

Nashville Airport Database Migration Plan

Contents

Purpose.....	3
Camera Migration.....	4
Database Migration	5
Update Data Connection String	10

Purpose

The purpose of this document is to outline and prescribe the steps required to merge the existing two VMS databases together and migrate the VMS database from the current Microsoft SQL Server 2008R2 server to the new Microsoft SQL Server 2017 server. This document will cover the migration of the existing database to the new server, as well as, the editing of each IP Server instance to reflect the new database location.

Camera Migration


Currently one camera resides on the new server (**Enter Server Name**). This camera will be migrated into the existing InsightEnt database.

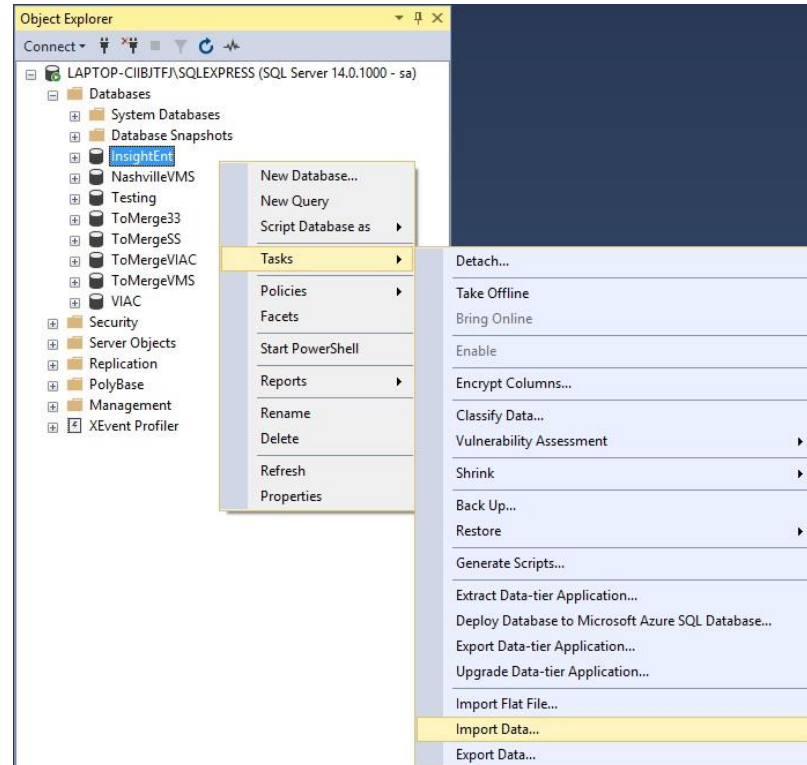
1. Open a Windows Explorer window
2. Navigate to the saved location for the CameraMigration.sql file
3. Open Microsoft SQL Server Management Studio
4. Log into the SQL Server 2008R2 instance
5. Create the linked server to SQL Server 2017 instance
6. Click the "New Query" button (will open a blank query tab)
7. Drag and drop the CameraMigration.sql file from Windows Explorer to the SQL Management Studio blank query (will populate the contents of the .sql file into a new tab)
8. Edit CameraMigration.sql file to reflect linked server name (Find and Replace All)
9. Execute CameraMigration.sql

Database Migration

10. On the Microsoft SQL Server 2017 server, open Microsoft SQL Server Management Studio
11. Log into the SQL Server 2017 instance
12. Click the “New Query” button (will open a blank query tab)
13. Enter the following query to create an empty InsightEnt database

`CREATE DATABASE InsightEnt;`

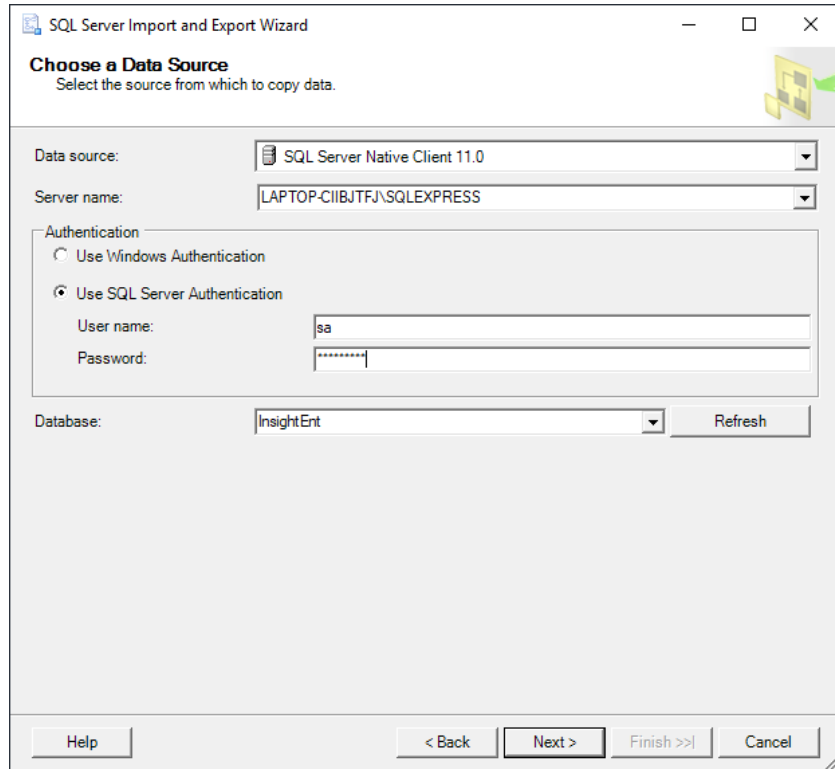
14. Click the “Execute” button or press F5 to execute the query
 - Successful response will be “Commands completed successfully.”
15. In the left tree, click the minus sign (-) to the left of Databases to collapse the database folder
16. Click the blue circle arrow button  in Object Explorer toolbar to refresh database listing
17. In the left tree, click the plus sign (+) to the left of Databases to expand the database folder
18. Right-click on the InsightEnt database
19. Mouse over Tasks
20. Click “Import Data...” (will open SQL Server Import and Export Wizard”



21. If welcome screen appears, click next

22. In the “Choose a Data Source” window set the following values:

- Data Source: SQL Server Native Client 11.0
- Server Name: Server Name / IP Address and Instance name of old SQL Server
 - i. USE SQL Server Authentication; Enter Username and Password
- Database: InsightEnt

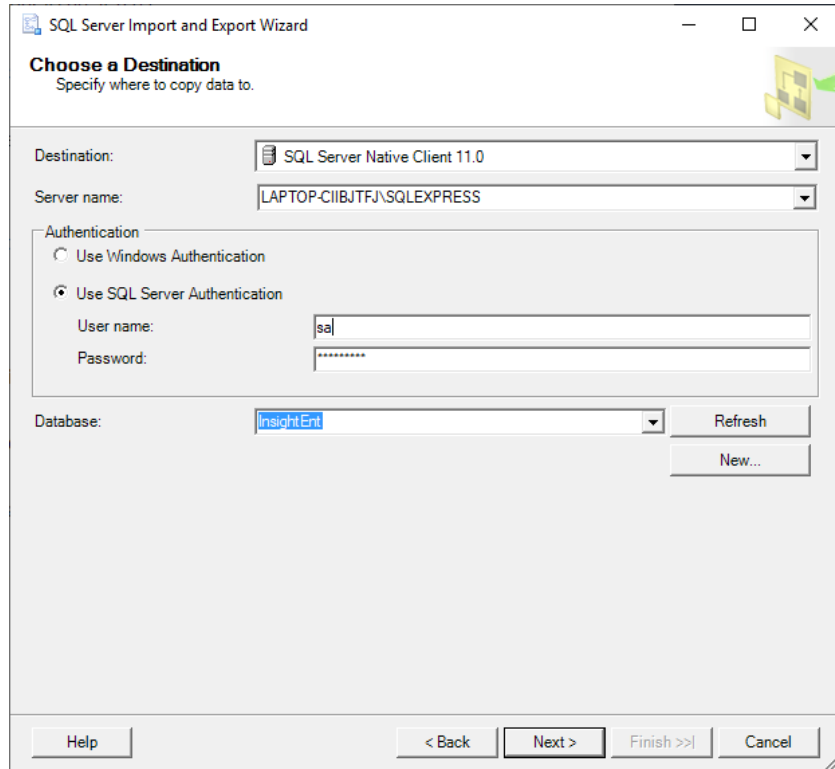


The screenshot shows the 'SQL Server Import and Export Wizard' window, specifically the 'Choose a Data Source' step. The window title is 'SQL Server Import and Export Wizard'. Below the title bar, the text 'Choose a Data Source' is displayed, followed by the instruction 'Select the source from which to copy data.' The main area contains several fields: 'Data source:' is set to 'SQL Server Native Client 11.0'; 'Server name:' is set to 'LAPTOP-CIIBJTFJ\SQLEXPRESS'; the 'Authentication' section has 'Use SQL Server Authentication' selected, with 'User name:' set to 'sa' and 'Password:' masked with asterisks; and 'Database:' is set to 'InsightEnt'. A 'Refresh' button is located next to the database field. At the bottom, there are navigation buttons: 'Help', '< Back', 'Next >', 'Finish >>', and 'Cancel'.

23. Click Next

24. In the “Choose a Destination” window set the following values:

- Data Source: SQL Server Native Client 11.0
- Server Name: Should be prepopulated, if not enter gaining SQL Server Instance
 - i. USE SQL Server Authentication; Enter Username and Password
- Database: InsightEnt (should be prepopulated)



The screenshot shows the 'SQL Server Import and Export Wizard' window, specifically the 'Choose a Destination' step. The window title is 'SQL Server Import and Export Wizard'. Below the title bar, the text 'Choose a Destination' is displayed, followed by the instruction 'Specify where to copy data to.'.

The 'Destination' dropdown menu is set to 'SQL Server Native Client 11.0'. The 'Server name' dropdown menu is set to 'LAPTOP-CIIBJTFJ\SQLEXPRESS'. Under the 'Authentication' section, the 'Use SQL Server Authentication' radio button is selected. The 'User name' field contains 'sa' and the 'Password' field contains a masked password (represented by asterisks). The 'Database' dropdown menu is set to 'InsightEnt'. To the right of the 'Database' dropdown are 'Refresh' and 'New...' buttons.

At the bottom of the window, there are four buttons: 'Help', '< Back', 'Next >', and 'Finish >>'. The 'Next >' button is highlighted.

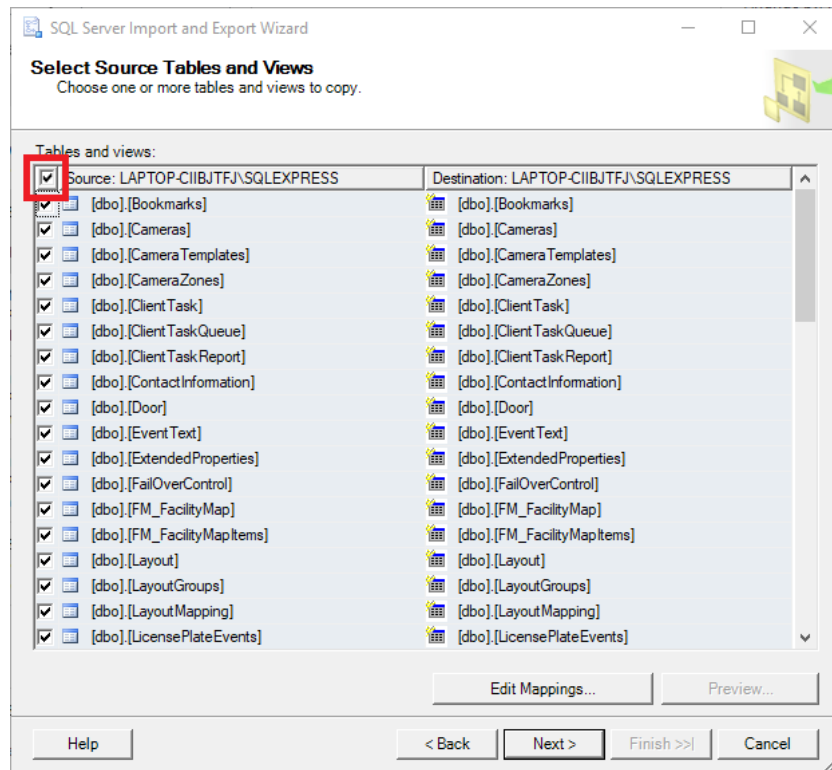
25. Click Next

26. In the “Specify Table Copy or Query” window, click the radio button next to “Copy data from one or more tables or views”

27. Click Next

28. In the “Select Source Tables and Views” window:

- Click the empty checkbox in the header bar to select all tables

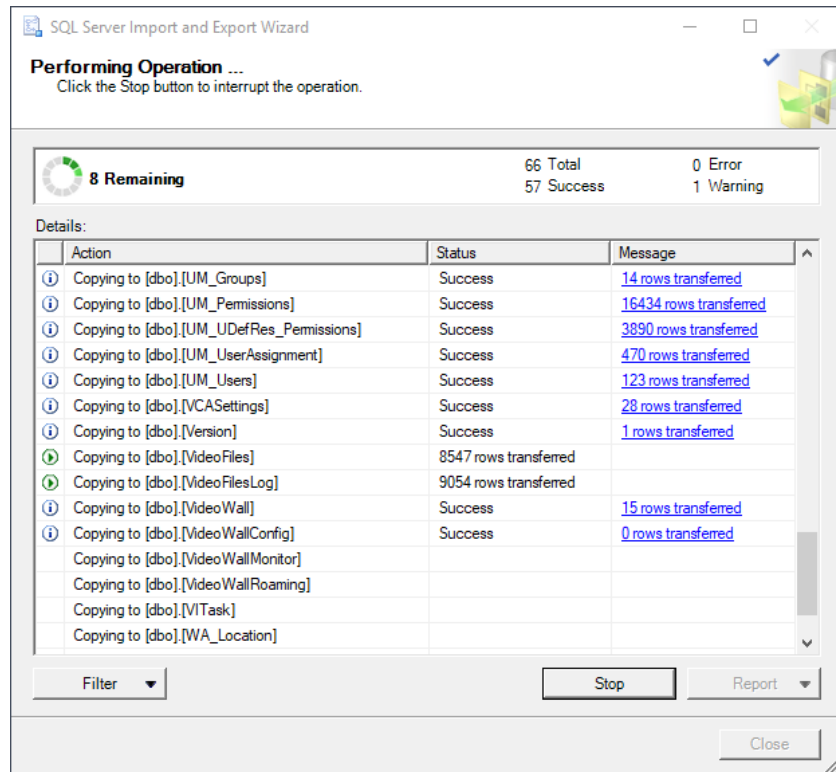


29. Click Next

30. Click Finish in the “Save and Run Package” window

31. Click Finish in the “Complete the Wizard” window

32. The “Performing Operation” window will appear and display the progress of each table and the number of rows copied per table



33. Once complete the Close button becomes active, click Close to close the window
34. Expand the InsightEnt database in the Object Explorer to verify that tables have been imported

Update Data Connection String

After the database has been moved to the new server, the Data Connection Strings on each of the VI servers will need to be changed to reflect the new database location.

1. Open the Registry Editor
2. Navigate to HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\Video Insight\IP Server Ent
3. Double click on the DataConnectionString entry
4. Delete the existing value
5. Enter the new value
6. Click OK to accept the new value
7. Close the Registry Editor
8. Open IP Server Manager
9. Right-click on the IP Server Manager icon in the system tray
10. Click Start IP Server
11. IP Server icon will turn green

