SAFEXPERT WHITEPAPER



# **Safexpert Installation MSI**

## **Distribution as MSI packet**

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## Contents

1.	Short ov	erview of the software distribution via MSI	2
2.	Necessa	ry steps	2
	2.1. Unz	zipping the MSI packet	2
	2.2. Cus	stomising the MSI-packet	2
	2.2.1.	Necessary settings for the DBCONNECTION parameter	3
	2.2.2.	AddLocal components	4
	2.2.3.	Additional optional parameters for DBCONNECTION	4
	2.3. Par	ameters for uninstalling	5



## 1. Short overview of the software distribution via MSI

This document is an addition to the installation manual of Safexpert (see chapter **Installing Safexpert** in Safexpert HELP AND INFO CENTER).

Safexpert can be distributed automatically via Active Directory. The required MSI packet (Microsoft Installer) can be extracted directly from the Safexpert setup for this process.

## 2. Necessary steps

### 2.1. Unzipping the MSI packet

Create a link to the Safexpert setup file and add the output folder to the command line parameters:

-ExtractSetup output folder

Start the setup via the link. The MSI file is then unzipped to the selected folder.

## 2.2. Customising the MSI-packet

The extracted MSI-packet requires some additional settings. The **Orca MSI Editor**, for example, is a suitable tool for editing a MSI file.

#### Procedure

1 Open the file Safexpert.msi with a suitable MSI editor and select the menu item **Transform - New Transform**.

🕂 Safexpert.msi - Orca						
File Edit Tables	Transform Tools View Help					
	New Transform					
Tables AdminExecuteSec AdminUISequence AdvtExecuteSequ	View Patch Generate Transform Close Transform					
AppSearch Binary	Transform Properties					
Component Condition						
CustomAction						
Feature						
FeatureCompone	ents					

2 Add the corresponding entries in the Value column in Property DBCONNECTION and AddLocal.

ile Edit Tables Transform	Tools View Help	
🗅 🚅 🖬 🐇 🖬 📾 💱	* 🖻 🛒 🚟	
ables	Property	Value
AdminExecuteSequence	UpgradeCode	{CD580DF4-190D-410A-8062-65187B869F8B}
AdminUlSequence	ARPPRODUCTICON	Safexpert.ico
AdvtExecuteSequence	MainExecutable	Safexpert.exe
AppSearch	ProductNameInternal	Safexpert
Binary	ProductTitle	Safexpert 8.3 SP2
Component	ALLUSERS	2
Condition	SETUPEDITION	IBF
CreateFolder	SPECIALVERSION	SE
CustomAction	MINOFFICEVERSION	14.0
Directory	MAXOFFICEVERSION	16.9
DuplicateFile	MINOFFICEVERSIONTEXT	2010
Feature	MAXOFFICEVERSIONTEXT	2016
FeatureComponents	OFFICEADDINSETUP	0
File	Manufacturer	Safexpert
lcon	ProductCode	{9427E821-E27D-4EF0-8C6D-35476D437E78}
InstallExecuteSequence	ProductLanguage	1033
InstallUISequence	ProductName	Safexpert
LaunchCondition	ProductVersion	8.3.41.10073
LockPermissions	SecureCustomProperties	DISABLEMSIUPGRADE;NETFRAMEWORK40FULL;OLDERVERSIONBEINGUPGRADED
Media	WixPdbPath	E:\Source\NG trunk\IBF Solution\SetupBin\out\Safexpert.wixpdb
MsiAssembly	DBCONNECTION	DBTYPE=MSSQL2008;DBSERVER=localhost;DBDATABASE=Safexpert;DBUSERNAME=;DBPASSWORD=;DBCREATE=True;DBPORT=0
MsiAssemblyName	AddLocal	Client.Helpfiles.Database.OfficeAddin
MsiFileHash		
Property		
RegLocator	_	
Registry		
RemoveFile		
Shortcut		
Signature		
Upgrade		
Validation		

The necessary settings for **DBCONNECTION** can be found in chapter 2.2.1The optional settings for **DBCONNECTION** can be found in chapter 2.2.3The possible settings for **AddLocal** can be found in chapter 2.2.2.

#### 3 Select Generate Transform in menu Transform.

<del>ه،</del> s	Safexpert.msi (transformed by Untitled) - Orca											
File	Edit	Tables	Transform	Tools	View	Help	2					
D	<b>1</b>		New Tra Apply Tr	nsform ansform			<b></b>					
Tab	es		View Pat	ch								
	aminex amint II	Sequence	Generat	e Trans	form							
AdvtExecuteSequence		cuteSequ	Close Transform									
AppSearch		ch	Transform Properties									
Binary			_				1					
C	ompon	ent										
Condition												
CustomAction												
Directory												
Feature												
FeatureComponents												

- 4 Save the file with the desired name in the **Save Transform As** window. The file type **mst** is important here (for example: SafexpertConfig.mst).
- 5 Close Orca.
- 6 Open the **Windows prompt** and enter the following: msiexec.exe /i "C:\Temp\Safexpert.msi" TRANSFORMS="C:\Temp\SafexpertConfig.mst".

Note: The specified path and the name of the mst-file are exemplary and may require modification.

#### 2.2.1. Necessary settings for the DBCONNECTION parameter

The following parameters are mandatory for a successful installation. Separate the parameters with a semicolon.

Please note: Do not add a semico	olon after the last parameter!
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Setting	Description / Possible values
DBTYPE	database type. Possible values: VistaDB, MSSQL2008
DBSERVER	Database server

EF



Setting	Description / Possible values
DBDATABASE	database (path to database in case of VistaDB)
DBPORT	Port
DBUSERNAME	User name
DBPASSWORD	Password
DBCREATE	Indicates whether a database should be created. Possible values: True or False
SETUP_LANGUAGE	Language for installation. Selected as default language for Safexpert (en, de, …)

#### 2.2.1.1. DBCONNECTION example

The following is an example of a possible configuration:

```
DBTYPE=MSSQL2008;DBSERVER=localhost;DBDATABASE=SAFEXPERT;DBUSERNAME=;DBPASSWORD=;DBCR
EATE=True;DBPORT=0;SETUP_LANGUAGE=de
```

**Note:** In the above example, DBUSERNAME and DBPASSWORD were left blank. This is true if Windows Authentication is used. Otherwise enter the corresponding USERNAME and PASSWORD here.

#### 2.2.2. AddLocal components

Select the components to be installed. Separate the components with a comma.

Settings	Description / possible values
ADDLOCAL	Client,Database,HelpFiles,OfficeAddin

#### 2.2.3. Additional optional parameters for DBCONNECTION

Parameter	Description
INSTALLLOCATION	Set this parameter to the directory in which Safexpert should be installed.
SETUPLANGUAGE_DE SETUPLANGUAGE_EN SETUPLANGUAGE_ES SETUPLANGUAGE_FR	Set one of these parameters to the value 1 for creating a link in the Windows start menu to the corresponding help file.
TERMINALMODE	Set this parameter to 1 to activate the terminal mode for the use under Windows Terminal or Citrix.
LICENSENUMBER	Use this parameter to set the license number. This information is required only for server installations since only the database is licensed for Safexpert. Clients obtain their license directly via the connected database.
LICENSEFILE	Set this parameter to the path to a license file so that it is automatically imported.
IMPORTDEMOPROJECTS	Set this parameter to 1 for importing demo projects.
IMPORTCOMPONENTS	Set this parameter to 1 for importing the component library.



## 2.3. Parameters for uninstalling

If you want to uninstall Safexpert use the following settings in addition to the parameters listed above:

Parameter	Description				
REMOVEDATABASE	Set this parameter if the database should be deleted (only possible for VistaDB database).				
REMOVECONFIGFILES	Set this parameter if Safexpert configuration files should be removed.				