can transfer the data into the right fields in the LSM database.

### Use cases

Smart.XChange is used for applications such as:

- Importing personnel data from a personnel administration system for employee management
- Synchronising door and building data with a computer-aided facility management system (CAFM)
- Exporting authorisation information: which people may use specific doors?

### What benefits does Smart.XChange offer?

- Saves time thanks to automatic import instead of manual input, i.e. no need for duplicated data management
- Data consistency: Avoids mistakes due to individual synchronisation
- Standardises and simplifies recurrent tasks

## 3 Installation and start

### 3.1 Installation

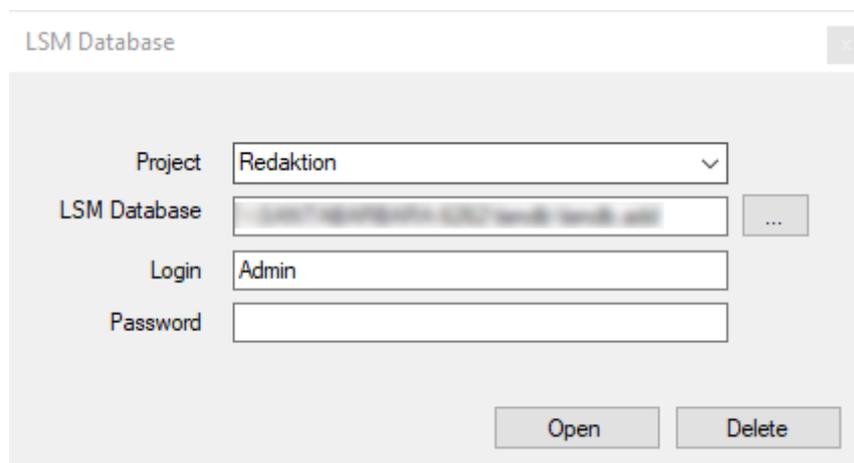
- ✓ LSM Business Version 3.4 or new with registered Smart.XChange module
  - ✓ Administrator rights
  - ✓ .NET Framework (32-bit), 4.5.2 or higher
  - ✓ Microsoft Visual C++ 2017 redistributable package (x86)
1. Execute the Microsoft Visual C++ 2017 Redistributable Package (x86) installation file.
  2. Execute the set-up file.

### 3.2 Checking the installation

1. Press the letter R and the Windows key at the same time.
  - ↳ A "Run" window will open.
2. Enter the following: *services.msc*
3. Click on the **OK** button.
  - ↳ A list of Windows services will open.
4. Look for the *SimonsVoss Smart.XChangeService* service.
  - ↳ If the entry is missing, it means that installation is not correct. Repeat installation if this is the case (see [Installation \[▶ 6\]](#)).

### 3.3 Connection with the database

1. Launch Smart.XChange.
  - ↳ An input mask will open.



The screenshot shows a dialog box titled "LSM Database" with a close button (X) in the top right corner. The dialog contains four input fields: "Project" (a dropdown menu with "Redaktion" selected), "LSM Database" (a text field with a blurred path and an ellipsis button to its right), "Login" (a text field with "Admin" entered), and "Password" (an empty text field). At the bottom of the dialog are two buttons: "Open" and "Delete".

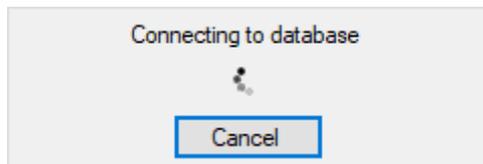
2. Click on the arrow to select a project or create a new project. You can create a new project by entering a name for your project and continuing as indicated.
  - ↳ Your program settings will be saved to the project.

3. Click on the  button to open Explorer.
  - ↳ The Explorer window will open.
4. Navigate to the lsmdb.add file in Explorer.

**NOTE****The database path**

The path to the LSM database is displayed at "Setup" in the "Data source" field on the LSM logon page.

5. Enter user name and password.
6. Click on the  button.
  - ↳ A connection is established to the LSM database.



- ↳ The program launches.

## 4 Working with Smart.XChange

The program's user interface consists of nine tabs. You can use the tabs to configure the Smart.XChange service responsible for synchronisation.

### 4.1 Requirements for source files

The source files must be in CSV format.



#### NOTE

##### Read errors due to special characters

If fields in the source file contain special characters and these are the same as the pre-set separator characters, Smart.XChange is unable to distinguish between the separator characters and special characters. This causes the fields to be split and the column assignment disappears. Avoid using special characters in the source file fields. If you need to use special characters, you can mask them.

1. Open the source file.
2. Add quotation marks to the start and end of the field which contains the special character.
  - ↳ The field will look like this: "Content; with special character"
  - ↳ Masked special characters are omitted during import and have no impact on column assignment.



#### NOTE

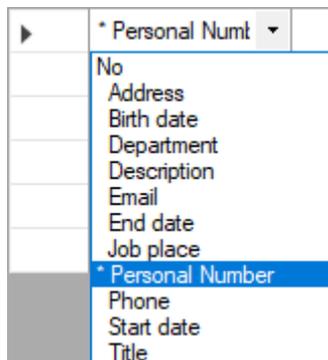
##### Character length for fields

There is a limit to the number of characters permitted in the LSM database fields. If the fields in the source file contain more characters, the excess characters are discarded on import.

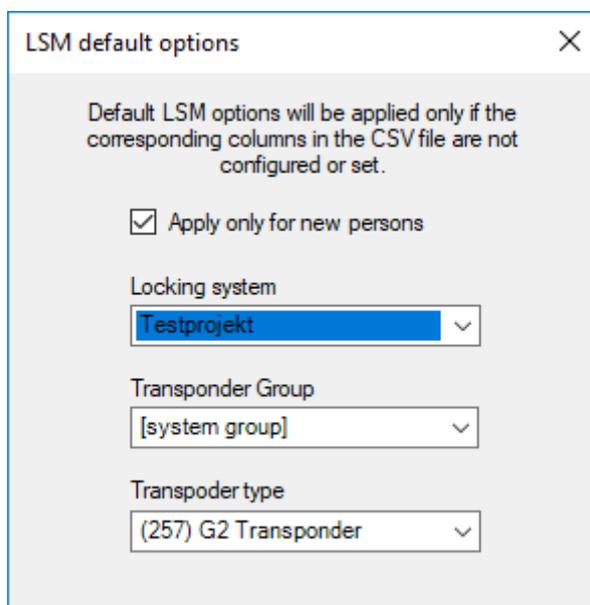
Field in the database	Maximum length
Door	70 characters
Room number	20 characters
Floor	5 characters
Location	5 characters
Building	5 characters
Description	256 characters
Metal Door	0 (no) or 1 (yes)
Outside	0 (no) or 1 (yes)



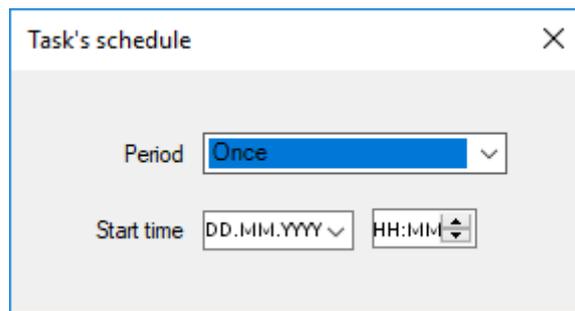
- Click on the arrow to fold down the drop-down menu from the top row.



- Select the suitable data types (see subsequent tables from Section Creating new persons with transponders); you must select obligatory assignment elements as a minimum (marked with an asterisk).
- Use the same procedure on the other columns.
- Close the Mapping-Viewer window again.
  - ↳ Selection is saved automatically.
- Use the cog wheel button to set options if you wish.
  - ↳ The "LSM default objects" window will open.



- Close the "LSM default objects" window again.
  - ↳ Selection is saved automatically.
- Use the clock button to set the time schedule (Once, every five minutes, every hour, every day, every week or every month).
  - ↳ The "Task's schedule" window will open.



12. Close the "Task's schedule" window again.

↳ Selection is saved automatically.

13. Click on the **Activate** button to launch the service.

↳ Service synchronizes databases based on time schedule and configured options.

You can also use the "Run now" button to launch the service. The time schedule will be ignored in this case and the service launched immediately. The service is then executed as per the time schedule.

You are shown the "Summary" when you close the program. This allows you to see the settings that the service is working with in the background after you have closed the window.

Summary ×

Service active since: DD.MM.YYYY HH:MM:SS

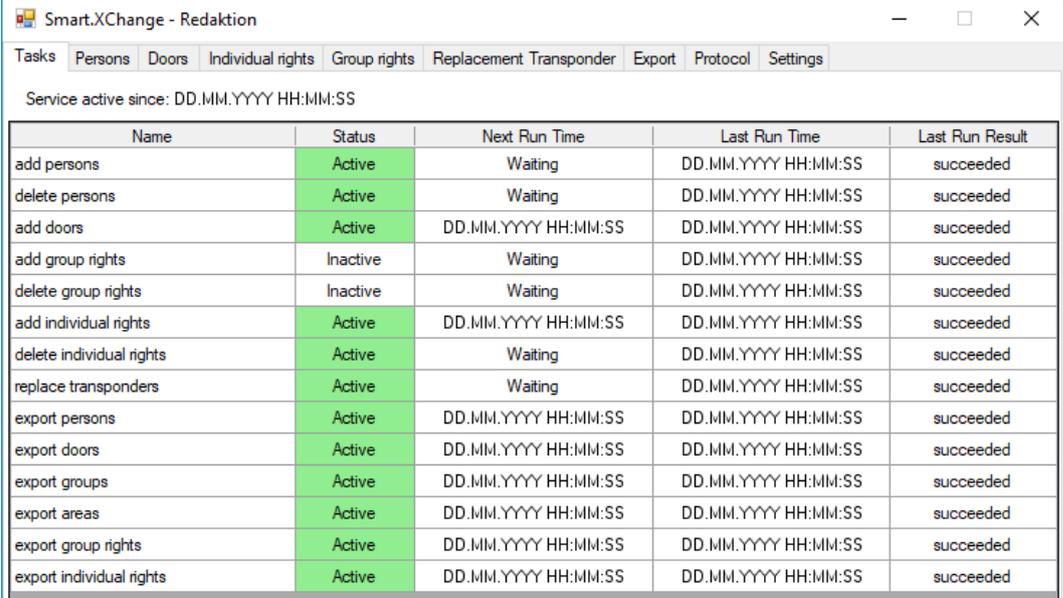
Task	Status
add persons	Inactive
delete persons	Active
add doors	Active
add group rights	Active
delete group rights	Inactive
add individual rights	Active
delete individual rights	Inactive
replace transponders	Inactive
export persons	Active
export doors	Active
export groups	Active
export areas	Active
export group rights	Active
export individual rights	Active

Accept system state and close configuration app?

## 5 Import: Tabs and options

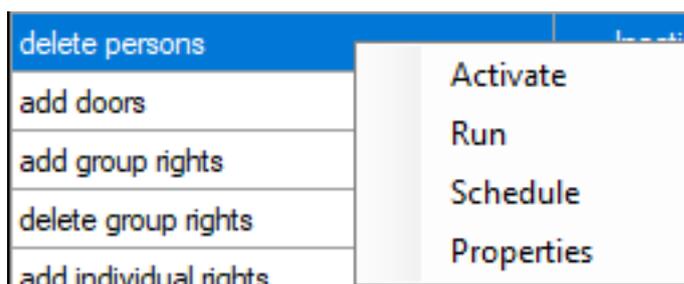
### 5.1 Manage all tasks

#### Tasks register



Name	Status	Next Run Time	Last Run Time	Last Run Result
add persons	Active	Waiting	DD.MM.YYYY HH:MM:SS	succeeded
delete persons	Active	Waiting	DD.MM.YYYY HH:MM:SS	succeeded
add doors	Active	DD.MM.YYYY HH:MM:SS	DD.MM.YYYY HH:MM:SS	succeeded
add group rights	Inactive	Waiting	DD.MM.YYYY HH:MM:SS	succeeded
delete group rights	Inactive	Waiting	DD.MM.YYYY HH:MM:SS	succeeded
add individual rights	Active	DD.MM.YYYY HH:MM:SS	DD.MM.YYYY HH:MM:SS	succeeded
delete individual rights	Active	Waiting	DD.MM.YYYY HH:MM:SS	succeeded
replace transponders	Active	Waiting	DD.MM.YYYY HH:MM:SS	succeeded
export persons	Active	DD.MM.YYYY HH:MM:SS	DD.MM.YYYY HH:MM:SS	succeeded
export doors	Active	DD.MM.YYYY HH:MM:SS	DD.MM.YYYY HH:MM:SS	succeeded
export groups	Active	DD.MM.YYYY HH:MM:SS	DD.MM.YYYY HH:MM:SS	succeeded
export areas	Active	DD.MM.YYYY HH:MM:SS	DD.MM.YYYY HH:MM:SS	succeeded
export group rights	Active	DD.MM.YYYY HH:MM:SS	DD.MM.YYYY HH:MM:SS	succeeded
export individual rights	Active	DD.MM.YYYY HH:MM:SS	DD.MM.YYYY HH:MM:SS	succeeded

Here, you will find an overview of all tasks which Smart.XChange manages. A table displays the current status, the next begin time and the last time that the task was performed and the result of the action. Right-click on a task to open its context menu.



- Activate: This allows you to execute tasks as per the pre-set time schedule.

Execute: This allows you to execute the task immediately. The task is then executed as per the pre-set time schedule.

Time plan: This allows you to configure the task time schedule.

Edit: This allows you to configure how the task behaves when it is executed.

Alternatively, you can double click to open the tab for the task concerned.

## 5.2 Creating new persons with transponders

### Tab Persons

You use this tab to copy new persons into the LSM database from the source file. A person is unambiguously identified using their personnel number (field Personal Number in the mapping viewer). For display in the matrix of LSM, the surname (field Lastname in the mapping viewer) is also required. These details are therefore mandatory(\*).

### Assignment view: Settings

selection	Incorporated into the LSM database as
no	Not incorporated (column is ignored)
Activation date	Activation date of the transponder
Expiration date	Expiration date of the transponder
Time frame mode	Timeframe mode (defines the dynamic timeframe mode in the tab [Configuration] of the transponder) 0 = Do not change time window on gateway 1 = until a particular time of (next) day 2 = Number of hours since last complete hour of booking
Time frame value	Time frame value (dependent on <i>Time frame mode</i> ) <ul style="list-style-type: none"> <li>■ If <i>Time frame mode</i> = 0, then <i>Time frame value</i> is not used.</li> <li>■ If <i>Time frame mode</i> = 1, then <i>Time frame value</i> is used as the time of the next day up to which the booking is valid.</li> <li>■ If If <i>Time frame mode</i> = 2, the <i>Time frame value</i> is used as the number of hours for which the transponder is valid after booking.</li> </ul>
Cost Account	Cost centre
G1 Time Group ID	G1 time zone group to which the transponder is assigned
G2 Time Group ID	G2 time zone group to which the transponder is assigned

selection	Incorporated into the LSM database as
*Personal Number	Personnel number
Firstname	First name
*Lastname	Last name
Job place	Location/building
Job title	TITLE
Phone	Phone number
Email	Email
Startdate	Joining date
End date	Leaving date
Address	Address
Birth date	Date of Birth
Department	Department
Description	Note
Transponder type	Indication of the transponder type 0 = Undefined transponder type 1 = Normal G1 transponder 2 = G1-Smartclip 3 = G1 biometric transponder 4 = G1 PinCode transponder 5 = Biometric reader 6 = G1 card 257 = Normal G2 transponder 259 = G2 Biometric transponder 260 = G2-PinCode transponder 262 = G2 Card transponder
Transponder group	Transponder group to which the transponder is assigned.
Locking system name	Name of the locking system to which the transponder, the person or both are assigned.

#### Note on G1 Time Group ID/G2 Time Group ID and Transponder group

The mapping value *G1 Time Group ID* or *G2 Time Group ID* can only be assigned to one of the two database values:

- TransponderGroup.TimeGroupID or TransponderGroup.TimeGroupG2ID
- Transponder.TimeGroupG1ID or Transponder.TimeGroupG2ID

In LSM, you can assign a group of transponders (TransponderGroup) to a time zone group (TimeGroup) in order to assign time-controlled authorisations for several persons simultaneously (=TransponderGroup.TimeGroup). You can recognise transponders with group-controlled time budgets in the LSM: In the tab [Configuration] in the area "Time zone group" in the dropdown menu ▼ G1 or ▼ G2 there is an addition in the brackets of the time zone group. This addition specifies which transponder group with time zone group determines the time zone group of this transponder. Assign the mapping value *G1 Time Group ID* or *G2 Time Group ID* to the database value **Transponder.TimeGroupG1ID** or **Transponder.TimeGroupG2ID**.

If you want to assign different time authorisations to individual transponders from a transponder group with time zone group, you can also assign a time zone group directly to these transponders (=Transponder.TimeGroup). This overwrites the time authorisation that results from the transponder belonging to a transponder group with time zone group (TransponderGroup.TimeGroup) (Transponder.TimeGroup > TransponderGroup.TimeGroup). Assign the mapping value *G1 Time Group ID* or *G2 Time Group ID* to the database value **TransponderGroup.TimeGroupID** or **TransponderGroup.TimeGroupG2ID**.

### Task options

setting	Position
Locking system	If the field is empty in the source file or no suitable selection has been made, the value selected here is used.

setting	Position
Transponder group	If the field is empty in the source file or no suitable selection has been made, the value selected here is used.
Transponder type	If the field is empty in the source file or no suitable selection has been made, the value selected here is used.
Apply only for new persons	Entries which already existed when the last import was made are ignored.

#### Remarks

- If a transponder type is indicated, but no transponder, a transponder is added and assigned to the person.
- A person may already have another type of transponder assigned which has not yet been programmed. In this case, this transponder's type will be replaced by the indicated type.
- If a transponder type is indicated, but the person has already been assigned a programmed transponder, this specification will not take effect.
- If a transponder group is indicated, then the locking system name needs to be specified.
- If no transponder group is indicated, but there is a name for the locking system, then the transponder group is the same as for the system group for the locking system.
- If a transponder group is indicated, then the transponder is assigned to this group. Except: The transponder is already assigned to a transponder group in the locking system.
- If a transponder group is already indicated, then the transponder is moved to this group if it is already assigned to a transponder group.

### 5.3 Deactivate transponder/delete person

#### Persons tab

You use this function to remove persons and remove/deactivate/detach transponders which are named in the source file. A person is unambiguously identified with their personnel number (Personal Number), so that the selected actions can be used for the person concerned. This information is therefore mandatory(\*).



**CAUTION**

**Data loss**

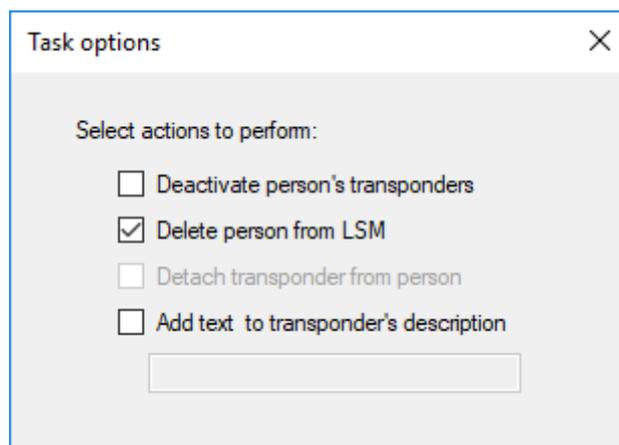
Incorrect personnel numbers in the source file mean actions are inadvertently applied to other people.

- Ensure the personnel numbers are correct in the source file.

**Mapping viewer: Settings**

selection	Incorporated into the LSM database as
no	Not incorporated (column is ignored)
*Personal Number	Personnel number for the person who is to be removed from the data record.

**Task options**



setting	Position
Detach	Transponder is no longer assigned to the person (however, the person remains in the LSM database and is not reimported).
Deactivate	Transponder is deactivated.
Delete	Person is removed from the LSM database; transponder remains in the LSM database.
Add text to transponder's description	Adds the entered text to the transponder description.

## 5.4 Add new doors with locking device

### Doors register

You use this function to copy new doors from the source file to the LSM database. A door can be unambiguously identified (Door code). The door designation is also required to display the door in the matrix in LSM (Door name). These details are therefore mandatory(\*).

### Assignment view: Settings

selection	Incorporated into the LSM database as
no	Not incorporated (column is ignored)
Area name	Area
Building shortcut	Building
Description	Description
*Door code	door code
*Door name	Door identifier
Floor	Floor
Location shortcut	Location
Lock type	Type
Locking system name	Locking system
Room number	Room Number

### Task options

LSM default options
✕

Default LSM options will be applied only if the corresponding columns in the CSV file are not configured or set.

Apply only for new doors

Locking system

Testprojekt
▼

Area

[autogenerated]
▼

Lock type

(514) G2 Cylinder
▼

setting	Position
Locking system	If the field is empty in the source file or no suitable selection has been made, the value selected here is used.
Area	If the field is empty in the source file or no suitable selection has been made, the value selected here is used.
Lock type	If the field is empty in the source file or no suitable selection has been made, the value selected here is used.
Apply only for new doors	Entries which already existed when the last import was made are ignored.

### 5.5 Add individual rights

You use this function to copy individual rights from the source file to the LSM database. Individual rights comprise an unambiguously identifiable door (Door code) and an unambiguously identifiable person (Personal Number). These details are therefore mandatory(\*).

#### Assignment view: Settings

selection	Incorporated into the LSM database as
no	Not incorporated (column is ignored)
*Door code	Door designation for the door concerned
*Personal Number	Personnel number for the person who is authorised.



#### NOTE

##### No settings

The "Task options" window is no longer available for this task.

### 5.6 Delete individual rights

You use this function to delete the individual rights specified in the source file from the LSM database. Individual rights comprise an unambiguously identifiable door (Door code) and an unambiguously identifiable person (Personal Number). These details are therefore mandatory(\*).

## Assignment view: Settings

selection	Incorporated into the LSM database as
no	Not incorporated (column is ignored)
*Door code	Door designation for the door concerned
*Personal Number	Personnel number for the person who is no longer authorised.

**NOTE****No settings**

The "Task options" window is no longer available for this task.

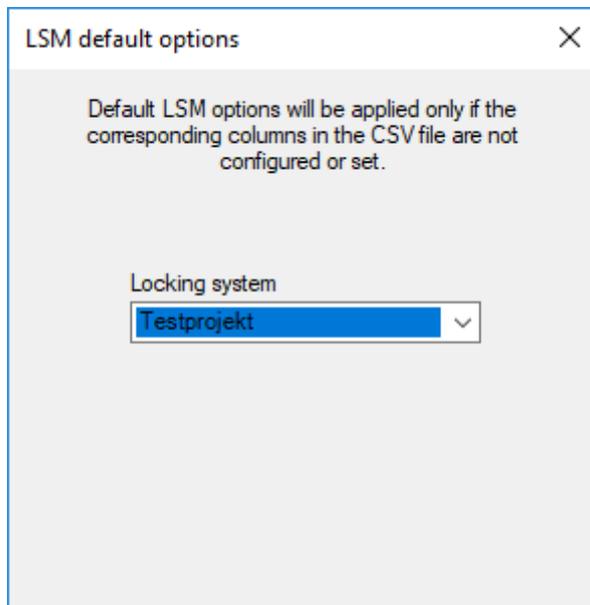
**5.7 Add group rights**

You use this function tab to copy group rights from the source file to the LSM database. Group rights consist of an unambiguously identifiable group of transponders (Transponder group) which are authorised to enter a clearly identifiable area (Area name). These details are therefore mandatory(\*).

## Assignment view: Settings

selection	Incorporated into the LSM database as:
no	Not incorporated (column is ignored)
*Area name	Area where the group rights are valid.
Locking system name	Locking system where the area is located.
*Transponder group	Transponder group which is authorised.

## Task options



setting	Position
Locking system	If the field is empty in the source file or no suitable selection has been made, the value selected here is used.

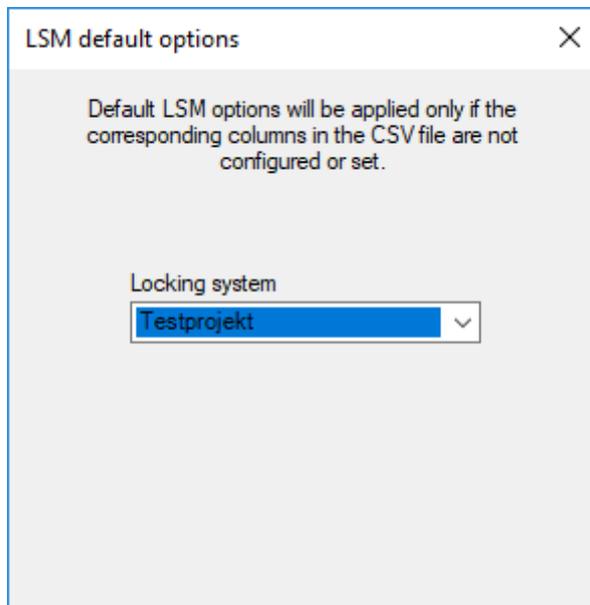
### 5.8 Delete group rights

You use this function to delete the group rights specified in the source file from the LSM database. Group rights consist of an unambiguously identifiable group of transponders (Transponder group) which are authorised to enter a clearly identifiable area (Area name). These details are therefore mandatory(\*).

#### Assignment view: Settings

no	Not incorporated (column is ignored)
*Area name	Area where the group rights are valid.
Locking system name	Locking system where the area is located.
*Transponder group	Transponder group which is no longer authorised.

## Task options



setting	Position
Locking system	If the field is empty in the source file or no suitable selection has been made, the value selected here is used.

## 5.9 Replacement transponder

You use this function to deactivate the transponders for the persons whose personnel numbers match those in the source file. The program adds a replacement transponder at the same time. The person must be unambiguously identified using their personnel number (Personal Number) to do so. This information is therefore mandatory(\*).

## Assignment view: Settings

selection	Incorporated into the LSM database as:
no	Not incorporated (column is ignored)
*Personal Number	Personnel number of the person whose transponder is being replaced.

**NOTE****No settings**

The "Task options" window is no longer available for this task.

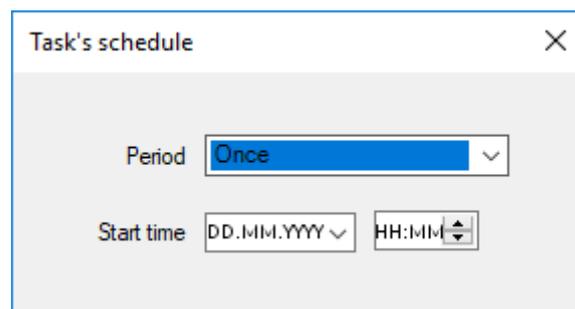
## 6 Export: Data

### 6.1 Basic procedure

#### Export tab

You can use Smart.XChange to export data records from the LSM database using the CSV data exchange format. If you export files in this format, they can be easily further processed and imported into personnel administration systems, for example.

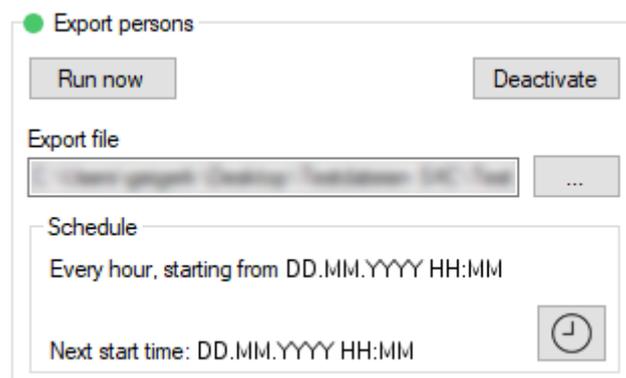
1. Click on the **...** button to open Explorer.
  - ↳ The Explorer window will open.
2. Establish the destination file.
3. Click on the **Save** button to confirm your selection.
  - ↳ Explorer window closes.
4. Use the clock button to set the time schedule.



5. Close the "Task's schedule" window again.
  - ↳ Selection is saved automatically.
6. Click on the **Activate** button to launch the service.
  - ↳ The **Activate** button is replaced by the **Deactivate** button.
  - ↳ Service exports the selected data as per the time schedule.

### 6.2 Exporting personnel data

#### Export persons



You export a CSV file with the following columns:

Column	Content
Person.PersonalNumber	The person's personnel number
Person.Firstname	Person's first name
Person.Lastname	Person's last name
Person.JobPlace	The employer's name
Person.JobTitle	The person's title
Person.Phone	Person's telephone number
Person.Email	Person's email
Person.StartDate	Date person joined organisation
Person.EndDate	Date person left organisation
Person.Address	Person's address
Person.BirthDate	Person's date of birth
Person.Department	Person's department
Person.Description	Description of the person
Transponder.Type	Type of transponder allocated to the person.
Transponder.State	Status of transponder allocated to the person. 0 = Active 1 = Lost 2 = Moved to another transponder group 3 = Deleted 4 = Deactivated but not programmed 5 = Defective 6 = Not returned 7 = Other 256 = Deactivated TID programmed in all locking devices of an area. Used for VN_Export only. 512 = Deactivated and expired
TransponderGroup.Name	Name of the transponder group to which the person's transponder is assigned.
LockingSystem.Name	Locking system from which the person's data record comes.

Column	Content
Transponder.SerialNumber	Transponder serial number. Each transponder can be uniquely identified with the serial number.
Transponder.ActivationDate	Activation time of the transponder
Transponder.ExpirationDate	Expiration date of the transponder
Transponder.TimeGroupG1ID	Entry in the dropdown menu ▼ G1 in the area "Time zone group" in the tab Configuration
Transponder.TimeGroupG2ID	Entry in the dropdown menu ▼ G2 in the area "Time zone group" in the tab Configuration
Transponder.DynamicTimeFrameMode	<p>Selected option in the area "Dynamic time window"</p> <p>0 = Do not change time window on gateway</p> <p>1 = until a particular time of (next) day</p> <p>2 = Number of hours since last complete hour of booking</p>
Transponder.DynamicTimeFrameValue	<p>Value in the area "Dynamic time window", that is dependent on Transponder.DynamicTimeFrameMode.</p> <ul style="list-style-type: none"> <li>■ If Transponder.DynamicTimeFrameMode = 0, then Transponder.DynamicTimeFrameValue is not applicable.</li> <li>■ If Transponder.DynamicTimeFrameMode = 1, then the value stands for the time until which transponders are valid after the booking.</li> <li>■ If Transponder.DynamicTimeFrameMode = 2, then the value stands for the number of hours that transponders remain valid after booking.</li> </ul>
Transponder.G1TID	ID of the G2 transponder (only for G1 transponders). This ID assigns the transponder in the locking system.

Column	Content
Transponder.G2TID	ID of the G2 transponder (only for G2 transponders). This ID assigns the transponder in the locking system.
Person.CostAccount	Person's cost centre

### 6.3 Exporting group data

#### Export groups

**Export groups**

Run now Deactivate

Export file  
 ...

Schedule  
 Every hour, starting from DD.MM.YYYY HH:MM  
 Next start time: DD.MM.YYYY HH:MM 🕒

You export a CSV file with the following columns:

Column	Contents
TransponderGroup.Name	The transponder group's name
TransponderGroup.Description	Description of the transponder group
LockingSystem.Name	Locking system from which the transponder group comes.

### 6.4 Exporting individual rights

#### Export individual rights

**Export individual rights**

Run now Deactivate

Export file  
 ...

Schedule  
 Every hour, starting from DD.MM.YYYY HH:MM  
 Next start time: DD.MM.YYYY HH:MM 🕒

You export a CSV file with the following columns:

Column	Contents
PERSON.PERSONALNUMBER	Authorised person's personnel number
LOCKINGSYSTEM.NAME	Locking system from which the person's right comes.
LOCK.DOORCODE	Door code for the door which the person is authorised to use.

## 6.5 Exporting doors

### Export doors

● Export doors

Export file

Schedule

Every hour, starting from DD.MM.YYYY HH:MM

Next start time: DD.MM.YYYY HH:MM

You export a CSV file with the following columns:

Column	Content
Lock.DoorCode	Door code for the door where the locking device is located.
Lock.DoorName	Name of the door where the locking device is located.
Lock.BuildingAbr	Abbreviation for the building where the locking device is located.
Lock.BuildingLocation	Location of the building where the locking device is located.
Lock.BuildingFloor	Floor on which the locking device is located.
Lock.RoomNumber	Room number for the room where the locking device is located.
Lock.Description	Description of the locking device
Lock.Type	Type of locking device

Column	Content
Lock.Battery	Locking device battery status 0 = OK 1 = Low battery 2 = Very low battery 3 = Locking device in freeze mode due to low battery
Lock.DoorMonitorState	Locking device DoorMonitoring status 0 = No DoorMonitoring 1 = Door is open 2 = Door is securely locked
Lock.Errors	Locking device error messages 0 = No error 1 = Manipulation detected on sensors 2 = Hardware error detected
Lock.Deactivation	Locking device deactivation 0 = Not deactivated 1 = Locking device deactivated
Sector.Name	Name of the area to which the door with locking device belongs.
LockingSystem.Name	Name of the locking system to which the locking device belongs.
Lock.SerialNumber	Serial number of the locking device. Each locking device can be uniquely identified with the serial number.
Lock.ID	ID of the locking device. This ID assigns the locking device in the locking system.

## 6.6 Exporting areas

### Export areas

You export a CSV file with the following columns:

Column	Contents
Sector.Name	Name of the area
Sector.Description	Description of the area
LockingSystem.Name	Name of the locking system where the area is located.

## 6.7 Exporting group rights

### Export group rights

You export a CSV file with the following columns:

Column	Contents
LOCKINGSYSTEM.NAME	Name of the locking system from which the group right comes.
TRANSPONDERGROUP.NAME	The authorised transponder group's name

Column	Contents
SECTOR.NAME	Area to which the transponder group has access.

## 7 Log

### Protocol tab

You can track the program's events and processes in the program's log. Some events are described in detail. You can unhide this description.

Time	Task Type	Task File	Status
DD.MM.YYYY HH:MM:SS	export individual rights	C:\Users\jgork\Desktop\Taskfileen (SCT)...	succeeded
DD.MM.YYYY HH:MM:SS	export individual rights	C:\Users\jgork\Desktop\Taskfileen (SCT)...	started
DD.MM.YYYY HH:MM:SS	export group rights	C:\Users\jgork\Desktop\Taskfileen (SCT)...	succeeded
DD.MM.YYYY HH:MM:SS	export group rights	C:\Users\jgork\Desktop\Taskfileen (SCT)...	started
DD.MM.YYYY HH:MM:SS	export areas	C:\Users\jgork\Desktop\Taskfileen (SCT)...	succeeded
DD.MM.YYYY HH:MM:SS	export areas	C:\Users\jgork\Desktop\Taskfileen (SCT)...	started
DD.MM.YYYY HH:MM:SS	export groups	C:\Users\jgork\Desktop\Taskfileen (SCT)...	succeeded
DD.MM.YYYY HH:MM:SS	export groups	C:\Users\jgork\Desktop\Taskfileen (SCT)...	started
DD.MM.YYYY HH:MM:SS	export doors	C:\Users\jgork\Desktop\Taskfileen (SCT)...	succeeded
DD.MM.YYYY HH:MM:SS	export doors	C:\Users\jgork\Desktop\Taskfileen (SCT)...	started
DD.MM.YYYY HH:MM:SS	export persons	C:\Users\jgork\Desktop\Taskfileen (SCT)...	succeeded
DD.MM.YYYY HH:MM:SS	export persons	C:\Users\jgork\Desktop\Taskfileen (SCT)...	started
DD.MM.YYYY HH:MM:SS	replace transponders	C:\Users\jgork\Desktop\Taskfileen (SCT)...	succeeded
DD.MM.YYYY HH:MM:SS	replace transponders	C:\Users\jgork\Desktop\Taskfileen (SCT)...	started
DD.MM.YYYY HH:MM:SS	replace transponders	C:\Users\jgork\Desktop\Taskfileen (SCT)...	succeeded
DD.MM.YYYY HH:MM:SS	replace transponders	C:\Users\jgork\Desktop\Taskfileen (SCT)...	started
DD.MM.YYYY HH:MM:SS	delete individual rights	C:\Users\jgork\Desktop\Taskfileen (SCT)...	succeeded
DD.MM.YYYY HH:MM:SS	delete individual rights	C:\Users\jgork\Desktop\Taskfileen (SCT)...	started
DD.MM.YYYY HH:MM:SS	add individual rights	C:\Users\jgork\Desktop\Taskfileen (SCT)...	succeeded
DD.MM.YYYY HH:MM:SS	add individual rights	C:\Users\jgork\Desktop\Taskfileen (SCT)...	started
DD.MM.YYYY HH:MM:SS	add doors	C:\Users\jgork\Desktop\Taskfileen (SCT)...	succeeded

■ Click on the **...** button to open the description.

↳ The "Error Details" window will open. It contains a description of the event.

The program updates the log on an on-going basis. You need to refresh the log to see the latest events in the log.

■ Use the **Reload** button to update the log display.

↳ New events are also shown.

## 8 Settings

### 8.1 Configuring service

You can make more precise settings for Smart.XChangeService in this area "Service". You can pause the service, configure the log's memory location and relocate the working folder.

LSM user for Import/Export tasks

Sign in as

Login  Password

#### Start/Stop

This is where you can launch and end the service *SimonsVoss Smart.XChangeService* responsible for synchronisation.



#### NOTE

##### Synchronisation and export paused by ending the service

Database synchronisation and export from the LSM database do not function without the service running. Synchronisation and export are executed as per the time schedule as soon as the service is re-started.

#### Settings blocked

The settings in the "Service" section cannot be changed whenever the service is running.

- Click on **Start** or **Stop** to launch or end the service.
  - ↳ Service is launched or ended.
- ↳ Program shows the service's new status.

#### Protocol file

This is where you can determine where the log is to be saved. The log is generated automatically.

1. Click on the **...** button to open Explorer.
  - ↳ The Explorer window will open.
2. Determine the destination file.
3. Click on the **OK** button.
  - ↳ Explorer window closes.
- ↳ Working folder is relocated.

#### User Interface

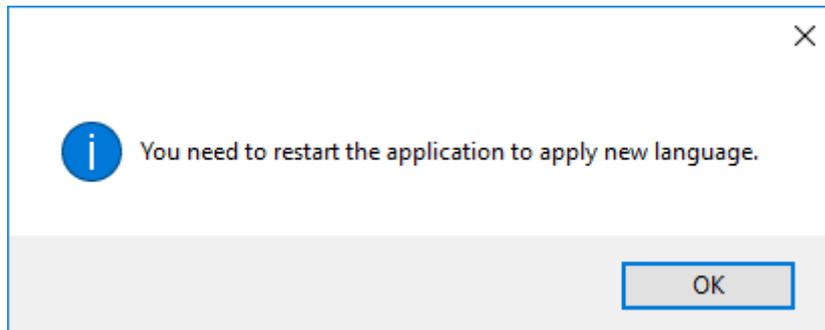
User Interface

Language

Here you can set the language of the Smart.XChange interface.

1. Select your desired language from the variable dropdown menu Language.

↳ The message window opens.

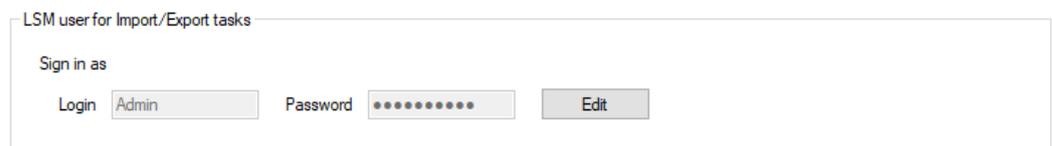


2. Close the Smart.XChange interface.
3. Reopen the Smart.XChange interface.

↳ Smart.XChange interface is in your desired language.

## 8.2 Configuring user account

You can use the "LSM user" section to change the login details for the LSM database without opening the program again. Smart.XChange uses this information to establish a connection with the LSM database.

A screenshot of a configuration window titled "LSM user for Import/Export tasks". Below the title, it says "Sign in as". There are two input fields: "Login" containing the text "Admin" and "Password" which is masked with dots. To the right of the password field is an "Edit" button.

### Configure user to perform Import/Export tasks



#### NOTE

#### Synchronisation and export paused due to incorrect login details

Database synchronisation and export from the LSM database require a connection to the LSM database. If the login details are outdated or incorrect, Smart.XChange is unable to establish a connection with the database.

1. Click on the **Edit** button to unlock the input mask.  
↳ The input mask is no longer greyed out.
2. Enter the login details.
3. Click on the **Apply** button to save the input.  
↳ Login details have been modified.

### 8.3 Configuring exports

You can use the "Export settings" section to change the settings for CSV files which are created when data records are exported from the LSM database.



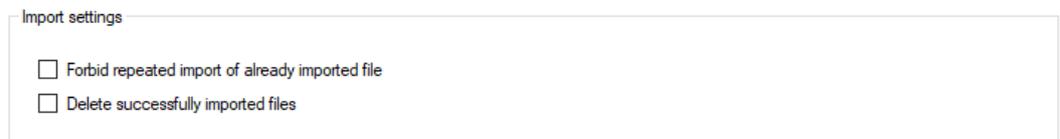
The screenshot shows a form titled "Export settings" with two dropdown menus. The first dropdown is labeled "File Encoding" and is set to "Windows-1252". The second dropdown is labeled "CSV Delimiter" and is set to a semicolon (;).

You can use the drop-down menu next to ▼ **File Encoding** to configure the character encoding for the export file.

You can use the drop-down menu next to ▼ **CSV Delimiter** to configure the separator character for the export file.

### 8.4 Configuring imports

You can use the area "Import settings" to determine the procedure for folders which have already been imported.



The screenshot shows a form titled "Import settings" with two checkboxes. The first checkbox is labeled "Forbid repeated import of already imported file" and is checked. The second checkbox is labeled "Delete successfully imported files" and is unchecked.

If you check the box next to  Forbid repeated import of already successfully imported file you prevent the same file from being imported again and used for synchronisation. Each file can only be imported and used for synchronisation once if this box is marked.

Checking the box next to  Delete successfully imported files deletes the successfully imported files again and does not use them for synchronisation either.

## 9 Help and other information

### Information material/documents

You will find detailed information on operation and configuration and other documents under Informative material/Documents in the Download section on the SimonsVoss website (<https://www.simons-voss.com/en/downloads/documents.html>).

### Software and drivers

Software and drivers can be found on the SimonsVoss homepage in the service area during software downloads (<https://www.simons-voss.com/en/service/software-downloads.html>).

### Declarations of conformity

You will find declarations of conformity for this product in the Certificate section on the SimonsVoss website (<https://www.simons-voss.com/en/certificates.html>).

### Hotline

If you have any questions, the SimonsVoss Service Hotline will be happy to help you on +49 (0)89 99 228 333 (German fixed network; call charges vary depending on the operator).

### Email

You may prefer to send us an email.

support-simonsvoss@allegion.com (System 3060, MobileKey)

### FAQs

You will find information and help for SimonsVoss products in the FAQ section on the SimonsVoss website (<https://faq.simons-voss.com/otrs/public.pl>).

### Address

SimonsVoss Technologies GmbH  
Feringastrasse 4  
85774 Unterföhring  
Germany



## This is SimonsVoss

SimonsVoss is a technology leader in digital locking systems.

The pioneer in wirelessly controlled, cable-free locking technology delivers system solutions with an extensive product range for SOHOs, SMEs, major companies and public institutions.

SimonsVoss locking systems unite intelligent functions, optimum quality and award-winning German-made design. As an innovative system provider, SimonsVoss attaches great importan-

ce to scalable systems, effective security, reliable components, high-performance software and simple operation.

Our commercial success lies in the courage to innovate, sustainable thinking and action, and heartfelt appreciation of employees and partners. With its headquarters in Unterföhring, near Munich, and its production site in Osterfeld, eastern Germany, the company employs around 300 staff in eight countries.

SimonsVoss is a company in the ALLEGION Group, a globally active network in the security sector. Allegion is represented in around 130 countries worldwide ([www.allegion.com](http://www.allegion.com)).

© 2020, SimonsVoss Technologies GmbH, Unterföhring

All rights are reserved. Text, images and diagrams are protected under copyright law.

The content of this document must not be copied, distributed or modified. More information about this product can be found on the SimonsVoss website. Subject to technical changes.

SimonsVoss and MobileKey are registered brands belonging to SimonsVoss Technologies GmbH.

