CardAccess 3000 to CA4K™
Data Migration Guide

(Version 1.1.5x)

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Must Read before you begin Migration

- Prior to starting the CA4K™ data migration, you must make certain you have Full Administrator privileges without any restrictions. This includes lowering the UAC settings to "Never Notify" and verifying there are no domain restrictions. Failure to do so, will result in migration errors.

- The CA4K™ Data Migration utility is designed to migrate Configuration Data and Event Data from a CardAccess 3000 database (Version 2.9.88 and 2.11.x) to CA4K™ databases. If the CardAccess 3000 database is earlier than V2.9.88, you must send it into Continental Access to be updated, and there will be an upgrade fee. If your version of CardAccess 3000 is V2.9.88 or later, you can perform this procedure on the CA4K computer using the CA4K™ Data Migration utility.

- It is highly recommended to use the latest version of CA4K, including any service packs that might be available.

- The CA4K™ Data Migration utility is installed by default during the CA4K™ **Complete Install** installation. It can be found under "All Programs".

- The CA4K requires strong passwords for all operators. During the Data Migration, the default admin account password in CA3000 will be changed to "admin@4k' and all other CA3000 operator passwords will be changed to "user@4k".

- This document covers two type of Migrations. The first type is the "**All Data**" migration. The "All Data" migration must be performed first and the CA4K™ live configuration and live Events databases should be used as the destination databases. The second type of migration is "**Events and Audit" Logs only**. For this type of migration, a CA4K™ Archive events database should be used as the destination database. Refer to the associated steps for the migration type you wish to perform.

- If you are moving CardAccess 3000 databases over to the CA4K computer, there are multiple methods to detach the databases on the CardAccess 3000 computer. The first method is to use the CA3000 Database Utility (CADButils) in the CardAccess 3000 software and detach the databases. The second method is to go into Services on the CardAccess 3000 computer and STOP SQL. Once the MSSQL (SQL) service is stopped, you can copy the files out of the Database folder under the CardAccess3000 folder. Please remember to restart the SQL service after all the files are copied. After the database files are copied over to the CA4K computer, they must be attached into the CA4K SQL server.

  Very Important: DO NOT PAUSE THE SQL SERVICE TO COPY THE DATABASE FILES. **YOU MUST STOP IT.**

- Prior to moving the CA3000 database files over to the CA4K computer, it is recommended to create a folder on the "C" drive of the CA4K computer, and give it a descriptive name (ex. CA3KDBs). Upon creating the folder, you must copy the CA3000 live database files into it, and also one or more CA3000 archive database files into it. After copying the CA3000 databases over, you must attach the CA3000 databases to the SQL Server on the CA4K computer, using the CA4K Dbutils.

Overview

This document provides a step by step procedure of a CardAccess 3000 Data Migration to CA4K™ databases. Prior to starting the Data Migration, you must verify the CA4K™ software has been previously installed and the five default databases have been created. This will confirm that SQL is installed and functioning correctly.

System Requirements

Ensure Recommended Server Requirements are met

Make sure that the computer meets the specifications that are documented in the "CA4K™ System Requirements" document.

Verify Full Administrator Permissions

The Data Migration utility requires Full Administrator permissions. Failure to provide these permissions will result in Data Migration and SQL errors.

Related Documents

CA4K™ Complete Install Installation Guide - A step by step guide on installing a "Complete Server" installation.

CA4K™ Database Only Installation Guide - A step by step guide on installing a "Database Server" installation.

CA4K™ Hardware Communication Server (HCS) Installation Guide - A step by step guide on installing an HCS Installation.

CA4K™ Report Station Installation Guide - A step by step guide on installing a "Report Station" installation.

CA4K™ Server Only Installation Guide - A step by step guide on installing a "Server Only" installation.

CA4K™ Workstation Installation Guide - A step by step guide on installing a "Workstation" installation.

CA4K™ Quick Start Programming Guide - A step by step guide on programming a basic CA4K™ system.

CA4K™ TCP/UDP Ports Reference Guide – TCP/UDP Ports Reference Guide.

CA4K™ System Requirements – Computer Specifications.

Prerequisites

- A functional CA4K™ **Complete Install** installation
- One or more CardAccess 3000 V2.9.88 or V2.11.x databases to be migrated
- CA4K™ databases (Destination Databases)

DATA MIGRATION

Data Migration Steps

NOTE: The steps in this document are separated into two types of Migrations. The first is "**All Data**" and the second is "**Events and Audit Log Only**". The "All Data" migration must be performed first. Migrating "Events and Audit" Logs only are optional. Refer to the associated steps for the migration you wish to perform.

1. After the CA4K™ has been installed, the CardAccess Data Migration utility can be found under **All Programs**. To launch the **CardAccess Data Migration** utility, click the **CardAccess Data Migration** icon.
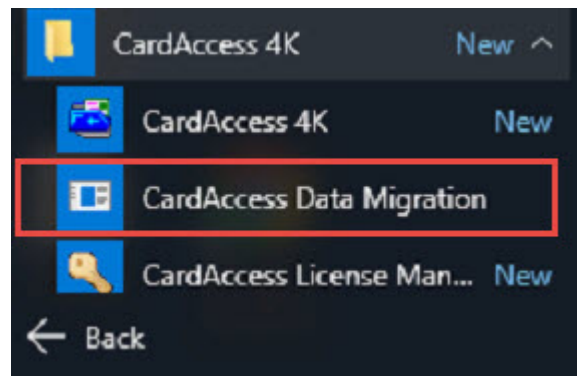
2. The CardAccess Data Migration utility can also be found in the **CardAccess4K/tools** folder. To launch the Data Migration utility, click **CardAccess.DataMigration.exe**.
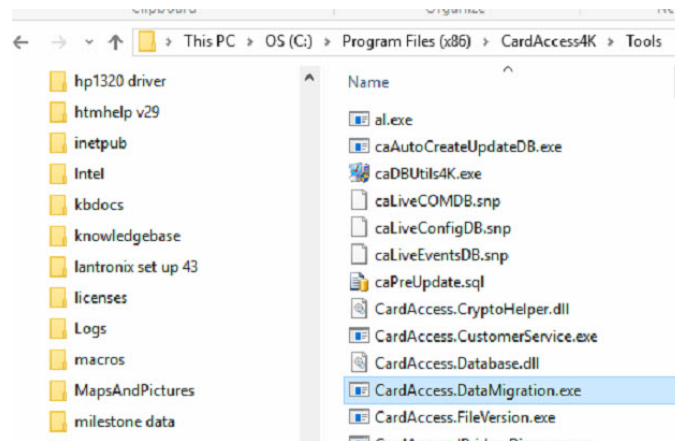
DATA MIGRATION

"All Data" Migration

3. After the CardAccess Data Migration utility launches, the **Select Source CardAccess 3000 Server/Database** screen will display.

Note: For this demonstration, leave the default setting to **Transfer All data.**

NOTE: Prior to performing the Migration, the CA3K source databases must be attached to SQL Server on the CA4K computer.
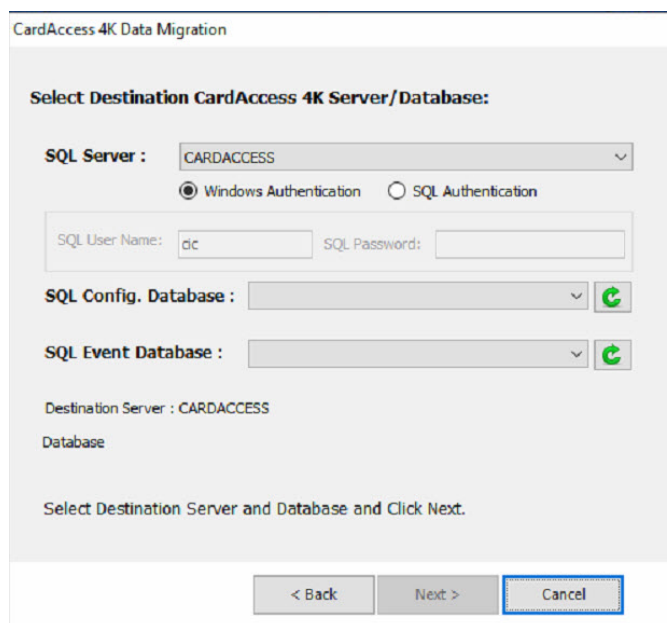
5. If the selected Source Database is not V2.11.84, and is at least V2.9.88, you will be prompted to update the database. Click **Yes** to update the database to V2.11.84 from V2.9.88.

   NOTE: If the CardAccess 3000 database is not V2.9.88 or later, it must be sent to Continental Access to be updated to at least V2.9.88, prior to migrating it. There will be a fee charged for this.
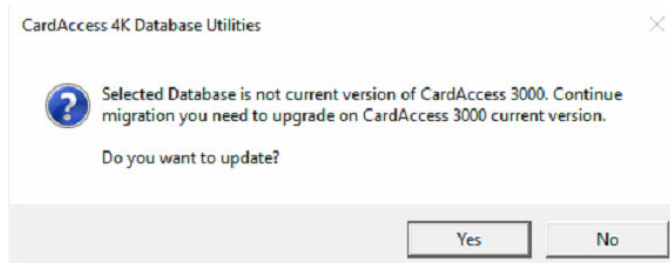
6. After clicking **Next,** select the **Destination** CA4K™ databases. These CA4K™ databases should be a **Live Configuration** and **Live Events** databases. After they are selected, click **Next**.

   Note: Refer to the next 4 screenshots.

CardAccess 4K Data Migration

Select Destination CardAccess 4K Server/Database:

SQL Server : CARDACCESS

◉ Windows Authentication   ○ SQL Authentication

SQL User Name: dc   SQL Password:

SQL Config. Database : caLiveConfiguration_04212017_080813

caLiveConfiguration_03132017_103115
caArchiveConfiguration_03132017_103115
SQL Event Database : caLiveConfiguration_03162017_151101
caArchiveConfiguration_03162017_151101
caLiveConfiguration_04212017_080813
Destination Server : CARDACCE caArchiveConfiguration_04212017_080813

Database

Destination Config. Database : caLiveConfiguration_04212017_080813

Select Destination Server and Database and Click Next.

< Back   Next >   Cancel

CardAccess 4K Data Migration

Select Destination CardAccess 4K Server/Database:

SQL Server : CARDACCESS

◉ Windows Authentication   ○ SQL Authentication

SQL User Name: dc   SQL Password:

SQL Config. Database : caLiveConfiguration_04212017_080813

SQL Event Database :

caLiveEvents_03132017_103115
caArchiveEvents_03132017_103115
Destination Server : CARDACC caLiveEvents_03162017_151101
caArchiveEvents_03162017_151101
Database caLiveEvents_04212017_080813
caArchiveEvents_04212017_080813
Destination Config. Database : caLiveConfiguration_04212017_080813

Select Destination Server and Database and Click Next.

< Back   Next >   Cancel

7. After clicking **Next**, the **UNC Name** screen will display. If any names or IP Address needs to be changed, edit the green fields to reflect the new Names and IP address. Click **Next**.

DATA MIGRATION
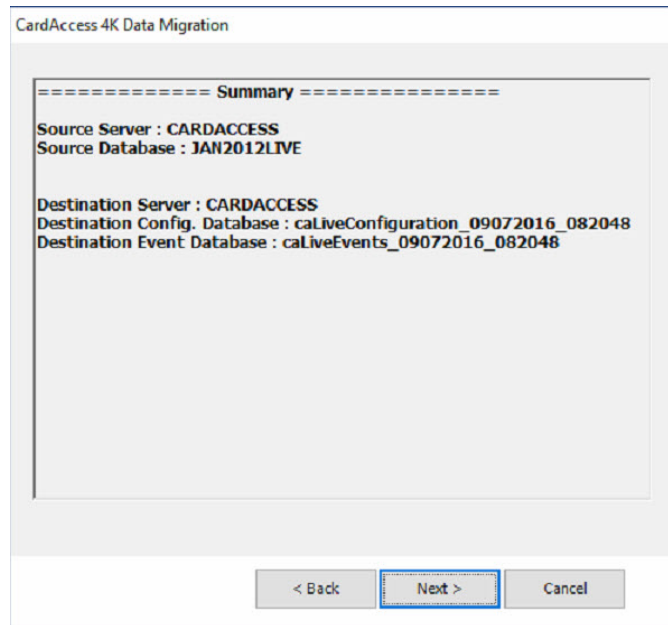
8. The **CA4K™ Data Migration Summary** screen displays. Click **Next**.
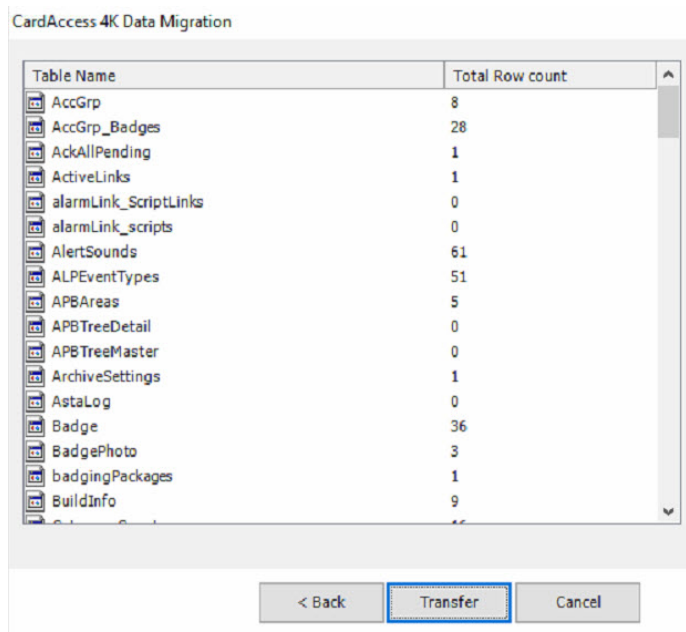
9. The **Table Names/ Total Row Counts** form displays. Review the tables and row counts that will be transferred. If all looks good, click **Transfer**.
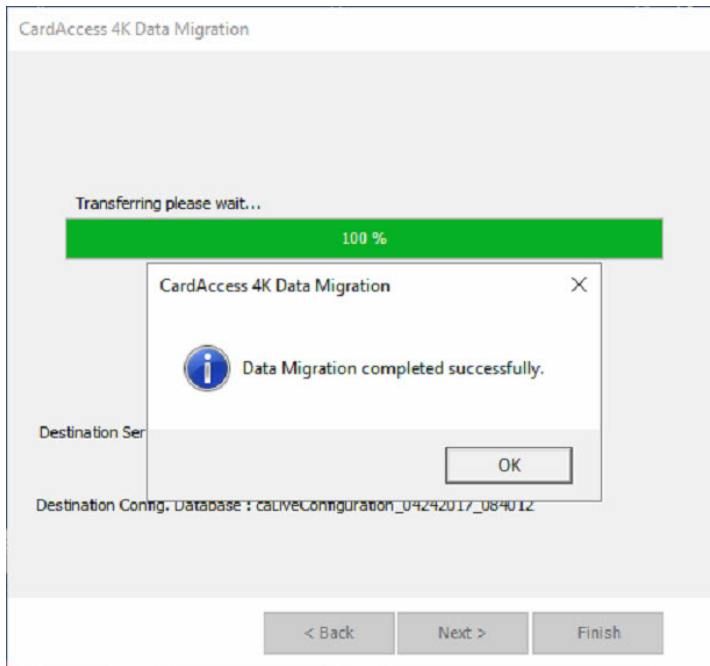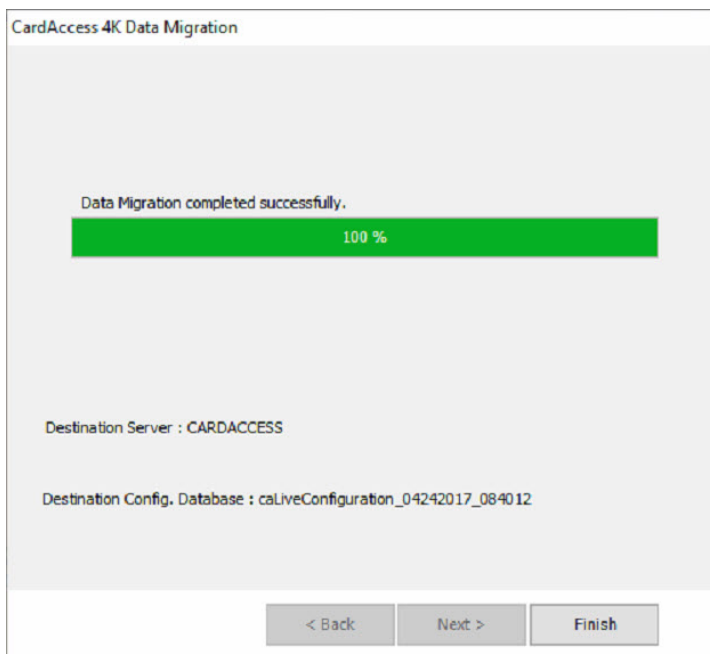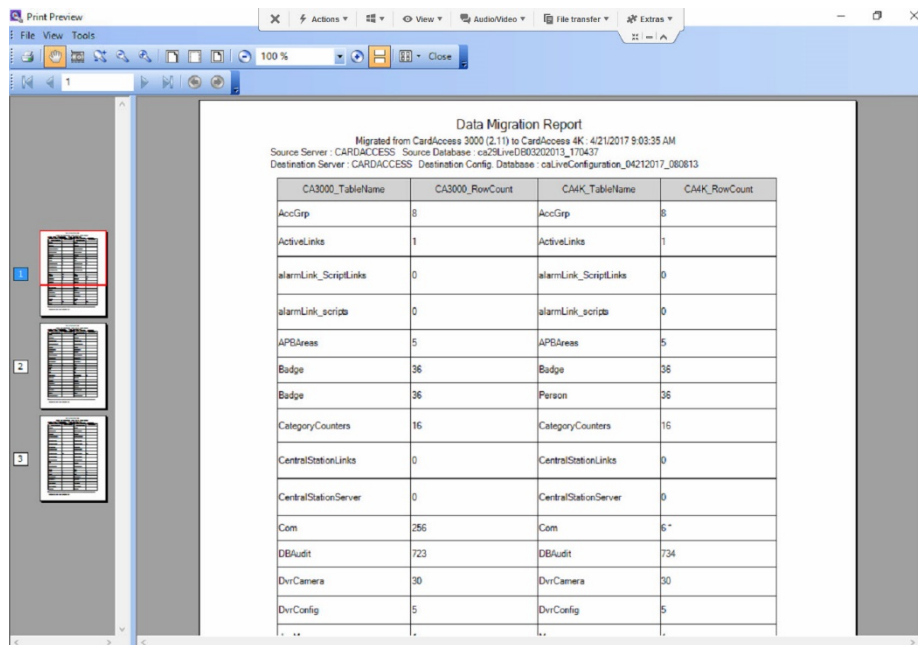

DATA MIGRATION

10. After the **All Data** transfer is complete, the **Data Migration completed successfully** screen displays. If any **UNC Names** were updated, a message box will display. Click **OK**.

11. After clicking OK, the **Data Migration completed successfully** screen displays. Click **Finish.**

12. After clicking **Finish**, you will be prompted with the option to view the **Data Migration Report. Click Yes** to view the report. This report will list the tables and counts of records migrated to the CA4K™ databases. Verify the tables and counts compare to the report in in step 9. The tables noted with asterisks, might show a different value.

DATA MIGRATION

"Events and Audit Log Only" Migration (Optional)

NOTE: The destination database used for this migration should be a CA4K™ Archive events database. The following steps must be performed after an "All data" transfer is complete.
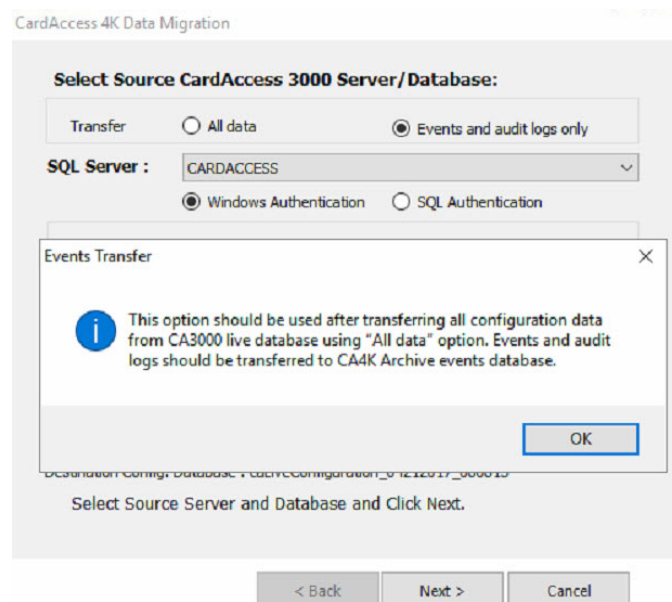
13. Launch the Data Migration Utility if it's not already launched.

14. Select **Transfer Events and Audit Logs only.**

15. Upon clicking **Transfer Events and Audit Logs only,** the **Source SQL Server and Database** screen will display. In addition to this screen, an **Events Transfer** Information box will display. Click **OK** on the information box.

16. Select the **CardAccess 3000 Source SQL Server and Database** you are migrating the events from. Click **Next.**

17. Upon clicking Next, the **Destination SQL Server and Database** screen will display. Select a **CA4K™ Archive Events Destination Database**. Click **Next.**

18. Upon clicking Next, an **Events Transfer** Summary screen will display.

NOTE: If you wish to delete all the existing events currently in the destination database, select **Delete existing events before transfer**. Click **Next**.

**Warning** – Be very careful not to delete events that you do not have a backup of.

19. A screen will display with the **Total Row Counts** for the **DBAudit** and **Event** tables that will be transferred. Click **Transfer**.

20. A progress bar will display while transferring the Events. After the transfer of **Events** and **Audit Log** are complete, the **Data Migration completed successfully** screen will display. Click **OK**.
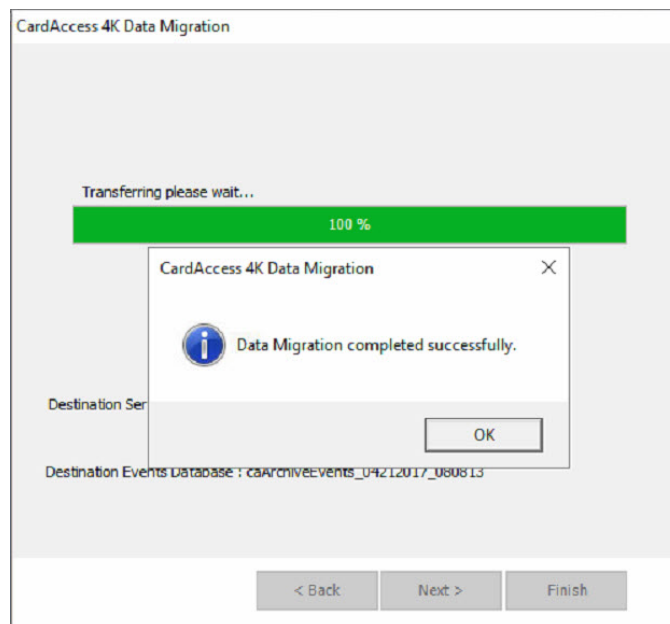
21. After clicking **OK**, you will be prompted with the option to view the **Data Migration Report.** Click **Yes.**

22. Upon clicking **Yes**, verify the tables and counts compare to the report in step 19.
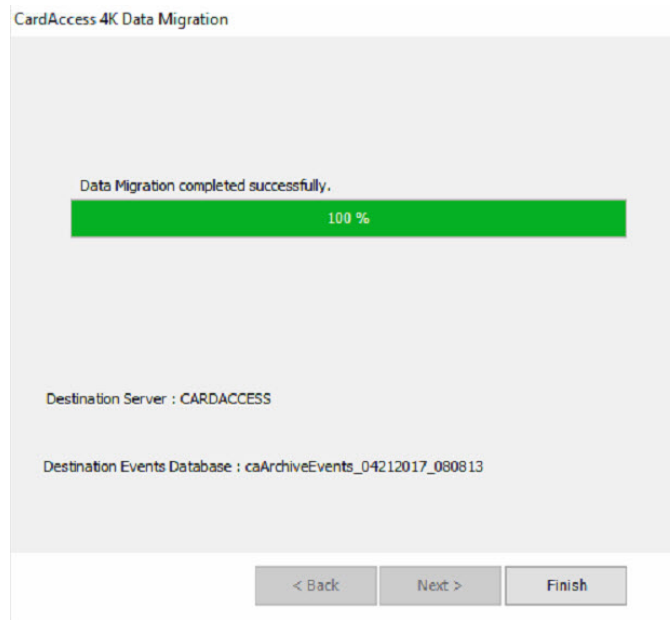

23. Close the **Data Migration Report**. The **Data Migration completed successfully** screen displays.

24. Click **Finish**.

25. Upon clicking **Finish**, a message box will display that **All Services must restarted**. Click **Yes** to restart all Services.

NOTES:

DATA MIGRATION