Instructions for NEW SERVER migration ABELDent Version 14.8.2 (OLD SERVER) to 14.8.2 (NEW SERVER).

OLD SERVER

- 1. Make an SQL backup "BAK" See <u>"Create a Full Database Backup</u>"
- 2. It is advisable to STOP AND DISABLE 3 services, SQL Server (MSSQLSERVER), SQL Server Agent (SQLSERVERAGENT) and SentinelLM do this in services.
- 3. Copy the entire contents of the (old server) ABELDent folder over to the new server desktop, C or D drive, we suggest renaming the folder to ABELDent_old when it gets to the new server.

NEW SERVER PREPARATION

- 4. Install SQL Server 2022 and SQL management studio SSMS. Installers will be supplied to you if required and licenses purchased. See document <u>"Installing SQL Server 2022"</u> and <u>"SQL management studio SSMS"</u>
- Restore the SQL Abeldent data BAK file (created on the old server) in SQL management studio.
 See document <u>"Restoring database"</u>
- 2. NOTE at this point the database will be version 14.8.2.
- 3. **Install a fresh copy of ABELDent DCS 14.8.2-E** to your desired installation destination. Installers will be supplied to you if required.
- 4. Copy 4 folders (see below) from the (renamed ABELDent_old folder (from old server) to the current install directory ...

DATA, ENV, GATEWAY, MASTSPEC, and 1 file called "sched.ini"

IMPORTANT: Creating an SQL Maintenance plan next is critical to ensure data is backed up

See document <u>"Creating SQL SERVER Maintenance Plan"</u>

<u>It is your responsibility to ensure the new server is backed up</u>. Some offices do their own backups, while some subscribe to ABELDent RBR Cloud Backups. If you have ABEL RBR please contact us at 1-800-267-ABEL (2235) Ext. 2 to move it to the new server.

When ready Call 1-800-267-2235 x 2 for Licencing / gateway (for ITRANS) setup

Create a Full Database Backup

Create a Full back up to disk to non-default location using SQL Server Management Studio

Backups created by more recent version of SQL Server can't be restored in earlier versions of SQL Server.

Below find instructions. The **database will be called abel not SQLTestDB** (this is for for example purposes only) The database will be backed up to disk at a location of your choice.

After connecting to the appropriate instance of the Microsoft SQL Server Database Engine, in Object Explorer, expand the server tree.

Expand Databases, right-click SQLTestDB, point to Tasks, and then select Back Up....



On the General page in the Destination section select **"Disk"** from the Back up to: drop-down list.



Select "Remove" until all existing backup files have been removed.

Select "Add" and the "Select Backup Destination" dialog box will open.

Enter a valid path and file name in the File name text box and **use .bak** as the extension to simplify the classification of this file.

Select **"OK"** and then select **"OK"** again to start the backup.

When the backup completes successfully, select **"OK"** to close the SQL Server Management Studio dialog box.

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SQL 2022 install

13 items

 Quick access Desktop Downloads 	Name	 Date modified 9/13/2023 2:34 PM 	Туре	Size
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🕹 Downloads 🛛 🖈	Prerequisites	9/13/2023 2:34 PM	File folder	
	redist	9/13/2023 2:34 PM	File folder	
Documents 🖋	resources	9/13/2023 2:34 PM	File folder	
📰 Pictures 🛛 🖈		9/13/2023 2:34 PM	File folder	
J Music	🔜 x64	9/13/2023 2:34 PM	File folder	
Videos	autorun 🕼	9/13/2023 1:28 PM	Setup Information	1 KB
	📑 MediaInfo	9/13/2023 1:28 PM	XML Document	1 KB
OneDrive	setup	9/13/2023 1:28 PM	Application	130 KB
This PC	Setup.exe	9/13/2023 1:28 PM	XML Configuratio	1 KB
	SqlSetupBootstrapper.dll	9/13/2023 1:28 PM	Application exten	226 KB
Network	💀 SSMS-Setup-ENU	9/13/2023 1:28 PM	Application	644,163 KB
	/m ×64	9/13/2023 1:28 PM	Configuration sett	12 KB

Run the "setup.exe" in the "Standard" folder supplied.

Select "Installation" in the left pane, then "New SQL Server stand-alone installation"



Click the "I have a SQL License only" checkbox then "Next" through the license terms and product key

Edition	
Select the edition of SQL Serve	er 2022 you want to install.
idition iicense Terms Slobal Rules roduct Updates nstall Setup Files nstall Rules azure Extension for SQL Server feature Selection reature Rules reature Configuration Rules Ready to Install nstallation Progress Complete	Select an edition of SQL Server to install. You can choose to either use a SQL Server license that you have already purchased by entering the product key or choose pay-as-you-go billing through Microsoft Azure. You can also specify a free edition of SQL Server Developer, Evaluation, or Express. Evaluation has the largest set of SQL Server features, as documented in SQL Server Books Online, and is activated with a 180 -day expiration. Developer edition does not have an expiration, has the same set of features found in Evaluation, but is licensed for non-production database application development only. To upgrade from one installed edition to another, run the Edition Upgrade Wizard. Specify a free edition: Evaluation Use pay-as-you-go billing through Microsoft Azure: Warning: To enable this option, you must have an active Azure subscription that you will be required to provide along with a resource group, Azure region, and tenant ID later in setup. For more information, see https://aka.ms/ArcEnabledSqIPAYG. Standard Enter the product key: FG866-CHH2T-CB7NJ-XT7D2-V8V4X I have a SQL Server license with Software Assurance or SQL Software Subscription
SQL Server 2022 Setup License Terms To install SQL Server 2022, yc	< Back Next > Cancel → □ u must accept the Microsoft Software License Terms.
SQL Server 2022 Setup License Terms To install SQL Server 2022, yc Edition License Terms	Wext > Cancel u must accept the Microsoft Software License Terms. SQL Server 2022 Standard Edition
SQL Server 2022 Setup License Terms To install SQL Server 2022, yc Edition License Terms Global Rules Product Updates Install Setup Files Install Rules Azure Extension for SQL Server Feature Selection Feature Selection Feature Configuration Rules Ready to Install Installation Progress Complete	Vou MUST ACCEPT THE SOFTWARE LICENSE TERMS. SEE BELOW. Please read the full license terms provided at (aka.ms/useterms). DATA COLLECTION. The software may collect information about you and your use of the software and send that to Microsoft Microsoft may use this information to provide services and improve Microsoft's products and services. Your opt-out rights, if any, are described in the product documentation. Some features in the software may enable collection of data from users of your applications that access or use the software. If you use these features to enable data collection in your applications, you must comply with applicable law, including getting any required user consent, and maintain a prominent privacy policy that accurately informs users about how you use. collect. and share their

The product will begin to download updates, extract, and install the setup files.

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The setup will check to see if your system has the **pre-requisites for installing SQL. If any of the conditions are not met, you will have to resolve them before proceeding**. Additional information on resolving the problems is contained in the link in the status column.

If there are no errors, click "next"

Install Rules Setup rules identify potential can continue.	problems tha	t might occur while running Setup. Failures must be correcte	d before Setup		
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License Terms					
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eature Configuration Rules		Computer domain controller	Passed		_
Ready to Install		Windows Firewall	Warning		
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Complete		mereserenter maneuren mie, er nemer, er regarea	- asses		_
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Uncheck "Asure Extension for SQL Server"

Edition License Terms Global Rules	Azure Extension for SQL Server	To install Azure extension for SQL Server, provide your Azure account or a service principal to authenticate the SQL Server instance to Azure. You also need to provide the Subscription ID, Resource Group, Region, and Tenant ID where this instance will be available the generation for each provide the subscription and the available of the service of the service available of the service of the service of the service of the service of the service of the service of the service of the service of the service of service of the service of the
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	Azure Tenant ID*	
	Proxy Server URL (optional)	

In Feature Selection check "Database Engine Services, Data Quality Client and Integration Services" then click "next"

Select the Standard features to	o install.			
License Terms Global Rules	Features:	Download It fro	Feature description:	
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	Shared feature directory:	C:\Program Files\Mid	crosoft SQL Server\ "	
	Shared feature directory (x86)	C:\Program Files (x86	i)\Microsoft SQL Server\	ï

Instance Configuration

If this is a new server and no other SQL database installed this next screen will create what's called a default instance for Abeldent data Click "next"

If there is a previous install of SQL for another so ware you may need create a Named Instance for Abeldent data. Click "next"

SQL Server 2022 Setup	n				-		×
Specify the name and instanc Edition License Terms Global Rules Product Updates Install Setup Files	Default instance of SC Operation of SC Named instance:* Instance ID	MSSQLSERVER	ID becomes part of	the installation path.			
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Click "next"



Click **"Add Current User"** to put the current account into the SQL Server Administrators group. Add any other accounts you want to have sysadmin SQL access.

🐮 SQL Server 2022 Setup				×
Database Engine Conf Specify Database Engine authe parallelism, Memory limits, and	guration ntication security mode, administrators, data directories, TempDB, Max degree of Filestream settings.			
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If you have done everything correctly you should see this

Your SQL Server 2022 install	ation completed successfully with product up	dates.		
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Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Ready to Install Installation Progress Complete	Details: Install successful.			
	Summary log file has been saved to the f	ollowing location: 60\Setup Bootstrap\Log\20231027_1	54551	

install SQL Management Studio SSMS

Download and install SQL Management Studio

https://learn.microsoft.com/en-us/sql/ssms/download-sql-server-management-studiossms?view=sql-server-ver16

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Restoring database

Open SQL management studio and Connect to the sql server Right click on **"databases"**



Select "restore database"

New Database	
Attach	
Restore Database	
Restore Files and Filegroups	
Filter +	
Deploy Data-tier Application	
Import Data-tier Application	
Start PowerShell	
Reports +	
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Select a page & General & Files & Options		Script - Source - O Dat	Help							2
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- 1. Select source from device
- 2. Click the box with 3 dots
- 3. Click **"add"** in select backup devices
- 4. Navigate to restore folder where BAK resides
- 5. Select desired restore point
- 6. Click **"OK"**

derep media ()pe.	File ~	
Backup media:		
::\ABELDent\Data\Backup	\Abel\Abel_backup_2019_12_04_060002	Add
		Remove
		Contents

- 6. Click **"OK"**
- 7. Click **"Options"**

Ready								
Peedy Peed a page General Poptions 7	Script Help Source Database: Database: Database: Destination Database: Restore to: Restore plan	C:VABELDent\Data\Backup Abel Abel The last backup taken (Wed	\Abel\Abel_ba	skup_20 nber 4, 2	119_12_04_060 1019 6:00:02 AM	002_131575	8.bak	
Connection ∳¥ .[ABEL\stephenp]	Restore Name	_2019_12_04_060002_1315758	Component Database	Type Full	Server STEPHENP	Database Abel	Position 1	First I 8994
View connection properties Progress Done	¢							>

8. Click "overwrite the existing database (with replace)"

NOTE * make sure take tail-log backup before restore is UNCHECKED ***** 9. Click **"OK"**

	RESTORE WITH RECOVERY	
Standby file:	C:\Program Files\Microsoft SQL Server\MSSQL12.MSSQLSERVER\MSSQL	
eave the database ready to	o use by rolling back uncommitted transactions. Additional transaction logs cannot be restored	
l og backup	make cure this is	
_ Take tail-log backup bel		
Leave source dat	abase in the restoring state checked	
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васкир пе:	C: (Program Hies (Microsoft SQL Server (MISSQL)2.MISSQLSERVER (MISSQL)	
ver connections		
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	each backup	
Prompt before restoring (
Prompt before restoring The Full-Text Upgrade	e server property controls whether full-text indexes are imported, rebuilt, or reset for the restore	

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