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 **"Create a Full Database Backup"**
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 **"Installing SQL Server 2022"** and **"SQL management studio SSMS"**

1. **Restore the SQL Abeldent data BAK file** (created on the old server) in SQL management studio.
See document **"Restoring database"**

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 **"Creating SQL SERVER Maintenance Plan"**

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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....
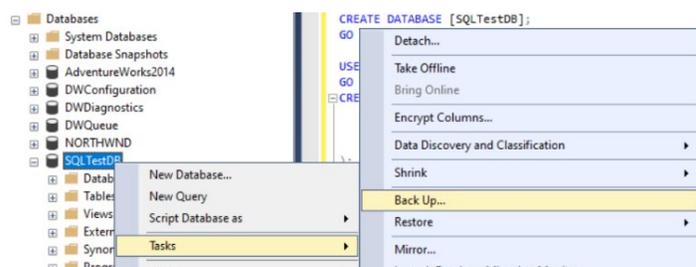
On the General page in the Destination section select **"Disk"** from the Back up to: drop-down list.
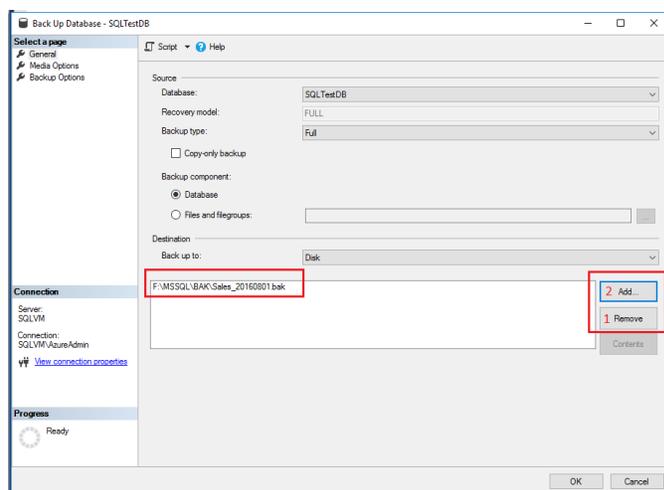
Select **"Remove"** until all existing backup files have been removed.

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

Run the **"setup.exe"** in the **"Standard"** folder supplied.
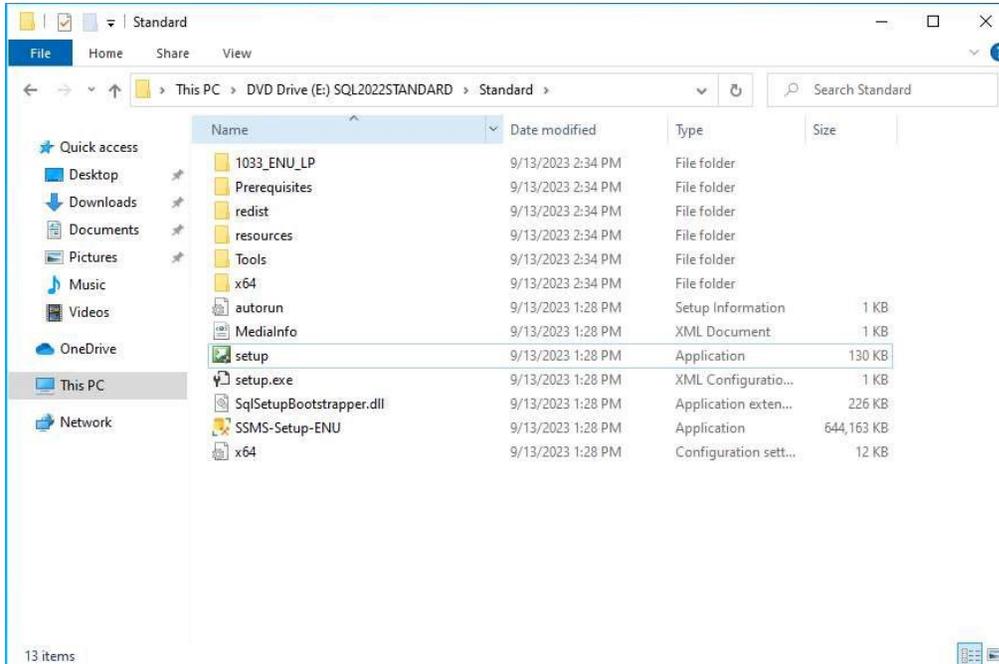
Select "Installation" in the left pane, then **"New SQL Server stand-alone installation"**
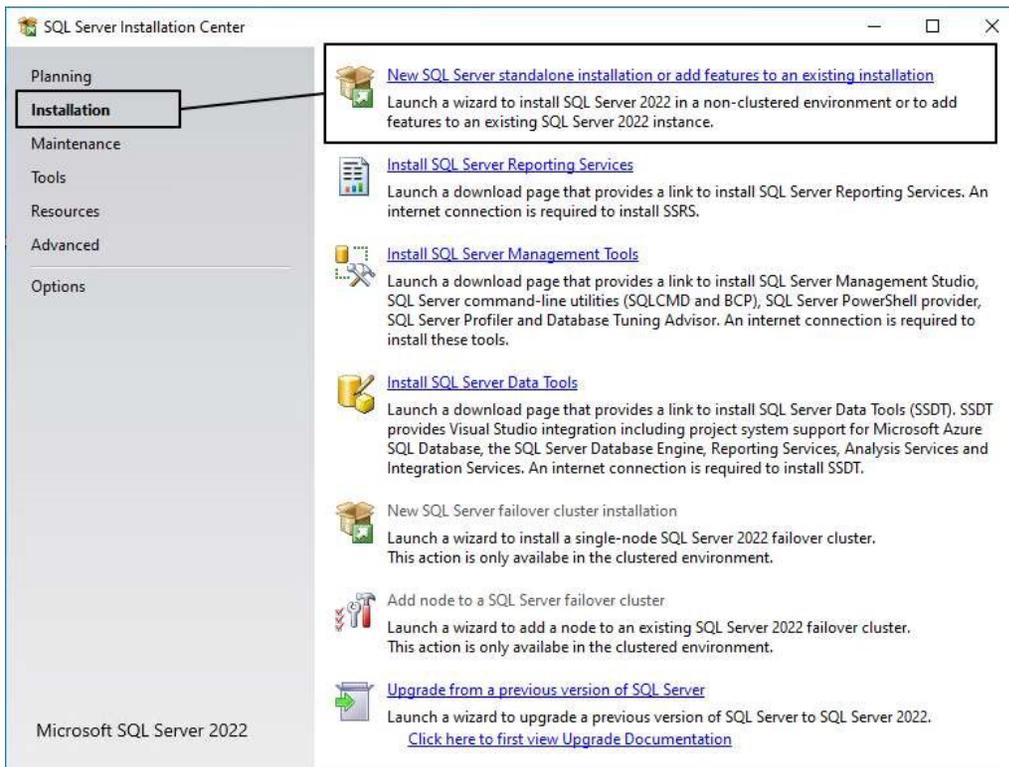
Click the **"I have a SQL License only"** checkbox then **"Next"** through the **license terms and product key**


The product will begin to download updates, extract, and install the setup files.
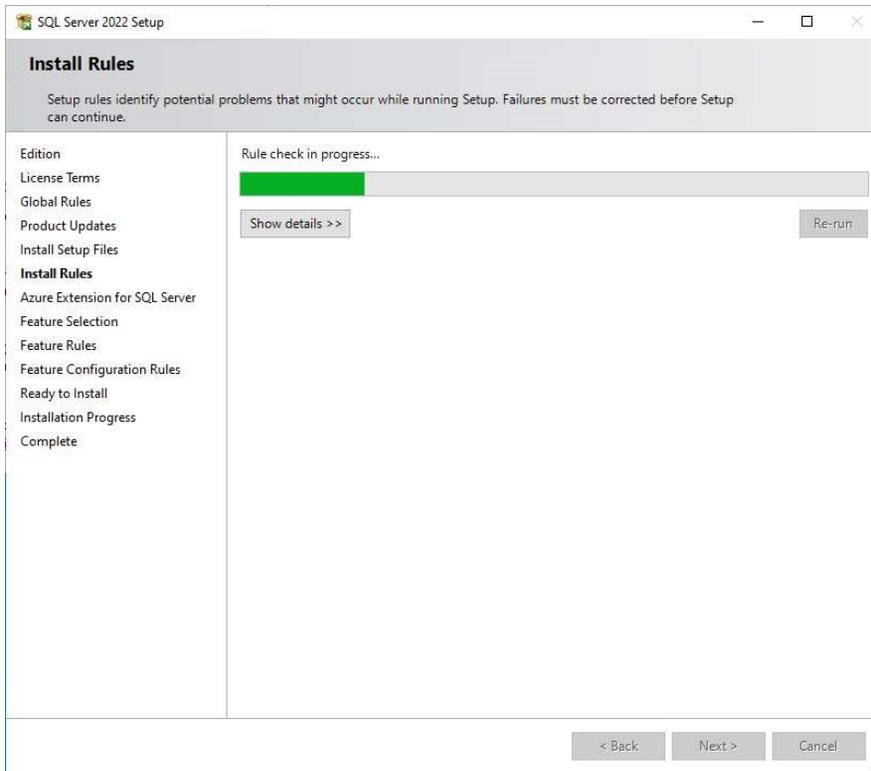
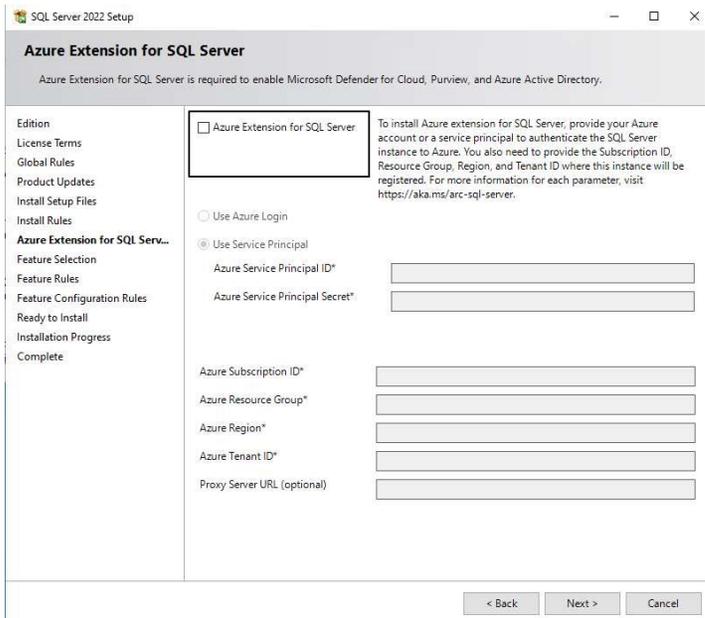The setup will check to see if your system has the **pre-requisites for installing SQL. If any of the conditions are not met, you will have to resolve them before proceeding**. Additional information on resolving the problems is contained in the link in the status column.
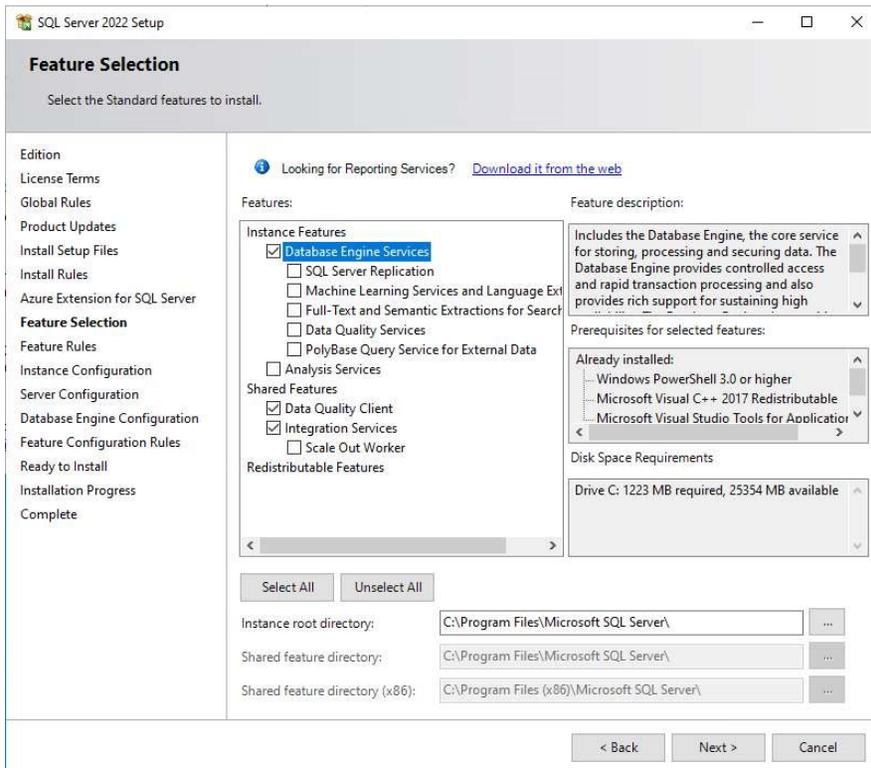
 If there are no errors, click **"next"**
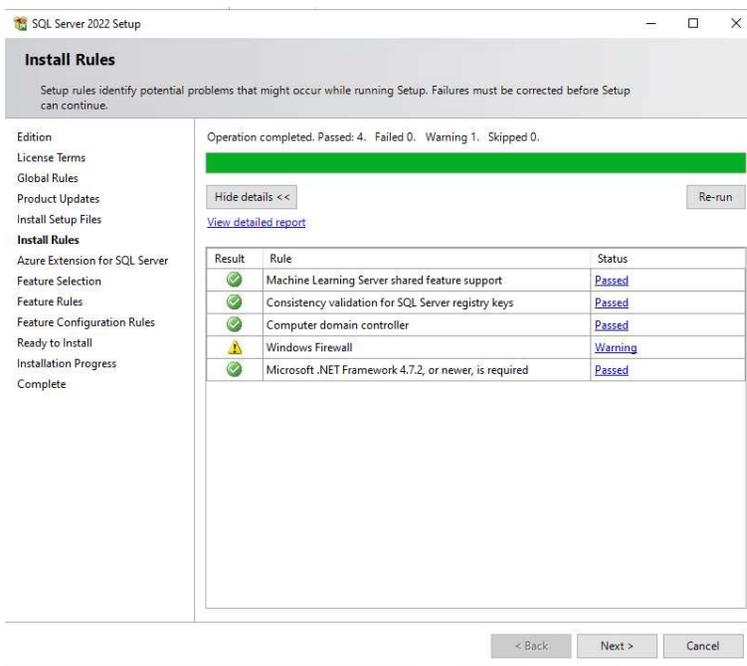
Uncheck **"Asure Extension for SQL Server"**

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

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"**

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.
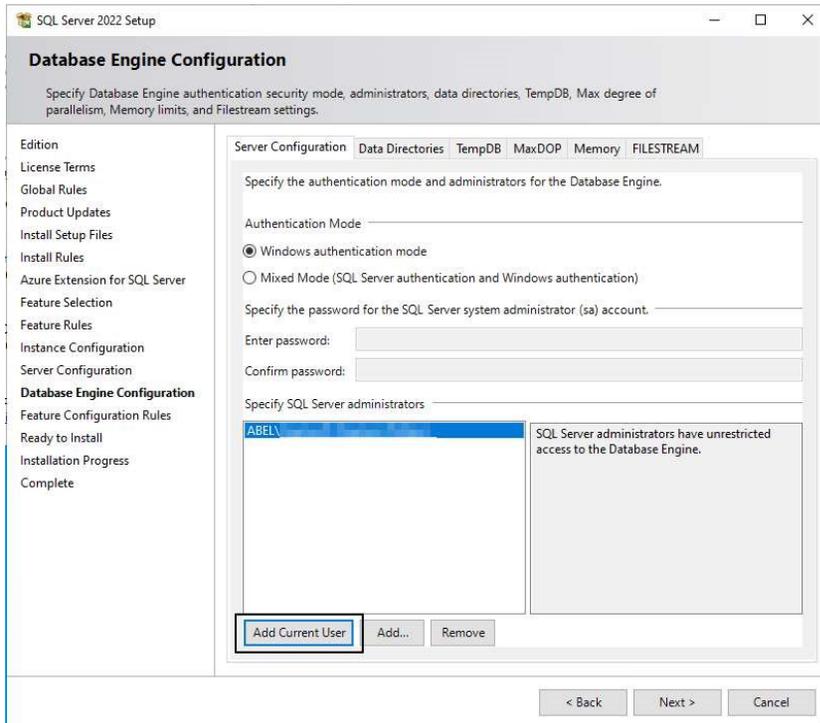
If you have done everything correctly you should see this
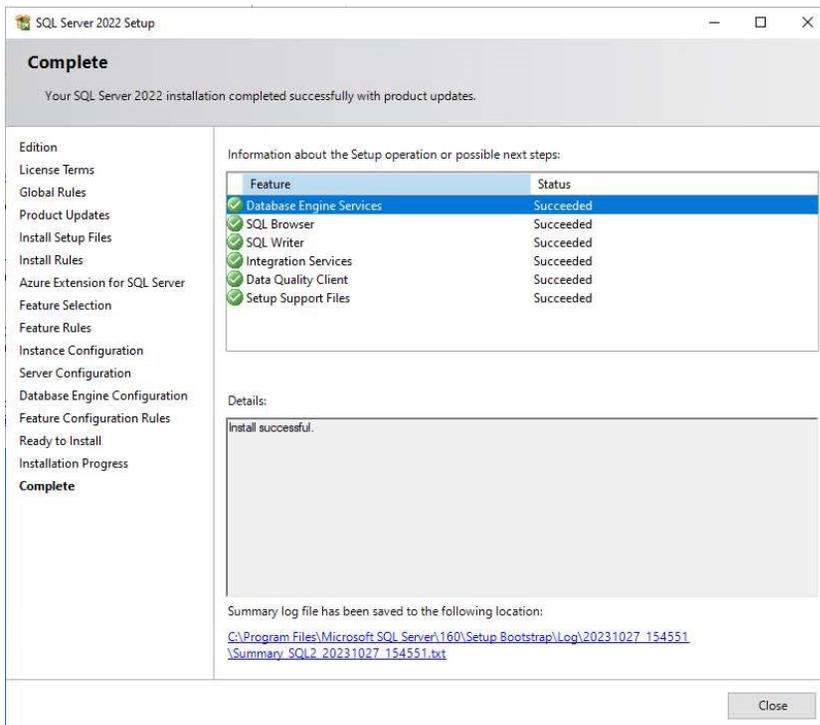
install SQL Management Studio SSMS

Download and install SQL Management Studio

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

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Restoring database

Open SQL management studio and Connect to the sql server
Right click on **"databases"**
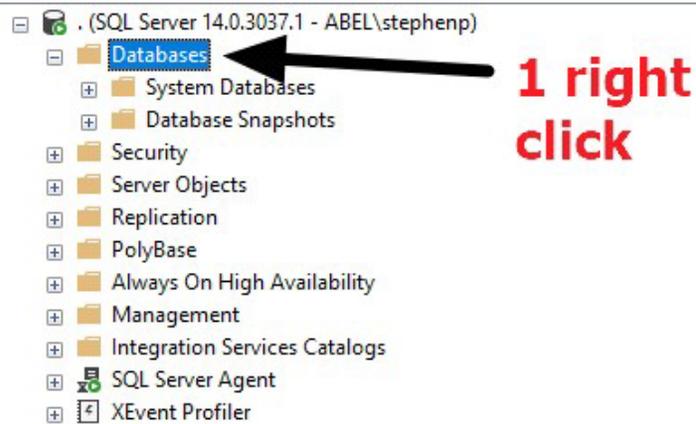
Select "**restore database"**
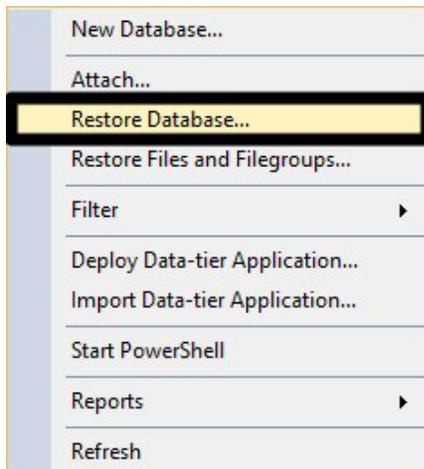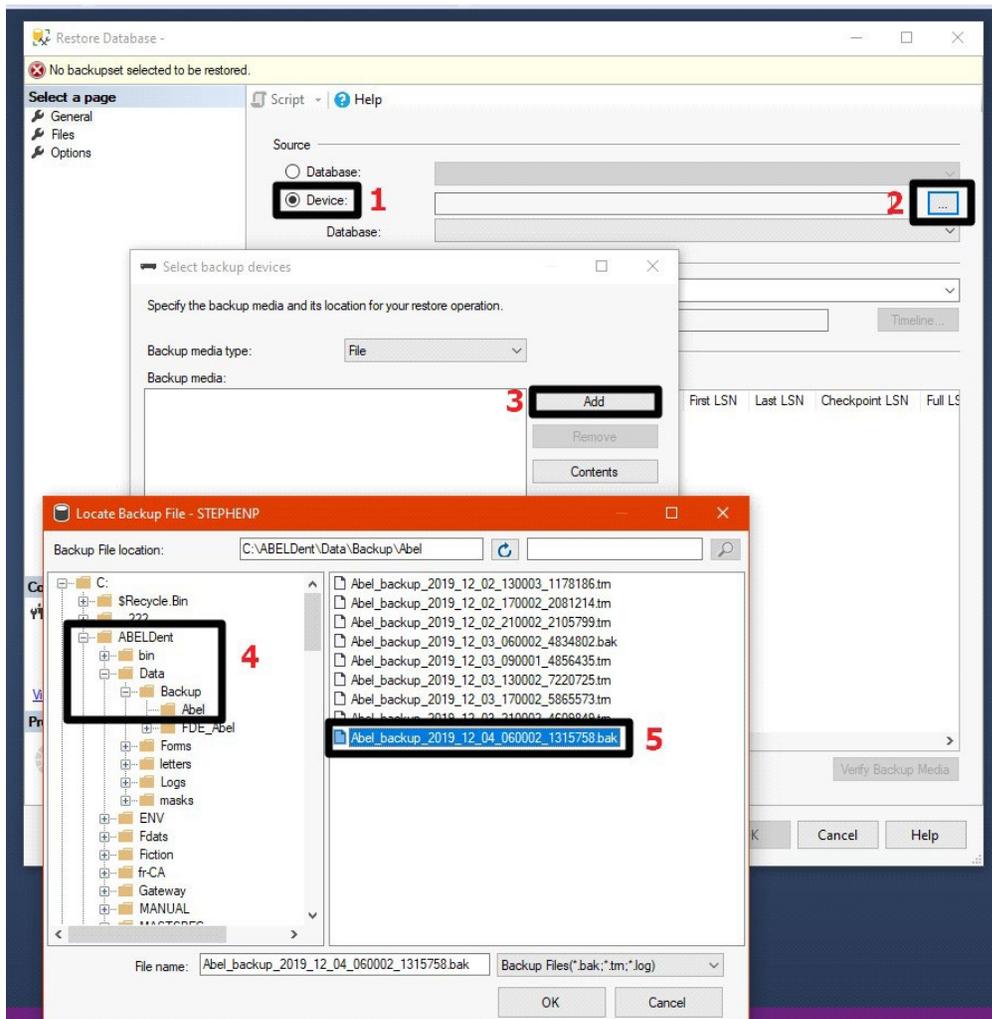
1. Select source from device
2. Click the box with 3 dots
3. Click **"add"** in select backup devices
4. Navigate to restore folder where BAK resides
5. Select desired restore point
6. Click **"OK"**
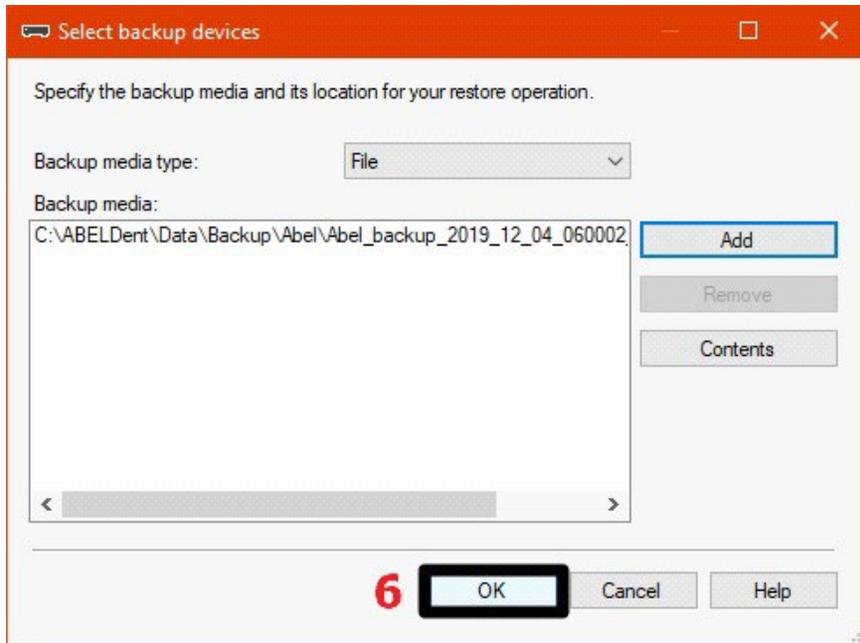
6. Click **"OK"**
7. Click **"Options"**
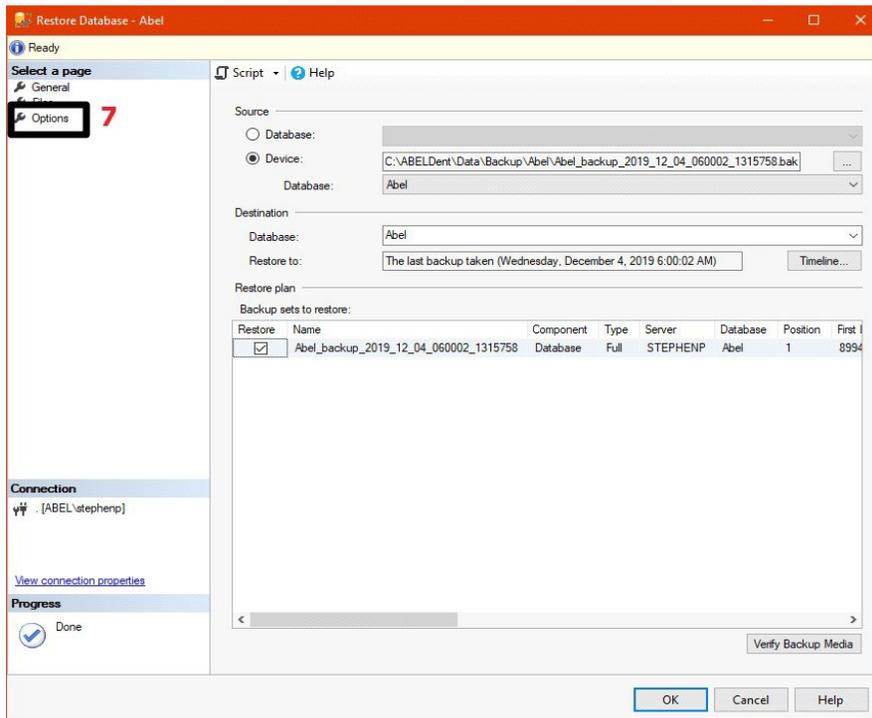
8. **Click "overwrite the existing database (with replace)"**
NOTE * make sure take tail-log backup before restore is UNCHECKED ***
9. Click **"OK"**

Restore options

☑ Overwrite the existing database (WITH REPLACE)   **8**
☐ Preserve the replication settings (WITH KEEP_REPLICATION)
☐ Restrict access to the restored database (WITH RESTRICTED_USER)

Recovery state: RESTORE WITH RECOVERY
Standby file: C:\Program Files\Microsoft SQL Server\MSSQL12.MSSQLSERVER\MSSQL

Leave the database ready to use by rolling back uncommitted transactions. Additional transaction logs cannot be restored.

Tail-Log backup

☐ Take tail-log backup before restore   **make sure this is unchecked**
☐ Leave source database in the restoring state
  (WITH NORECOVERY)

Backup file: C:\Program Files\Microsoft SQL Server\MSSQL12.MSSQLSERVER\MSSQL

Server connections

☐ Close existing connections to destination database

Prompt

☐ Prompt before restoring each backup

ⓘ The Full-Text Upgrade server property controls whether full-text indexes are imported, rebuilt, or reset for the restored database.

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