

Industry Online Support

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NEWS

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How do you migrate an AccessDB of the Plant Automation Accelerator or COMOS to an SQL server?

Plant Automation Accelerator / AccessDB

https://support.industry.siemens.com/cs/ww/en/view/109751358

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1 Introduction

Different databases can be used with PAA and COMOS. It is easiest and quickest to incorporate the local Access database. This is also the case in the as-delivered status. However, the maximum size of an Access database is limited so it is necessary to switch to the SQL database.

This document describes how to migrate an Access database to an SQL database.

For this you first have to connect the SQL database to PAA or COSMOS (see Entry ID: <u>109751359</u>).

2

Prepare the SQL Server for Plant Automation Accelerator / COMOS

- 1. Open the Plant Automation Accelerator (PAA
- **NOTE** In The following entry only PAA will be mentioned. In COMOS you can migrate your Access database to an SQL database with the same steps.
 - 2. Click the "Open database" icon 🗐.
 - 3. In the "Open database" dialog you enable the "SQL server" option field and in the "Database" and "User name" drop-down list boxes you select the relevant items.
 - 4. Click "OK".

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5. Confirm the "Check table in..." message by clicking the "Yes" button.



6. Confirm the "Database indexes created" message by clicking the "OK" button.



7. Confirm the "Different software versions on workstations..." message by clicking the "OK" button.



8. Close the PAA.

3

Migrate the Access Database to the SQL Server

1. Open the path "C:\Program Files (x86)\COMOS\102\Current\Bin" and doubleclick the Setup file "ExportDB.exe".

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File Edit View Tools Help							
Organize 🔻 🔳 Open with	Organize 🔻 🔳 Open with New folder						
🔆 Favorites	Name	Date modified	Туре				
🔜 Desktop	ExecuteXIF.exe	13.03.2008 11:51	CONFIG				
〕 Downloads	ExecuteXIF.exe.Manifest	14.02.2014 15:45	MANIFE				
🖳 Recent Places	🔶 ExportDB	24.01.2017 01:17	Applicat				
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- 2. Configure the "Export COMOS database" windowas follows:
- 1. Select the "Microsoft Jet" checkbox.
- 2. Select your Access Database.
- 3. Open the "Username" drop-down list and select "@Setup".
- 4. Select the "SQL server" checkbox.
- 5. Open the "Database" Drop-down list and select your SQL databse.
- 6. Select your "Document directory".
- 7. Click on "Next"

🔶 Export COMOS databa	se	_		×		
Source: Open database						
Microsoft Jet	Oracle	(SQL s	server		
Da 2	D:\Database\Access_Database\Access_Database.mdb					
User name	@SETUP		3	1		
Source: Without delet	Source: Without deleted objects					
DB synchronization (ir	cludes deleted objects)					
Target: Database						
O Microsoft Jet	Oracle	4	SQL 9	server		
Database	SQL_Database		6	-		
Document directory:	D:\Database\SQL_Database\Documen	t directory				
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3. Mark the project to be migrated and click the "Export" button.

- Export oor	MOS database	_		×	
elect projects	s to export:				
Type	Name	Description 1	Descriptio	n 2	
System	@COMOSSYSTEM	System project			
Templates	@Template_T01	Template for process engineering	acc. ISO 10	628	
Templates	@Template_T02	Template for electrical engineering	Connection	n objects	
Templates	@Template_T03	FEED (Best practice O&G)	The templa	ate projec	t is p
Engineering	iDB_P01	Demo project IE IO			
Base objects	SO1	Base project iDB			
Engineering	USERS				
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Include wo	2 rking layers in expor	t 1	Export	Can	cel

4. Confirm the "The target database already exists..." message by clicking the "Yes" button.



5. In the "Export" dialog field check the "Source" and "Target" data and then click the "Yes" button.



The export process takes several minutes depending on the data volume.

6. In the "Export completed..." click the "OK" button.



4 Open the SQL Database in PAA / COMOS

- 1. Open the PAA.
- In the task bar you click the "Open database" icon . In the "Open database" dialog you enable the "SQL server" option field and in the "Database" and "User name" drop-down list boxes you select the relevant items. Click "OK".

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Result

You have migrated your Access database to a SQL database.