Rice Lake Weighing Systems SQL Database

Migrating a SQL Database to Another Machine

Product: OnTrak®, WeighVault ® and other Rice Lake Weighing Systems software packages.

Issue: Transferring a Rice Lake Weighing Systems program Microsoft® SQL (MSSQL) database and to an instance of SQL.

Solution: Back up the current MSSQL database and transfer to another machine.

Manuals and additional resources are available from Rice Lake Weighing Systems at www.ricelake.com/manuals
Warranty information can be found at www.ricelake.com/warranties

Save and Restore Database Files

1. Create a backup file of the current MSSQL database using the backup and restore utility.

NOTE: SSMS and the backup and restore utility are included in the software package and have their own instructions within those packages' manuals or help files.

2. Save the backup file (.bak) to a temporary location for future retrieval.
3. Install the Rice Lake Weighing Systems software package on new machine.
4. Install SQL Server Management Studio (SSMS) software package onto the new machine.

NOTE: To download the SSMS software package, go to https://docs.microsoft.com/sql/ssms.

5. Open SMSS on the new machine.
6. In SSMS, select **Databases** and right-click on the saved database to restore.
7. Navigate to Tasks> Restore> Database.

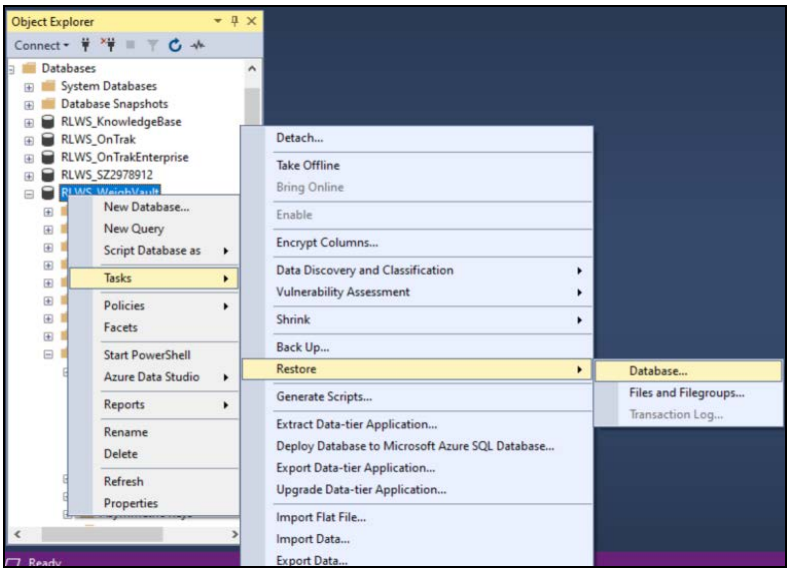

Figure 1. Database Restore

8. Under Source, select **Device** and click the ellipsis button [...] on the right. The Select Backup Device window will open.
   a. Select **Add**.
   b. Locate the .bak file saved in Step 2.
   c. Select **OK**.
   d. A message will pop up stating that the selected database has been installed. Select **OK**.

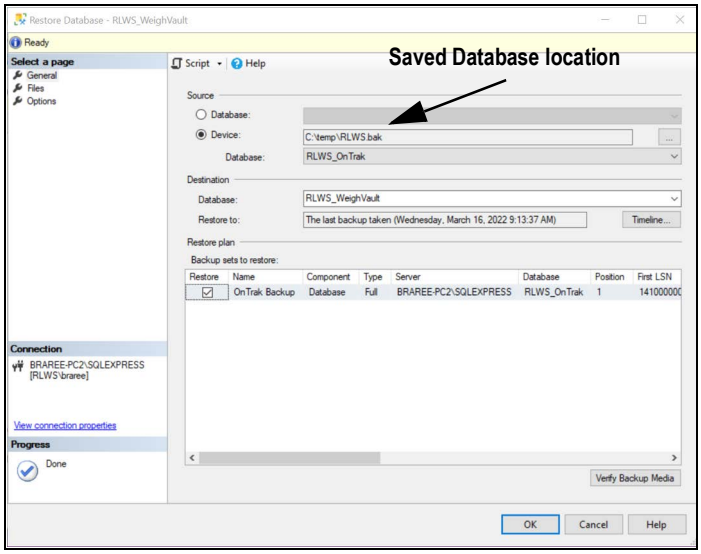

Figure 2. Select Backup Device Window

9. Select **Options** in the **Select a Page** column.
10. Select **Overwrite the existing database (WITH REPLACE)** and **Close existing connections to destination database select**.
11. Select **OK**.

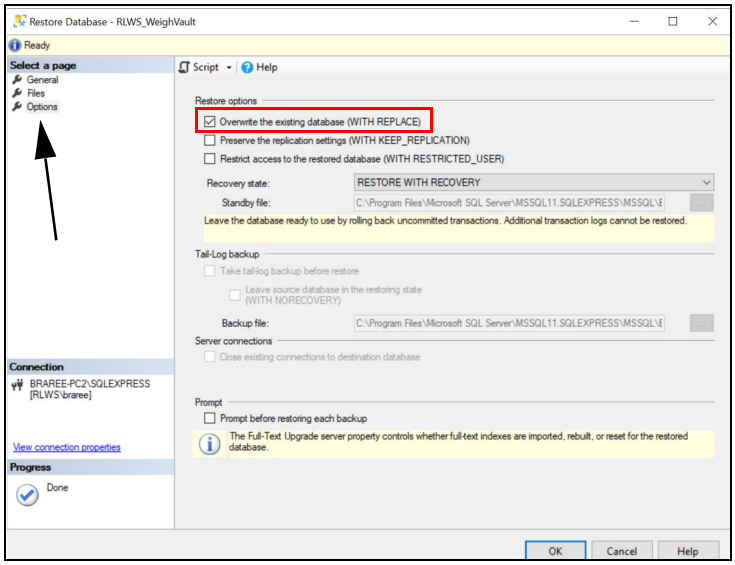

Figure 3. Options Page

12. A message will open stating that the database has successfully been restored.
13. Select **OK**.

Authenticated User Replacement

1. Delete existing *ApplicationUserName* (e.g. WEIGHVAULT_USER) from object explorer.

NOTE: Record ApplicationUserName for future use.

a. Navigate to Security> Users> WEIGHVAULT_USER.

b. Right-Click WEIGHVAULT_USER.

c. Select **Delete**.

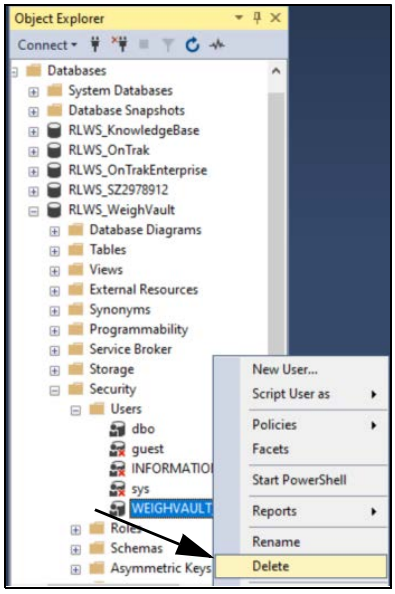

Figure 4. Authenticated User Deletion Path

2. Right-click the **Users** folder.
3. Select **New User**.

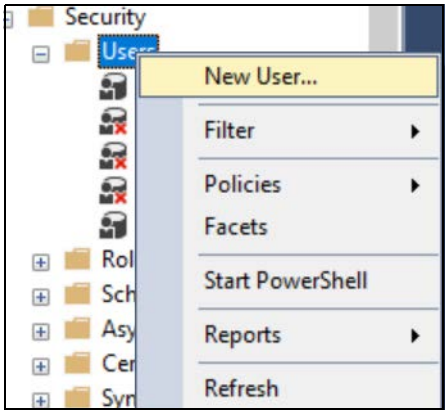

Figure 5. New User Selection

4. Select the ellipsis button ... next to Login name.

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5. Enter the name in the **Enter the object names to select (examples):** box.

NOTE: Use ApplicationUserName recorded in previous step.

6. Select **Check Names**.
7. Check the matching object name and select **OK**.

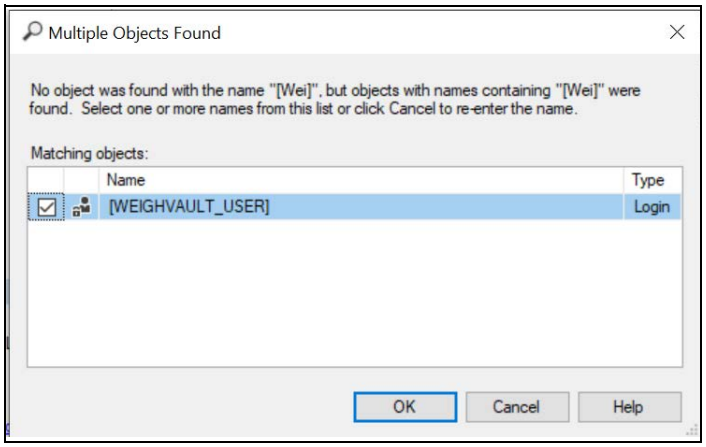

Figure 6. Name Selection

8. Input the **User Name** and the **Login Name**.

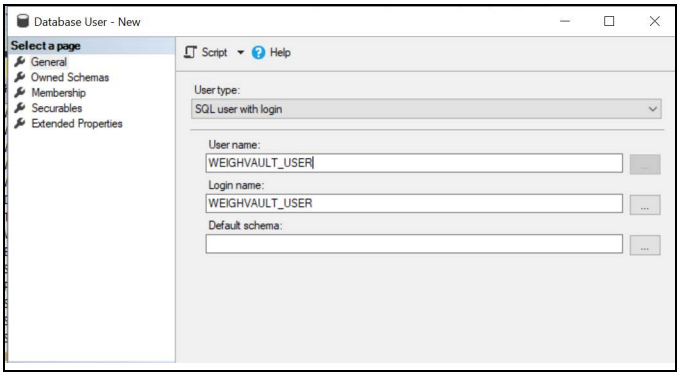

Figure 7. User Name Input

NOTE: The User Name and Login Name must match.

9. Select **Membership** from the **Select a page** column.
10. Check **db_datareader** and **db_datawriter**.

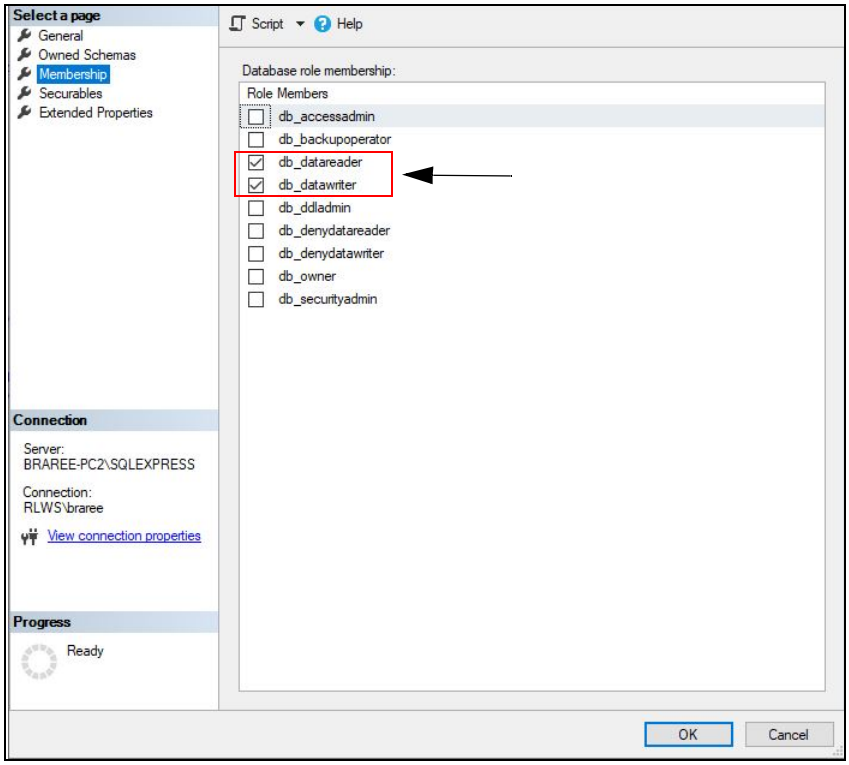

Figure 8. Membership Role Selection

11. Select **OK**.
12. Close SSMS.

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