



CardAccess 3000 to CA4K™ Data Migration Guide

(Version 1.1.5x)

Revision: Rev K

Date: 1/13/2022



DISCLAIMER

Continental Instruments LLC makes no representations or warranties with respect to the contents hereof and specifically disclaim any implied warranties of merchantability or fitness for any particular purpose. Further, Continental Instruments LLC reserves the right to revise this publication and to make changes from time to time in the content hereof without obligation of Continental Instruments LLC to notify any person of such revision or changes.

Copyright © 2016 by Continental Instruments LLC. All rights reserved. No part of this publication may be reproduced, transmitted, transcribed, or stored in a retrieval system, without the prior written permission of Continental Instruments LLC, 355 Bayview Avenue, Amityville, NY 11701. Telephone: 631-842-9400 • FAX: 631-842-9135

This document contains proprietary information of NAPCO Security Technologies. Unauthorized reproduction of any portion of this manual without the written authorization of NAPCO Security Technologies is prohibited. The information in this manual is for informational purposes only. It is subject to change without notice. Companies, names and data used in examples herein are fictitious unless otherwise noted. NAPCO Security Technologies assumes no responsibility for incorrect information this manual may contain.

A NAPCO SECURITY TECHNOLOGIES COMPANY
Publicly traded on NASDAQ Symbol: NSSC

Visit our websites:

<http://www.cicaccess.com/>

<http://www.napcosecurity.com/>

<http://www.alarmlock.com/>

Table of Contents

<i>DISCLAIMER</i>	1
<i>Must Read before you begin Migration</i>	3
<i>Overview</i>	4
<i>System Requirements</i>	4
<i>Ensure Recommended Server Requirements are met</i>	4
<i>Verify Full Administrator Permissions</i>	4
<i>Related Documents</i>	5
<i>Prerequisites</i>	5
<i>Data Migration Steps</i>	6
<i>“All Data” Migration</i>	7
<i>“Events and Audit Log Only” Migration (Optional)</i>	14
<i>NOTES</i>	19

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.

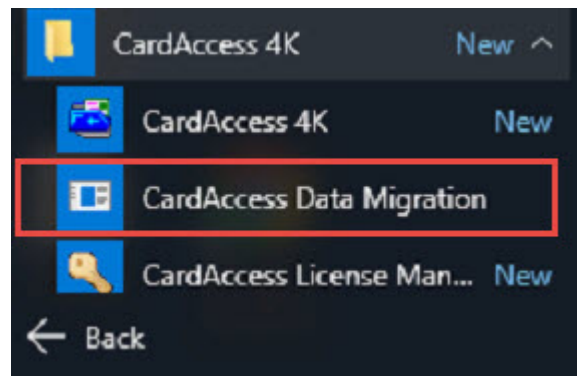
Prerequisites

- 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)

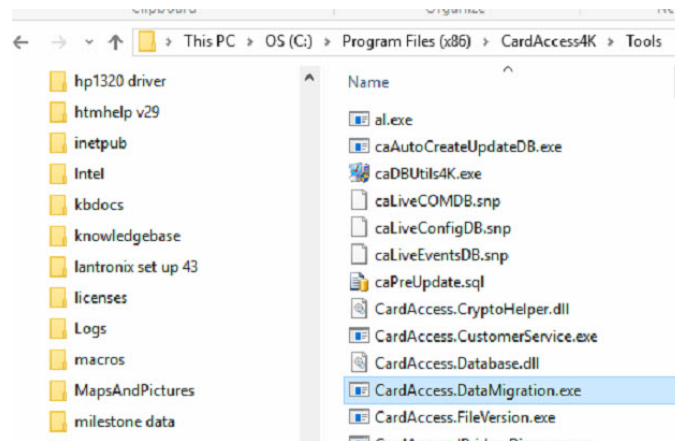
Data Migration Steps

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**.



“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**.

CardAccess 4K Data Migration

Select Source CardAccess 3000 Server/Database:

Transfer ☒ All data ☐ Events and audit logs only

SQL Server : CARDACCESS

☒ Windows Authentication ☐ SQL Authentication

SQL User Name: pic SQL Password:

SQL Database :

Source Server : CARDACCESS

Database

Select Source Server and Database and Click Next.

< Back Next > Cancel

NOTE: Prior to performing the Migration, the CA3K source databases must be attached to SQL Server on the CA4K computer.

CardAccess 4K Data Migration

Select Source CardAccess 3000 Server/Database:

Transfer ☒ All data ☐ Events and audit logs only

SQL Server : CARDACCESS

☒ Windows Authentication ☐ SQL Authentication

SQL User Name: pic SQL Password:

SQL Database : ca29live0803202013_170437

Source Server : CARDACCESS

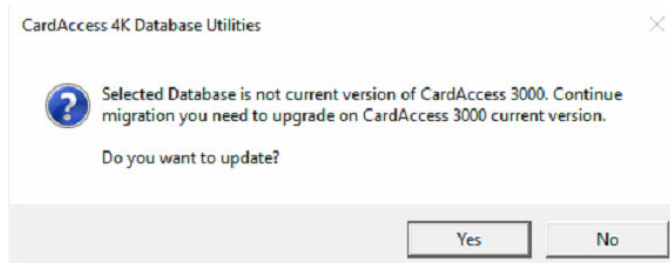
Database

Select Source Server and Database and Click Next.

< Back Next > Cancel

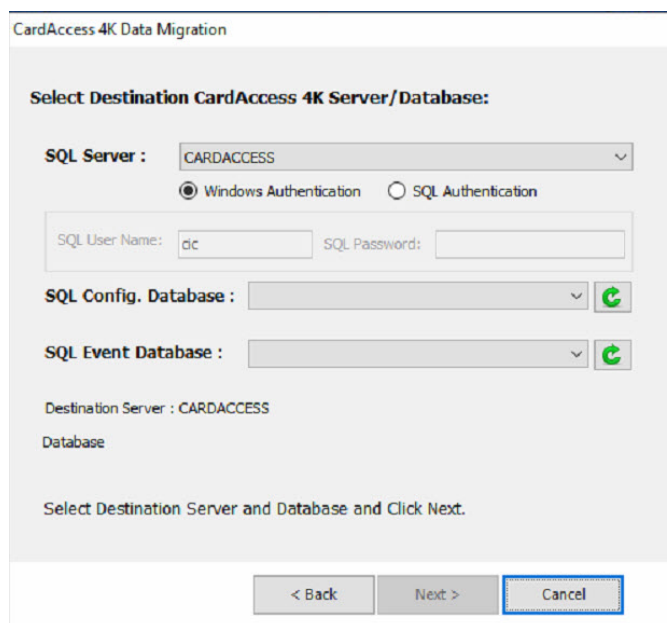
5. If the selected Source Database is not V2.11.84, and is at least V2.9.88, you will be prompted to update the database. Click **Yes** to update the database to V2.11.84 from V2.9.88.

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.

A screenshot of the "CardAccess 4K Data Migration" window. The title bar says "CardAccess 4K Data Migration". The main area is titled "Select Destination CardAccess 4K Server/Database:". It contains several fields: "SQL Server :" with a dropdown menu showing "CARDACCESS"; "Windows Authentication" (selected) and "SQL Authentication" (unselected) radio buttons; "SQL User Name:" with a text box containing "dc" and "SQL Password:" with an empty text box; "SQL Config. Database :" with a dropdown menu and a green refresh icon; "SQL Event Database :" with a dropdown menu and a green refresh icon; "Destination Server : CARDACCESS"; and "Database" (empty). At the bottom, there is a instruction "Select Destination Server and Database and Click Next." and three buttons: "< Back", "Next >", and "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 : caLiveConfiguration_03132017_103115
caArchiveConfiguration_03132017_103115
caLiveConfiguration_03162017_151101
caArchiveConfiguration_03162017_151101
caLiveConfiguration_04212017_080813
caArchiveConfiguration_04212017_080813

Destination Server : CARDACCESS

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
caLiveEvents_03162017_151101
caArchiveEvents_03162017_151101
caLiveEvents_04212017_080813
caArchiveEvents_04212017_080813

Destination Server : CARDACCESS

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_04212017_080813

Destination Server : CARDACCESS

Destination Event Database : caLiveEvents_04212017_080813

Destination Config. Database : caLiveConfiguration_04212017_080813

Select Destination Server and Database and Click Next.

< Back Next > Cancel

- 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**.

CardAccess 4K Data Migration

Com Servers

	HCS No	Com Server Name	New Com Server Name
▶	1	CARDACCESS	CARDACCESS

Script Servers

	Id	Unc Name	New Unc Name
▶	1	CARDACCESS	CARDACCESS

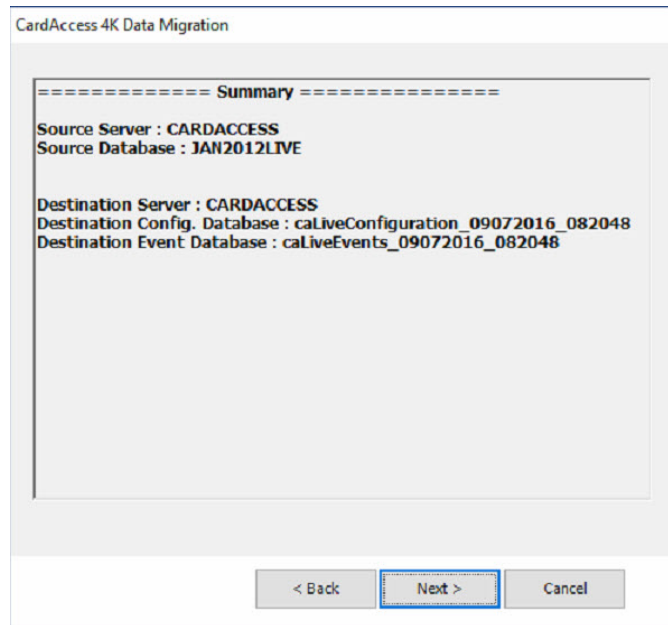
Napco WorkStations

	Id	Unc Name	New Unc Name	IP Address
▶	1	CARDACCESS	CARDACCESS	0.0.0.0

NOTE: Please enter new Com Server, Script Server and Napco Workstation UNC names if they are different from original UNC name.

< Back Next > Cancel

8. The **CA4K™ Data Migration Summary** screen displays. Click **Next**.



CardAccess 4K Data Migration

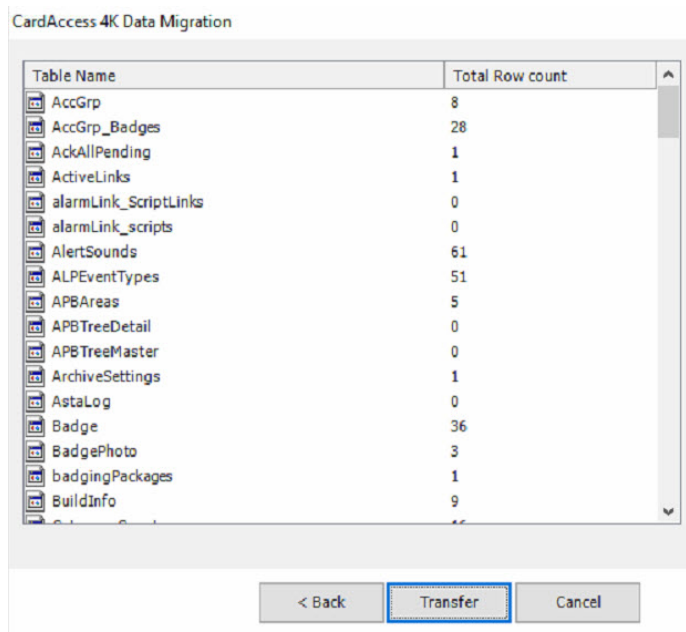
===== Summary =====

Source Server : CARDACCESS
Source Database : JAN2012LIVE

Destination Server : CARDACCESS
Destination Config. Database : caLiveConfiguration_09072016_082048
Destination Event Database : caLiveEvents_09072016_082048

< Back **Next >** Cancel

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**.

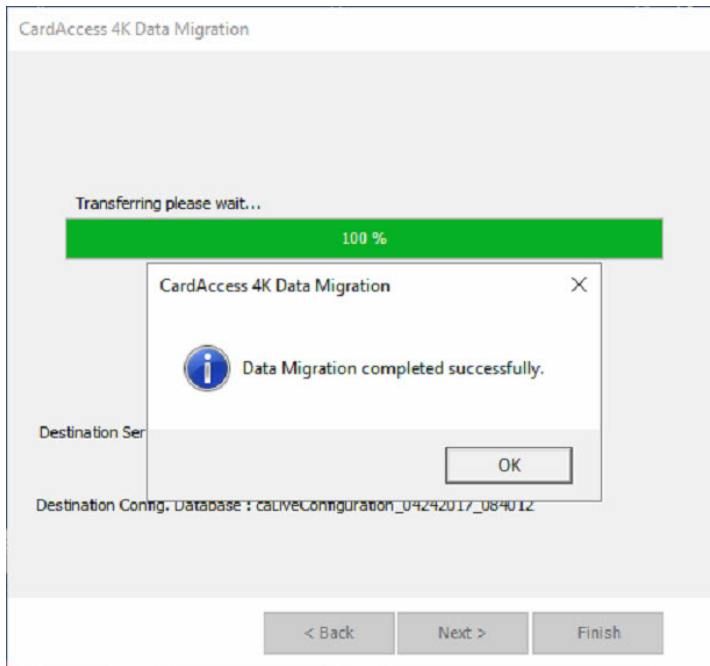


CardAccess 4K Data Migration

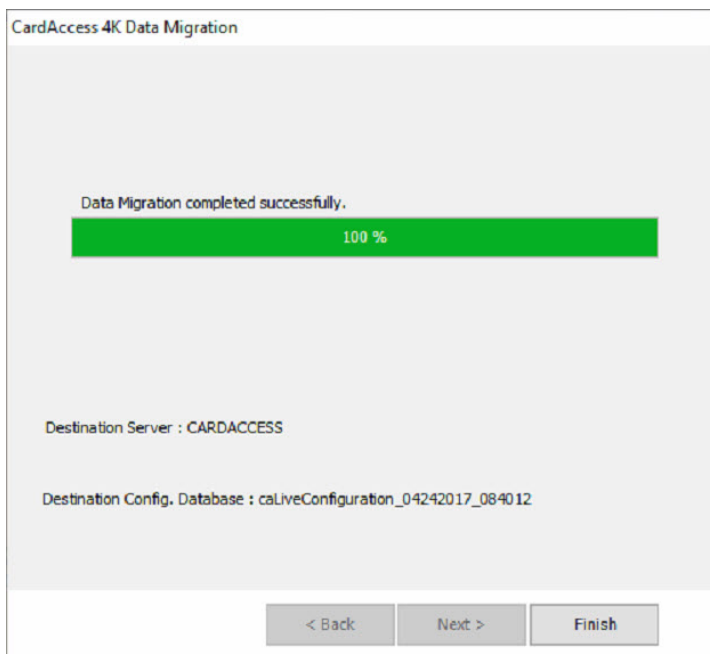
Table Name	Total Row count
AccGrp	8
AccGrp_Badges	28
AckAllPending	1
ActiveLinks	1
alarmLink_ScriptLinks	0
alarmLink_scripts	0
AlertSounds	61
ALPEventTypes	51
APBAreas	5
APBTreeDetail	0
APBTreeMaster	0
ArchiveSettings	1
AstaLog	0
Badge	36
BadgePhoto	3
badgingPackages	1
BuildInfo	9

< Back **Transfer** Cancel

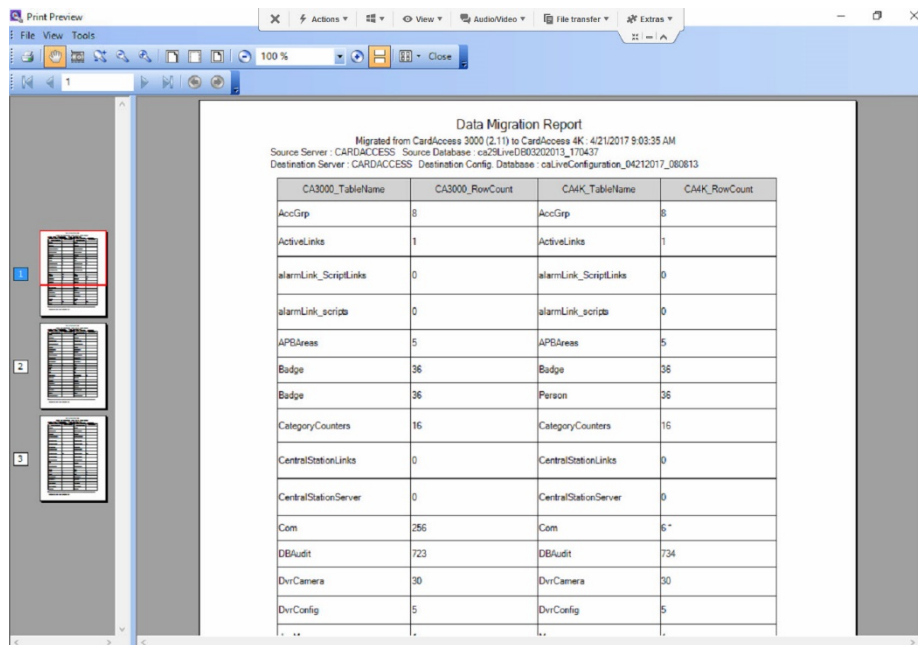
10. After the **All Data** transfer is complete, the **Data Migration completed successfully** screen displays. If any **UNC Names** were updated, a message box will display. Click **OK**.



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.



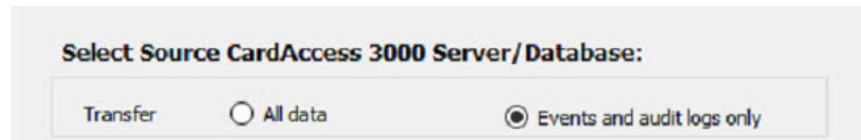
Data Migration Report
Migrated from CardAccess 3000 (2.11) to CardAccess 4K: 4/21/2017 9:03:35 AM
Source Server : CARDACCESS Source Database : ca29LiveDB03202013_170437
Destination Server : CARDACCESS Destination Config Database : caLiveConfiguration_04212017_060813

CA3000_TableName	CA3000_RowCount	CA4K_TableName	CA4K_RowCount
AccGrip	8	AccGrip	8
ActiveLinks	1	ActiveLinks	1
alarmLink_ScriptLinks	0	alarmLink_ScriptLinks	0
alarmLink_script	0	alarmLink_script	0
APBAreas	5	APBAreas	5
Badge	36	Badge	36
Badge	36	Person	36
CategoryCounters	16	CategoryCounters	16
CentralStationLinks	0	CentralStationLinks	0
CentralStationServer	0	CentralStationServer	0
Com	256	Com	6*
DBAudit	723	DBAudit	734
DvrCamera	30	DvrCamera	30
DvrConfig	5	DvrConfig	5

“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.

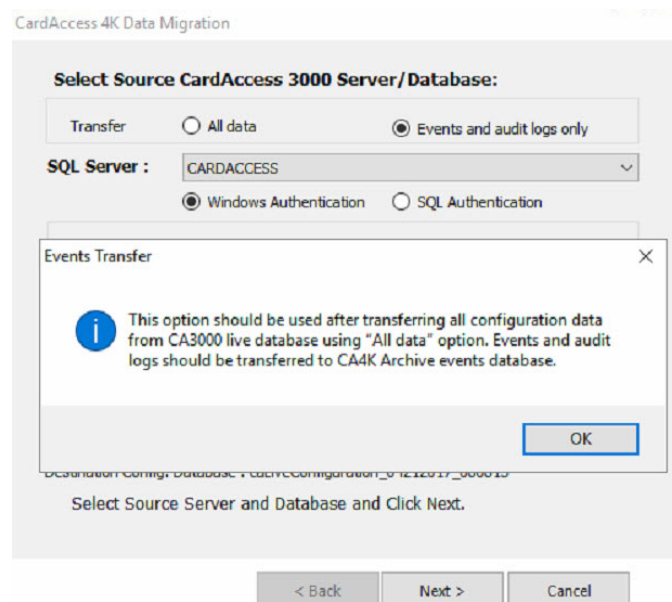
13. Launch the Data Migration Utility if it's not already launched.
14. Select **Transfer Events and Audit Logs only**.



Select Source CardAccess 3000 Server/Database:

☐ Transfer ☐ All data ☒ 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**.



CardAccess 4K Data Migration

Select Source CardAccess 3000 Server/Database:

☐ Transfer ☐ All data ☒ Events and audit logs only

SQL Server : CARDACCESS

☒ Windows Authentication ☐ SQL Authentication

Events Transfer

i This option should be used after transferring all configuration data from CA3000 live database using "All data" option. Events and audit logs should be transferred to CA4K Archive events database.

OK

Select Source Server and Database and Click Next.

< Back Next > Cancel

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

CardAccess 4K Data Migration

Select Destination CardAccess 4K Server/Database:

SQL Server : CARDACCESS

☒ Windows Authentication ☐ SQL Authentication

SQL User Name: dc SQL Password:

SQL Event Database : caArchiveEvents_04242017_084012

Destination Server : CARDACCESS

Destination Event Database : caArchiveEvents_04242017_084012

Select Destination Server and Database and Click Next.

< Back Next > Cancel

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

CardAccess 4K Data Migration

===== Summary =====

Source Server : CARDACCESS
Source Database : ca29LiveDB03202013_170437

Destination Server : CARDACCESS
Destination Event Database : caArchiveEvents_04212017_080813

☐ Delete existing events before transfer

< Back Next > Cancel

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.

CardAccess 4K Data Migration

===== **Summary** =====

Source Server : CARDACCESS
Source Database : ca29LiveDB03202013_170437



Destination Server : CARDACCESS
Destination Event Database : caArchiveEvents_04212017_080813

☒ Delete existing events before transfer

< Back Next > Cancel

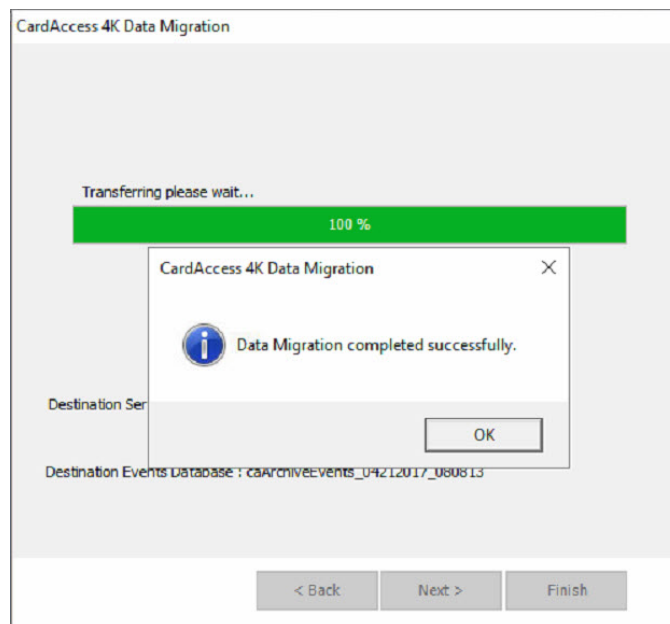
19. A screen will display with the **Total Row Counts** for the **DBAudit** and **Event** tables that will be transferred. Click **Transfer**.

CardAccess 4K Data Migration

Table Name	Total Row count
 DBAudit	723
 Event	123

< Back Transfer Cancel

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.

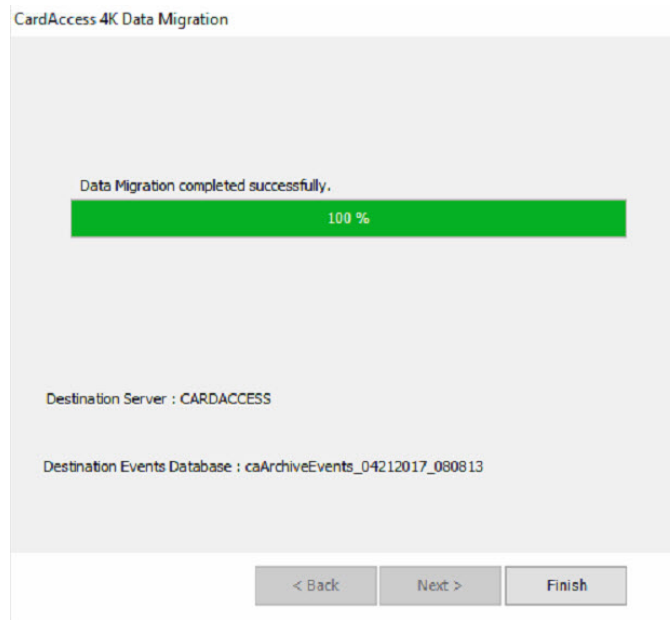
Data Migration Report

Migrated from CardAccess 3000 (2.11) to CardAccess 4K, 4/24/2017 10:40:28 AM

Source Server : CARDACCESS Source Database : ca29LiveDB03202013_170437
Destination Server : CARDACCESS Destination Event Database : caArchiveEvents_04242017_084012

CA3000_TableName	CA3000_RowCount	CA4K_TableName	CA4K_RowCount
DBAudit	723	DBAudit	723
Event	123	Event	123

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: