SLIDA SDK*⁾

SidexisSlidaConfiguration**⁾

Version 1.0 (Released)

*) ”*SLIDA*” = **S**oftware **LI**nk for **D**ental **A**pps
) ”*SIDEXIS*" = **SIrona **DE**ntal **X**-ray and **I**maging **S**ystem

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History

Version	Date	Author, dept.	Change
1.0	06.10.16	J. Zimmermann, GBE	Approval & translation

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1 Motivation

1.1 Overview

This document describes the usage of tool "SidexisSlidaConfiguration(.exe)", in short "SSC".

Exchange of information and data between a communication partner like a patient management system ("PMS") and SIDEXIS 4 / XG is achieved via the SLIDA interface.

In order to establish communication exchange between SIDEXIS and its partners, the PMS has to be added to the SIDEXIS configuration as a communication partner ("SLIDA partner").

This document describes how one ore more new communication partners can be created, how settings for existing communication partners can be changed and how SLIDA multi-station settings can be configured automatically without having to do manual steps.

1.2 Scope

The software described here can be used with SIDEXIS 4 (from v4.1.2 onwards) as well as together with SIDEXIS XG.

1.3 Files

The SSC project contains:

File	Description
SidexisSlidaConfiguration.exe	SSC executable
SidexisSlidaConfiguration.exe.config	Default .net configuration of executable
SidexisSlidaConfiguration.xml	SLIDA configuration containing sample data
log4net.dll	Assembly containing logging functionality
SidexisSlidaConfiguration.pdf	This documentation

2 Structure

You can create one or more new communication partners or change the settings of existing SLIDA partners.

Besides you can define or change SIDEXIS multi-station settings.

2.1 Command line call

The required data is inserted into an XML configuration file (*SidexisSlidaConfiguration.xml*). Then the SSC executable is started. Since SSC expects the configuration file with the given name to be in its very directory, no command line parameters are necessary.

SSC transfers the settings to the SIDEXIS configuration. Initially the configuration file is filled with demo data. The XML configuration file *SidexisSlidaConfiguration.xml* must reside in the same directory as the SSC executable file.

2.2 Configuration file

2.2.1 Overview

The following example illustrates the content of the XML configuration file in case that 1 new partner PMS named "TestPartner" should be added to the SIDEXIS configuration:

```
<?xml version="1.0" encoding="utf-8" ?>
<SlidaConfiguration
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <CommunicationPartners>
    <CommunicationPartner>
      <PartnerName>TestPartner</PartnerName>
      <MailboxFilename>D:\PDATA\TestPartner.sdx</MailboxFilename>
      <IsAccounting>true</IsAccounting>
      <IsPatientDataBase>true</IsPatientDataBase>
      <CanBeAccessedByProgramChange>true</CanBeAccessedByProgramChange>
      <NameAndPathOfSoftware>D:\TestPath\Software.exe</NameAndPathOfSoftware>
      <WindowClassName>TestWindowClassName</WindowClassName>
    </CommunicationPartner>
  </CommunicationPartners>
</SlidaConfiguration>
```

The root XML element has to be <SlidaConfiguration>. The root can have up to 2 child elements, <InMailbox> (Optional, irrelevant here, see below) and <CommunicationPartners>. Both child elements are optional, but if they are used, they must only appear once.

Inside <CommunicationPartners>, one ore more <CommunicationPartner> elements can be located. Each <CommunicationPartner> element contains the information for a single communication partner.

When configuring a communication partner, property <PartnerName> must be set. The remaining properties are optional. If the optional properties are not present SIDEXIS will assume the very same default values that get applied in manual configuration.

2.2.2 <InMailbox> element properties

Detailed description:

Element name	Condition	Description

Element name	Condition	Description
MailboxFile	Optional	The complete name of the incoming mailbox file including the path
SingleOrderAccept	Optional	Should a single order be accepted immeditately (true / false)
OrdersCanBeAcceptedHere	Optional	Orders can be accepted here (true / false)
AcceptOrdersAfterPatientLogin	Optional	Accept orders after patient login (true / false)

2.2.3 <CommunicationPartner> element properties

Detailed description:

Element name	Condition	Description
PartnerName	Mandatory	The name of the configuration partner. This entry is mandatory, the name can be chosen as wanted. When creating more than one communication partner it is important that a partner name can be chosen only once.
MailboxFilename	Optional	The complete name of the mailbox file including the path
IsAccounting	Optional	Should accounting information be exchanged (true / false)
ReportInternalIdIfExternalIsMissing	Optional	Report the internal ID if the external one is missing (true / false)
IsPatientDataBase	Optional	Patient database (true / false)
IsImageExchange	Optional	Image exchange (true / false)
AutomaticallyReceivesCopy	Optional	Automatically receives a copy of new exposures (true / false)
IntegratePatientNameInImageFileName	Optional	Integrate patient name into the filename (true / false)
CanBeAccessedByProgramChange	Optional	Can be accessed by program change (true / false)
NameAndPathOfSoftware	Optional	Name and path of the software
WindowClassName	Optional	Window class name (For searching running processes)

3 Use cases

3.1 Create a new partner and perform multi-station settings

Step 1:

To perform multi-station settings and create a communication partner in a single step, the supplied sample configuration file can be edited accordingly. When creating without the use of templates, you can be guided by the configuration file shown above.

Each communication partner is reported with a <CommunicationPartner> element as child element of the <CommunicationPartners> element. You can configure not only one but also several communication partners with a single call. This is done when you insert further <CommunicationPartner> elements as sub-elements within the <CommunicationPartners> element.

Step 2:

Once the file is completed, SSC must be started to transmit the data.

Step 3 (optional):

After performing steps 1 and 2 it is recommended to create a backup of the configuration file. A backup configuration file facilitates future changes to the settings.

3.2 Create a new partner

Step 1:

For a new communication partner either a new file SidexisSlidaConfiguration.xml is created or an existing SidexisSlidaConfiguration.xml file is reused. Because in this case only one or more communication partners should be created and no multi-station settings are made, the <InMailbox> element is omitted. The configuration file then has the following structure:

```
<?xml version="1.0" encoding="utf-8" ?>
<SlidaConfiguration
 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <CommunicationPartners>
     <CommunicationPartner>
        …
     </CommunicationPartner>

     <CommunicationPartner>
        …
     </CommunicationPartner>

     …
  </CommunicationPartners>
</SlidaConfiguration>
```

Only element <PartnerName> is mandatory and must be non-empty.

When creating a new communication partner, it is important that a partner name is assigned that does not yet exist. If multiple communication partners should be set up, we recommend to perform optional step 3 after completion of steps 1 and 2.

Step 2:

After editing of the XML file has been finished, start SSC to transmit the data.

Step 3 (optional):

After performing steps 1 and 2, it is recommended to create a backup of the configuration file. A backup configuration file facilitates future changes to the settings.

3.3 Change configuration for an existing partner

The settings for an existing communication partner can also be changed at a later point in time.

Step 1:

This requires that in configuration file "SidexisSlidaConfiguration.xml", element <PartnerName> the name of the according partner needs to be set. If step 3 was executed during creation of a new partner the saved file can be copied and renamed "SidexisSlidaConfiguration.xml". Thereafter the changes may be made, and SSC can be started. Remember that "SidexisSlidaConfiguration.xml" must reside in the same directory as SSC.

Step 2:

After editing the file has been finished SSC needs to be started to transmit the data.

Step 3 (optional):

Optional creation of a backup of the XML file.

3.4 Perform multi-station settings only

There is the further possibility of configuring only multi-station settings without configuring a communication partner.

Step 1:

Child elements of the <InMailbox> element are edited. <CommunicationPartners> element is omitted. In that case the configuration file has the following structure:

```
<?xml version="1.0" encoding="utf-8" ?>
<SlidaConfiguration
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <InMailbox>
    <MailboxFile>……</MailboxFile>
    <SingleOrderAccept>..</SingleOrderAccept>
    <OrdersCanBeAcceptedHere>..</OrdersCanBeAcceptedHere>
  </InMailbox>
</SlidaConfiguration>
```

All elements are optional.

The procedure to create and to change an existing configuration is the same.

Step 2:

After editing the file has been finished SSC needs to be started in order to transfer the data.

Step 3 (optional):

Eventually creation of a backup of the XML file.

4 Appendix

4.1 FAQ

This documentation is intended to cover the most important issues for the SLIDA configuration.

Q Has a partner name for a communication partner to be unique?

Yes, a partner name has to be unique. Has SSC already run with a partner name, the second run with the same partner name will update the existing partner rather than create a new one.

Q Needs the path to a mailbox file to be already existing?

Yes, when configuring the mailbox file take care that the path is already existing.

Q Which entries are mandatory and which are optional?

For a communication partner, only the partner's name is mandatory. Everything else is optional.

Q What about typing errors, are there any hints to incorrect entries?

Please take care that the boolean entries (true/false) are written correctly.

Please make sure that SSC and „SidexisSlidaConfiguration.xml" reside in the same directory.

It will be easier and will simplify the configuration much when you edit file „SidexisSlidaConfiguration.xml" with an XML editor. When an error occurs and you try to save the file a message will be shown.

4.2 Installation

Minimum requirement is the installation of SIDEXIS XG from version 2.62 onwards or SIDEXIS 4 from v4.1.2 onwards.

Files „SidexisSlidaConfiguration.exe" and „SidexisSlidaConfiguration.xml" must reside in the same directory.

.net runtime 4 is required.

4.3 SSC return error codes

A call to SSC returns with one of the following error codes:

(Error code 0: Programm ran correctly and has finished)

Error code 13: Illegal data

Error code 21: SIDEXIS OptionsManager not ready

Error code 80: The specified mailbox file already exists

Error code 82: Error during internal SIDEXIS 4 synchronisation

4.4 Comparison to legacy entries

For the convenience of apps which have tried to place their configuration to SIDEXIS by directly writing to a sifiledb.ini file located in (hard-coded) C:\Sidexis, subsequently the former sifiledb.ini keys are matched against the XML elements of the XML command line file:

sifiledb.ini key	SidexisSlidaConfig.xml element name
[OfficeManagement] OffManName=XXX	<PartnerName>
[XXX] MakesMoney= UseAlsoManualID= HasPatient= Analyst= AutoMailNew= PatientInFilename= TaskSwitch= TaskPath= WndClass=	<IsAccounting> <ReportInternalIdIfExternalIsMissing> <IsPatientDataBase> <IsImageExchange> <AutomaticallyReceivesCopy> <IntegratePatientNameInImageFileName> <CanBeAccessedByProgramChange> <NameAndPathOfSoftware> <WindowClassName>
[ToStation1] File=	<MailboxFilename>

(To the left a single SLIDA communication partner named "XXX" is assumed.)