How to backup and restore data for 2019 SQL Server (For Aria Electronic Tracking Users)

This document provides a step-by-step guide for customers to backup and restore their SQL database using SQL Server Management Studio (SSMS). The guidelines below also apply to users who want to migrate from the old 2012 SQL server to the currently supported 2019 SQL server.

Contents

Steps – Prerequisites

1. If not already installed, download and install SQL Server Management Studio (SSMS).

*SSMS v18.12.1 was used to verify these procedures.*

Steps – Backing Up Data

2. Connect to the SQL Server Instance to be migrated.

3. Open SQL Server Management Studio. You will be prompted to login after the application startup. In the case that the "Login" and "Password" fields are auto populated, you only have to select the server name and click "Connect."
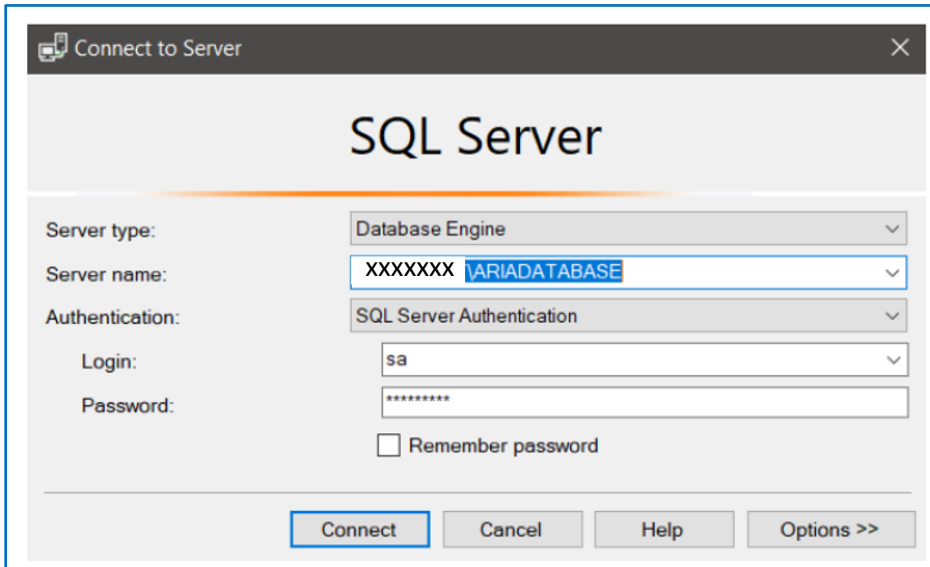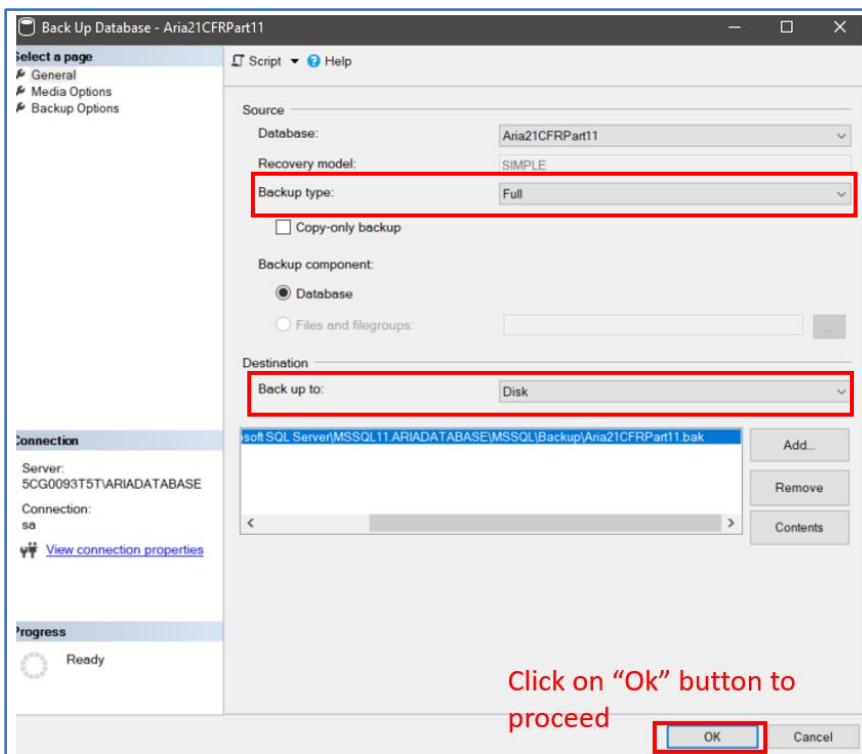

Alternatively, you may cancel out of the initial SSMS window and connect to the server using the outlined button below.
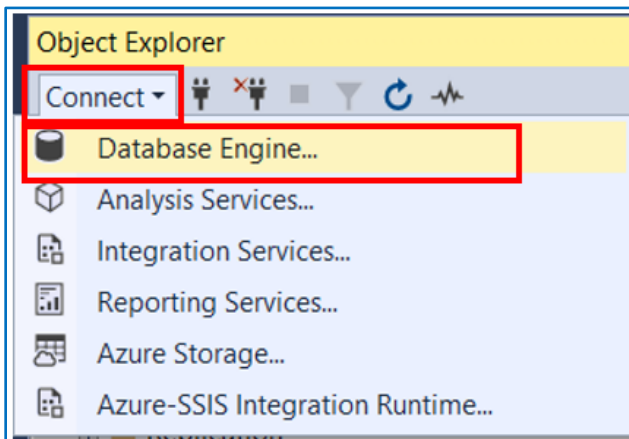
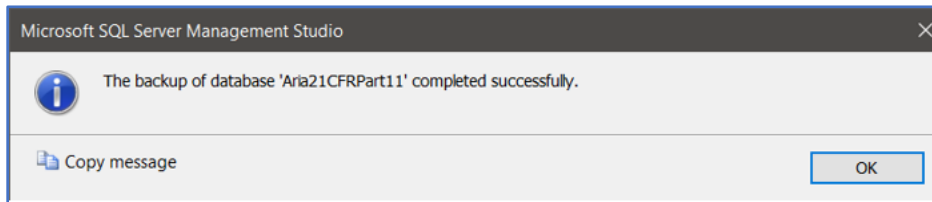4. Using the *Object Explorer*, navigate to the desired database, right-click, and go to *Tasks > Back Up*.
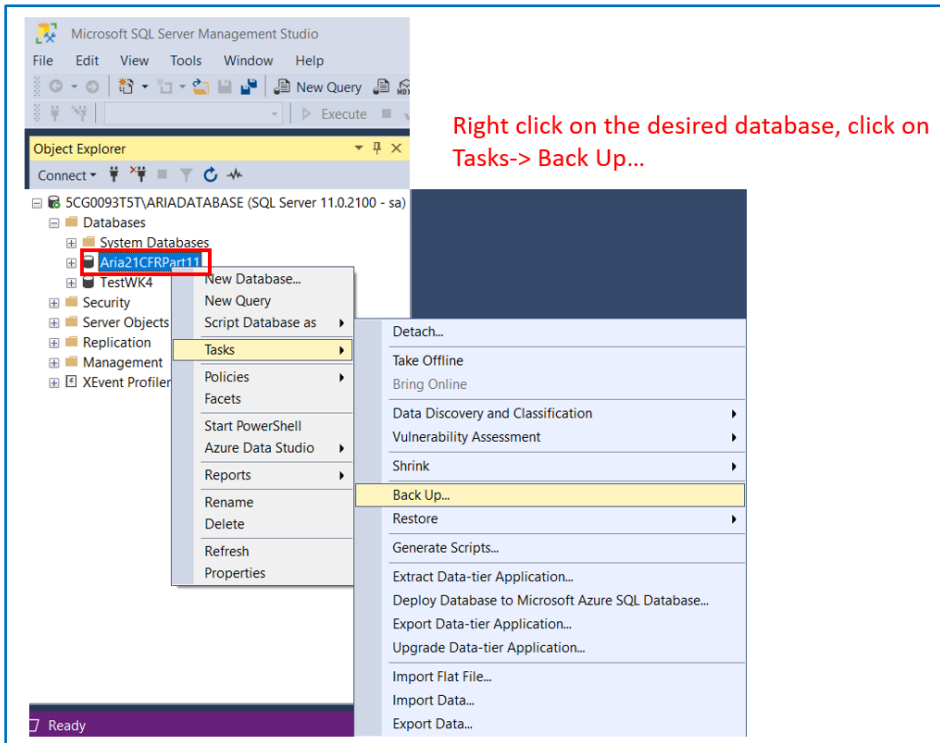
5. **Make sure the backup type is "Full" and is backed up to Disk.** Start the backup process by clicking *OK* on the back-up main window.

6. Click *Ok* to complete the process. You should see the following message.

Steps – Restoring the Backup

7. Create a new SQL Server 2019 instance using the SQL Install wrapper application.

*** *Please make sure that no database of the same name is present in the new SQL Server instance. The SQL installer will <u>not</u> allow a user to create a new database instance with a name that has already been used.*

For example, If the source database used for backup is "AriaDatabase", please ensure that "AriaDatabase" does not already exist in the destination SQL Server instance.
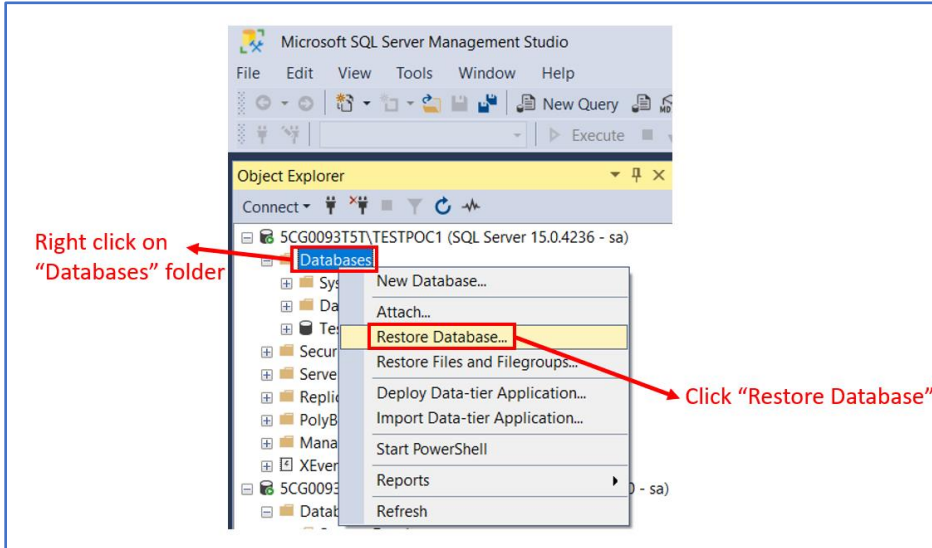
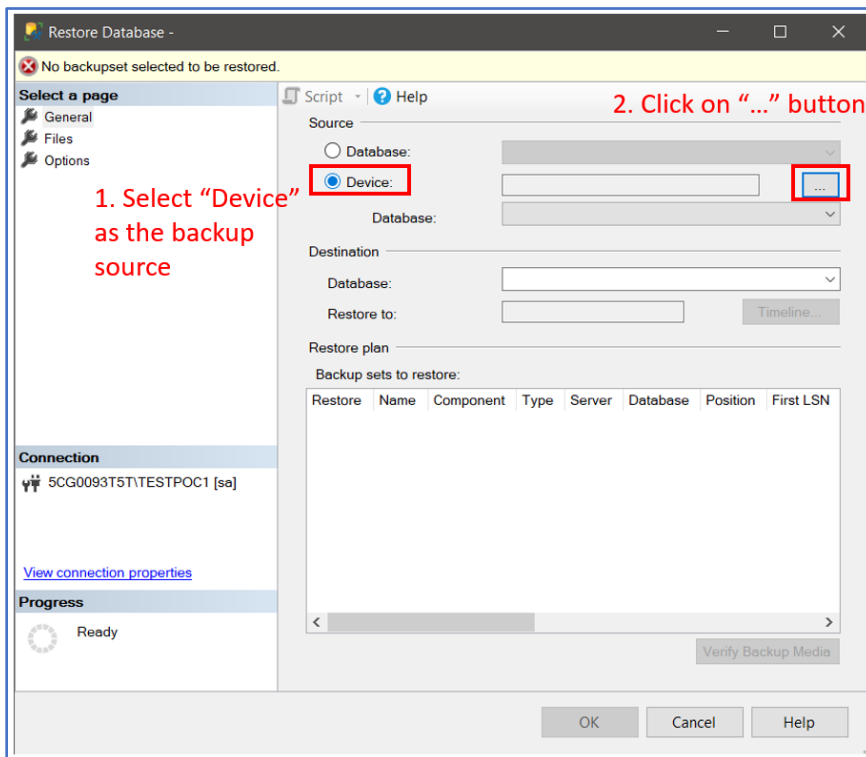8. Using the Object Explorer select **Connect > Database Engine***...*
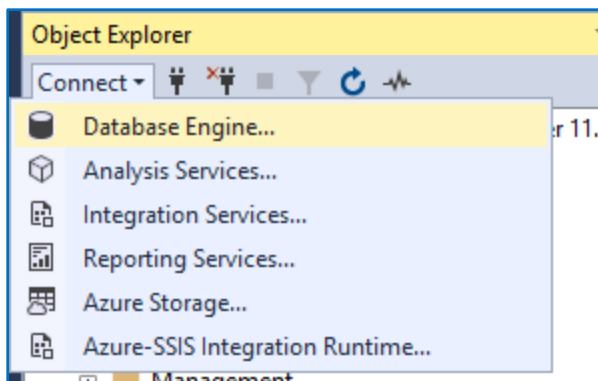
9. Select the SQL Server instance to connect to, input the credentials and click **Connect**.
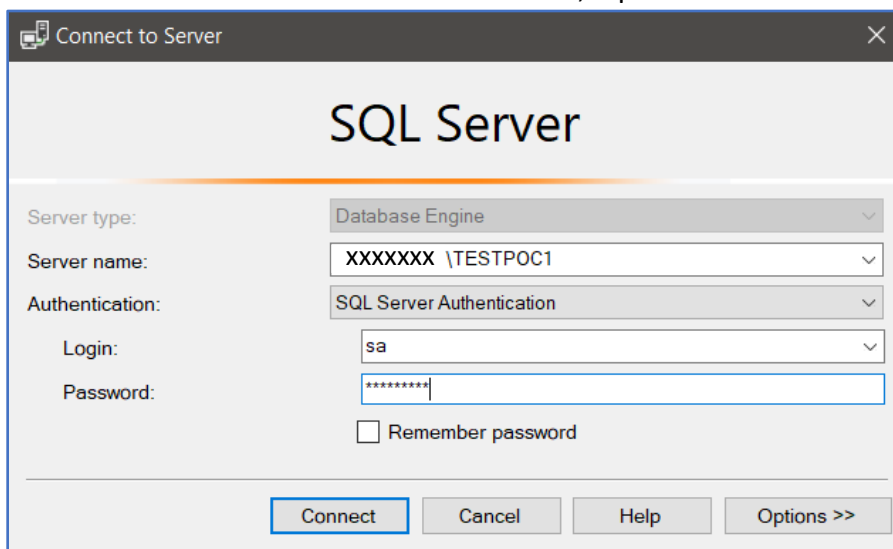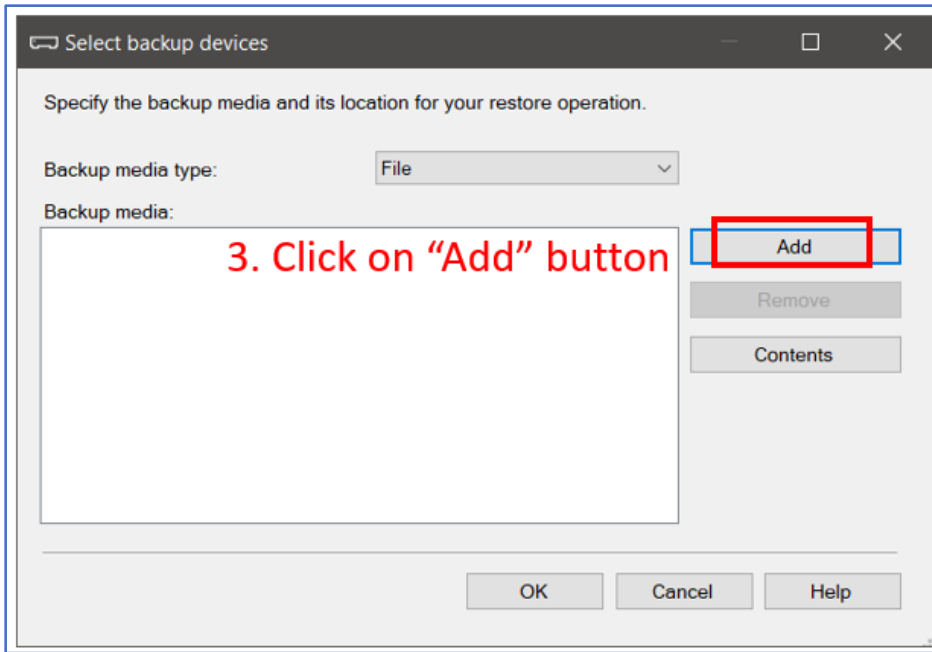
10. On the *Object Explorer*, right click **Databases** and select **Restore Database...**
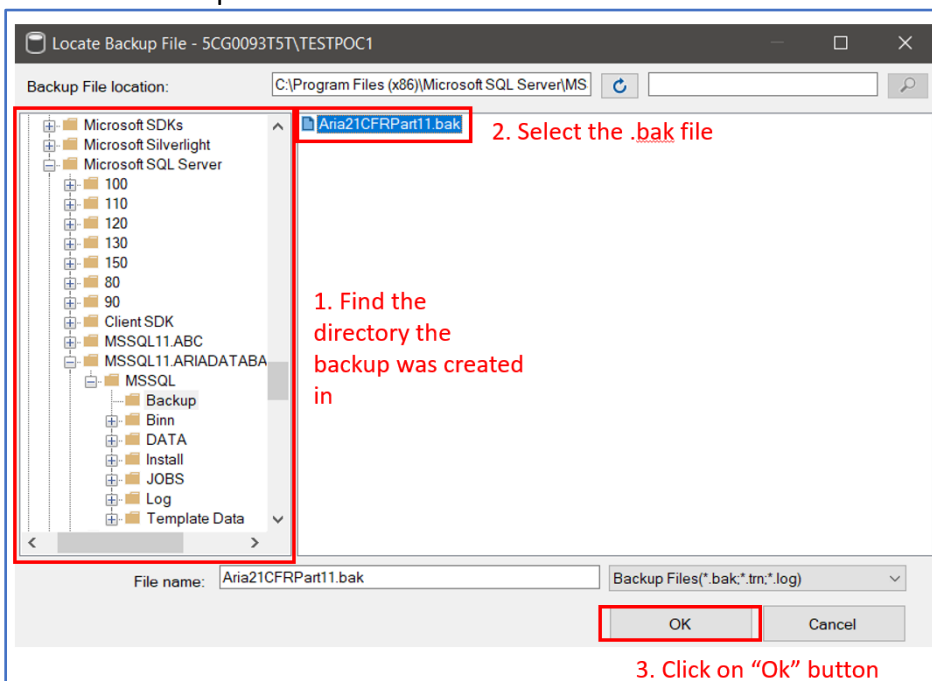

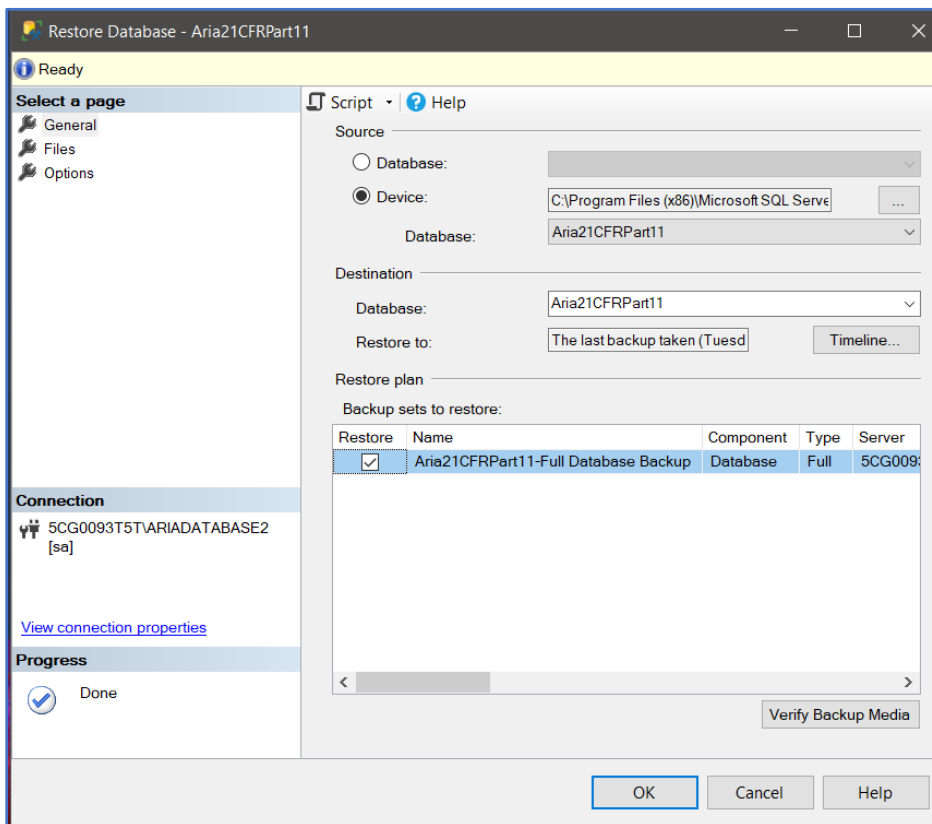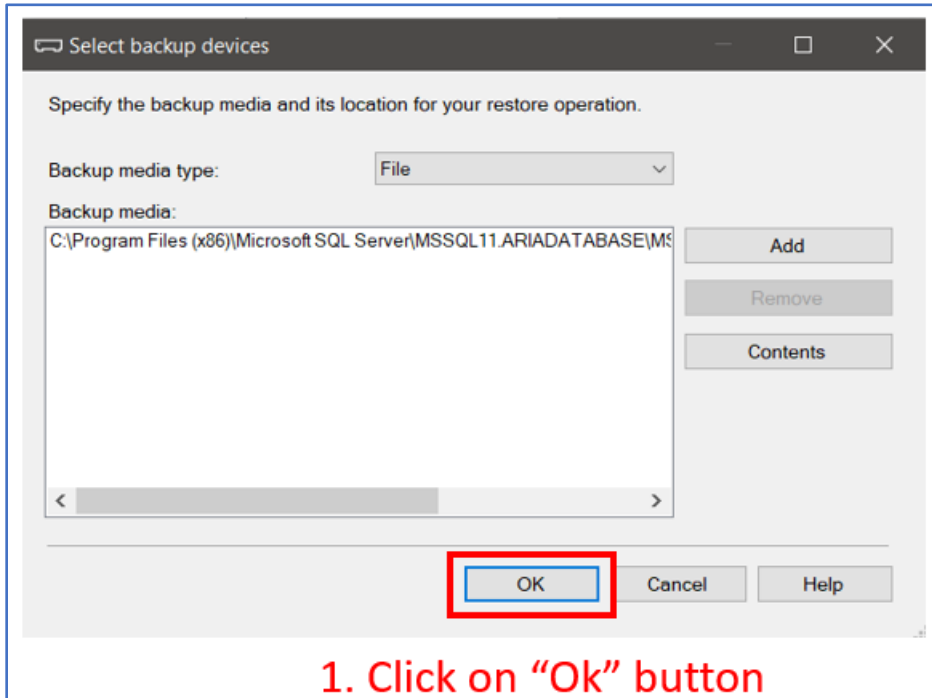11. Select **Source: Device** and click the "**...**" button and then click "**Add**."

12. Select the backup file and click *OK*.

13. Click *OK* on the *Select backup devices* window.

1. Click on "Ok" button

14. Go to the **Files** tab on the **Restore Database** window, tick the **Relocate all files to folder** checkbox and click **OK**. No action required on the "Options" page.
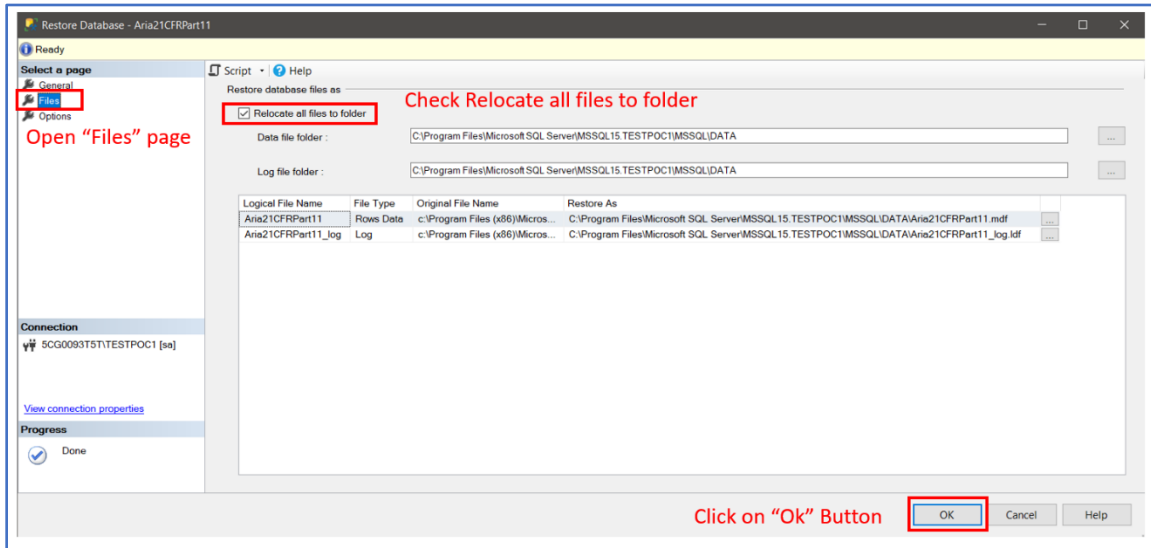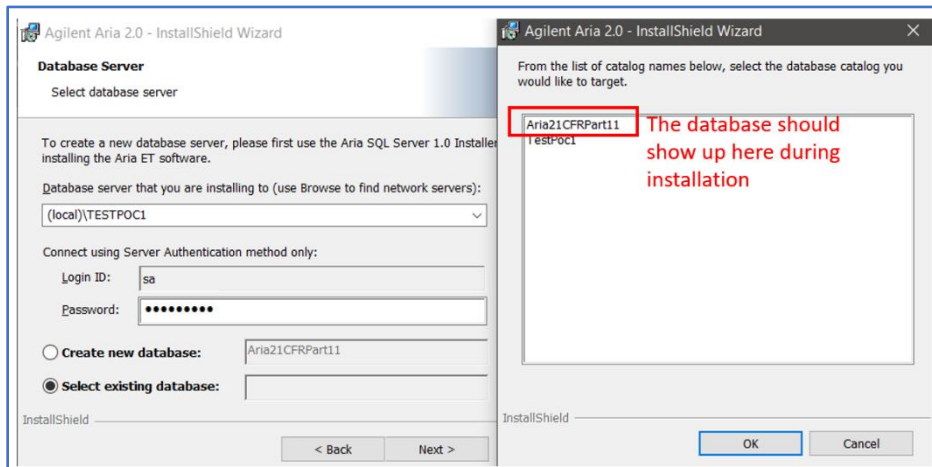

15. The database has now been migrated to the instance. It can be used by re-installing the software and selecting the new database as the default database.
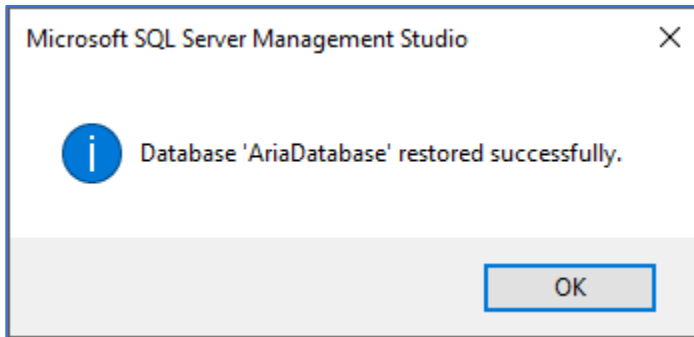
Verification

To verify if the restoration was successful:

1. The database should show up during Aria Software installation.

2. The Aria software will connect to the database using the same credentials (same username and password) as the old database.

3. Log Entries have successfully migrated. Experiment files are also migrated and can be opened.