CA4K™ "Server Only" Installation Guide

(Version 1.1.5x or later)

Revision: Rev E

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Education   Airport

Healthcare   Government

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Must Read before you begin installation

- If you are performing an upgrade on CA4K™ Version 1.1.3x or later, the installation will automatically remove the previous version of CA4K™ and the setup must be launched again.

- The screenshots in this document might not reflect the latest version of the CA4K.

- The Version 1.1.5x of CA4K™ requires a Version 1.1.x software license. Software licenses for Version 1.0.x will not work with a CA4K Version 1.1.x.

- The software license must be installed on the **Server Only** (CA4K host) computer.

- The **Server Only** installation must be used for a CA4K™ Server (host) when a **Database Server** is used. The **Server Only** computer points to the two Configuration and two Events databases on the **Database Server.** SQL Server Express will be installed on the **Server Only** computer and only one database will be created. The one database created on the **Server Only** is called caComdb, and is used for communications. The four Configuration and Events databases will be on the **Database Server**.

- Prior to starting the CA4K™ **Server Only** installation, 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 installation failures.

- If the EPI Badging has been purchased, it is highly recommended to install it on a CA4K™ workstation. If EPI Badging is installed on the CA4K™ Complete Server, the performance might be degraded.

Overview

This document provides a step by step procedure of a CA4K™ **Server Only** installation. Prior to starting the installation, you must verify the computer meets the recommended computer specifications and you have the CA4K™ DVD and software license for the CA4K™.

System Requirements

Ensure Recommended Server Requirements are met

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

Verify Full Administrator Permissions

Continental Access requires Full Administrator permissions to install the CA4K™ software. Failure to provide these permissions will result in installation failures.

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

CA4K™ Data Migration Guide - A step by step guide on migrating a CardAccess 3000 database to a CA4K™ database.

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

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

CA4K™ System Requirements – Computer Specifications.

Prerequisites

The following prerequisites are required prior to installing CA4K™. If they are not detected, they will be installed automatically:

- Microsoft Visual C++ Redistributable Packages
- SAP Crystal Reports

CA4K™ (Server Only) Installation

Note: The versions in the screenshots might not display the latest version of CA4K.

1. Insert the CA4K™ Installation DVD into the DVD drive. If **Auto-Play** is enabled on the computer, the software will launch automatically. On some operating systems, the following screen will display. If the screen below displays, click **Run Launch.exe** to start the installation. **Note:** a different screen might display where it is required to **Tap** the screen to launch the installation.

    Note: The DVD version displaying on your screen might be later.

2. If **Auto-Start** is not enabled on the computer, you must manually launch the CA4K™ installation. Simply click the Windows Start button, then click **Run**. In the Run window, browse to the DVD and select **launch.exe** from the DVD drive. Alternatively, you can navigate to the DVD manually and run **launch.exe**. For our demonstration, the DVD drive letter is D:.
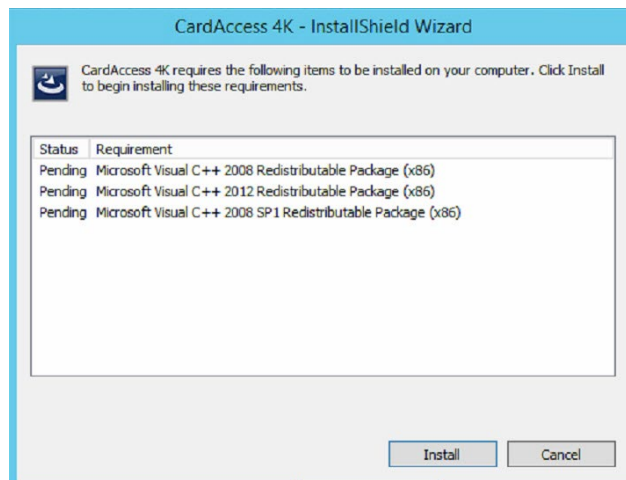

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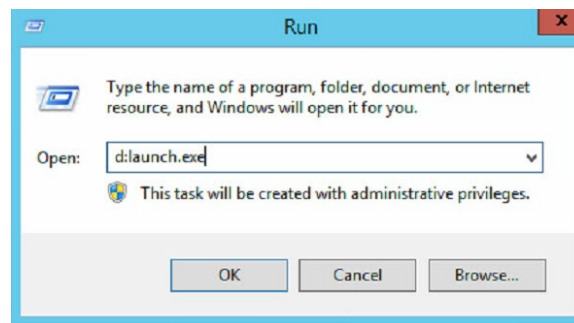
3. If the installation launches automatically, the CA4K™ main menu will display. Click **Install CA4K™** on the Main menu.
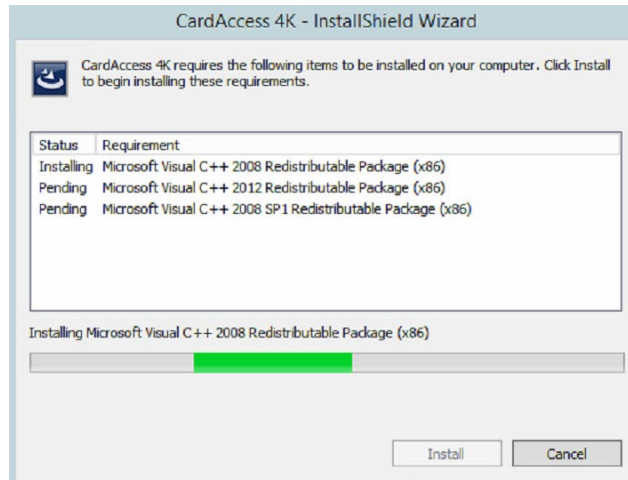

4. The Requirements screen displays all the required software components which must be installed before the installation begins. Click **Install**.
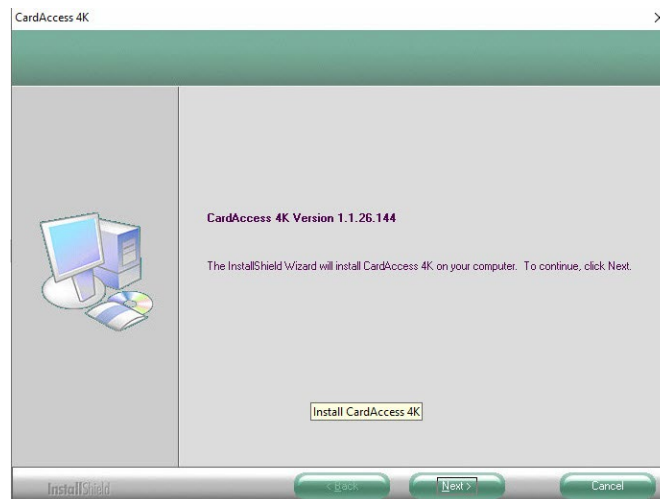
    Note: The following two screens might vary between different operating systems and if any of these prerequisites are already installed.
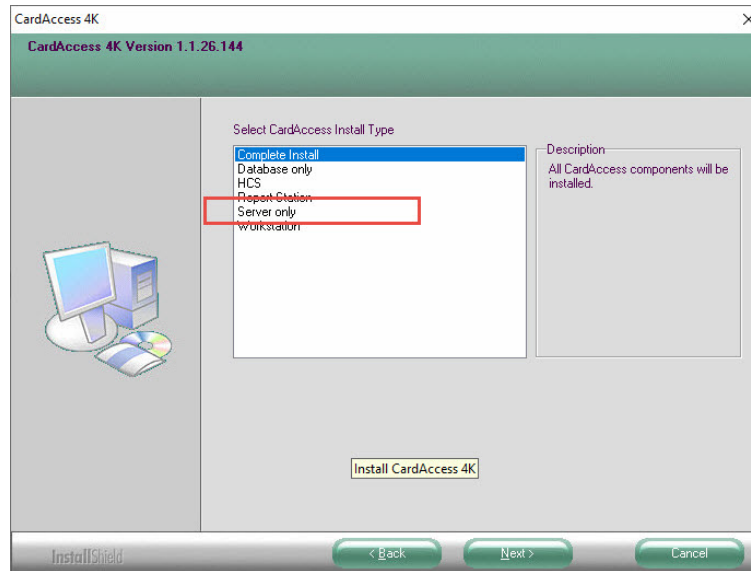
5. A progress bar will display as the **required software components** are being installed.
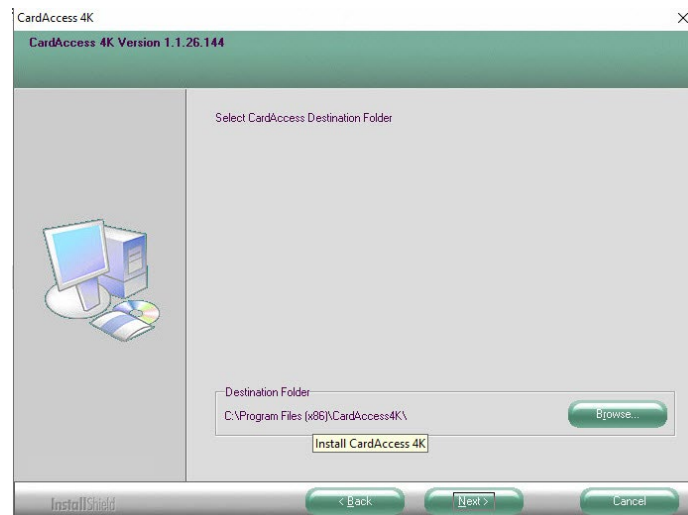

6. After the required software components are installed, the **Welcome to CA4K™ Setup program** screen will display. Click **Next**.
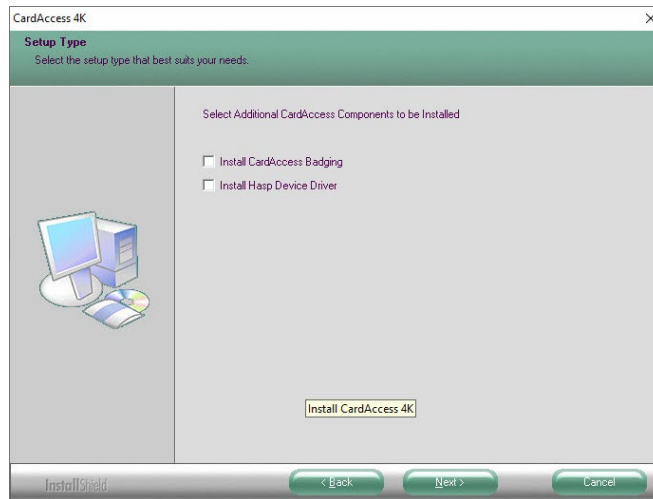
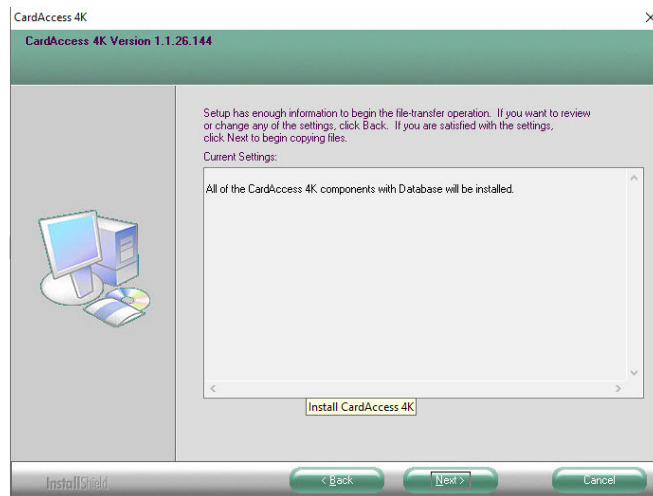7. Select **CardAccess Server Only** Installation. Click **Next**.

8. The **Select CardAccess Destination Folder** screen displays. Click **Next**.
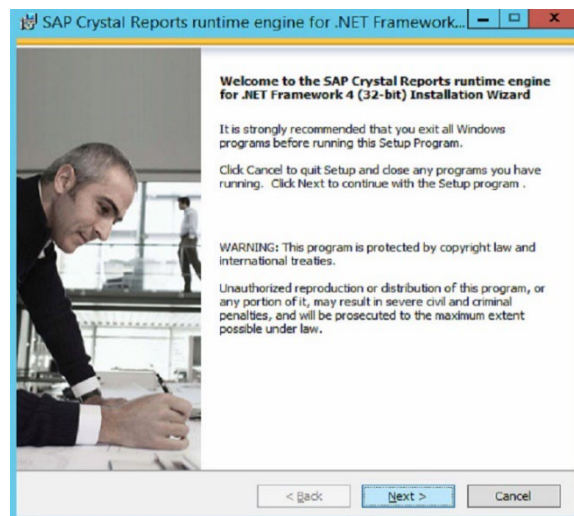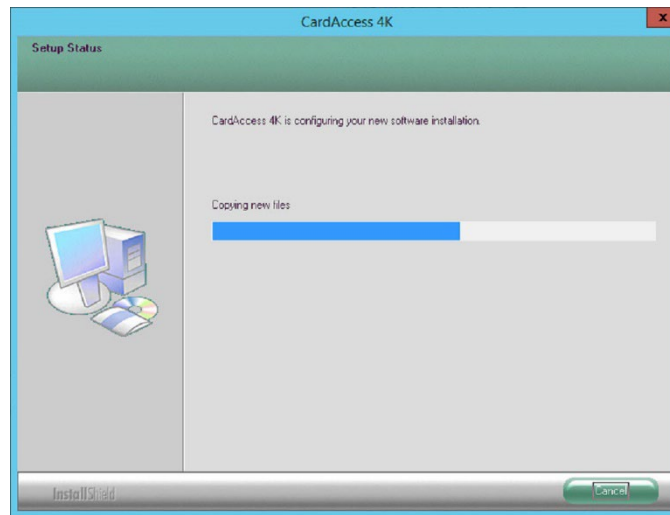
9. The **Select CardAccess Components** screen displays. For our demonstration, we will not select any options. Click **Next**.
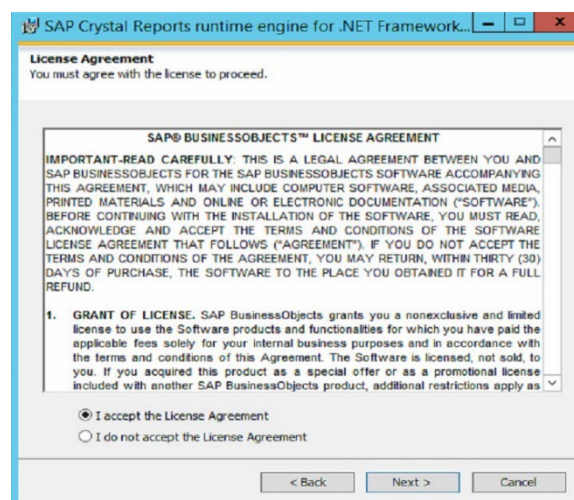

10. The **Current Information** screen displays. Click **Next**.

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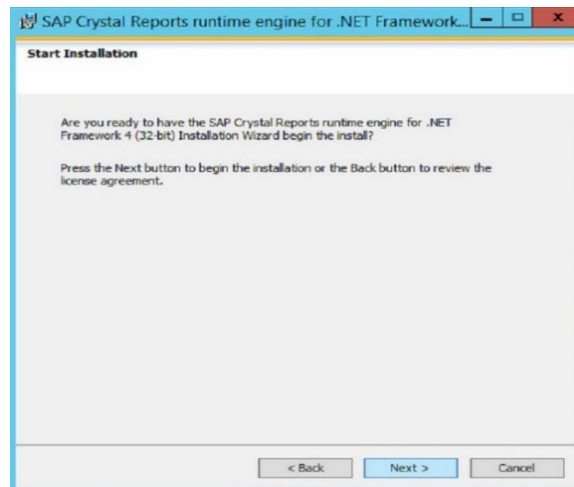
11. The **Setup Status** screen displays a progress bar during the installation of the CA4K™.
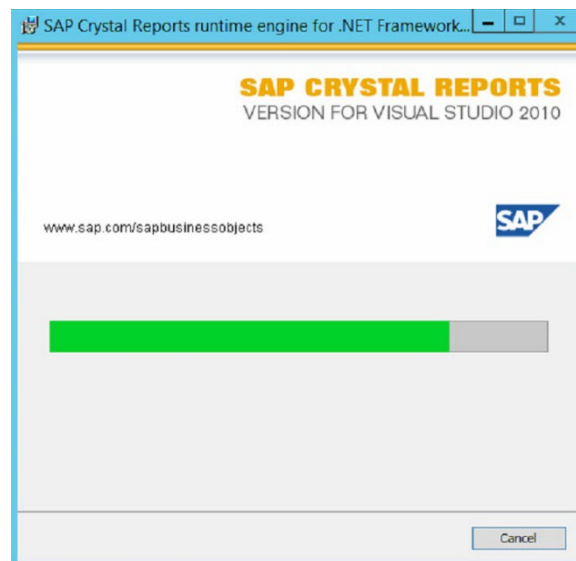

13. The **License Agreement** screen displays. Select **I accept the License Agreement**. Click **Next**.

14. The SAP Crystal Reports **Start Installation** screen displays. Click **Next**.

15. A **progress bar** will display while the SAP Crystal Reports is installing.

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16. After the installation is complete, the **SAP Crystal Reports runtime engine for.NET Framework 4 (32 bit) has been successfully installed** screen displays. Click **Finish**.
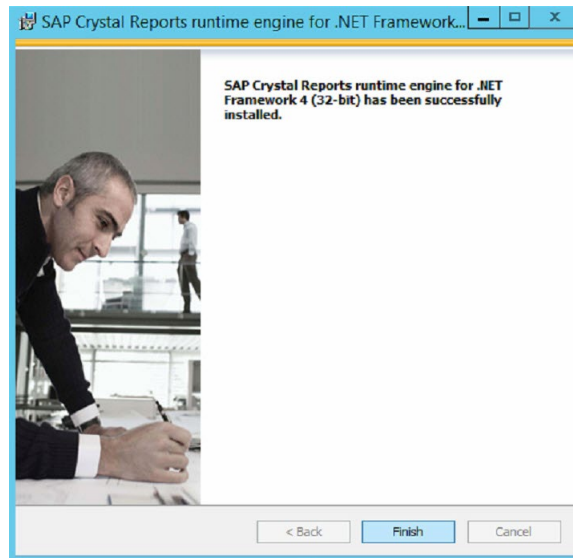
   NOTE: For CA4K V1.1.5x, SQL 2019 Express will install.

17. If an instance of SQL Server is not detected, the **Installing SQL Server 2019, please wait** screen will display a few times during the installation of SQL Server 2019.

18. The **Please wait while Microsoft SQL Server 2019 Setup processes the current operation** screen displays a few times during the installation of SQL Server 2019.

19. An Installation **Progress bar** will display while Microsoft SQL Server 2019 is installing.

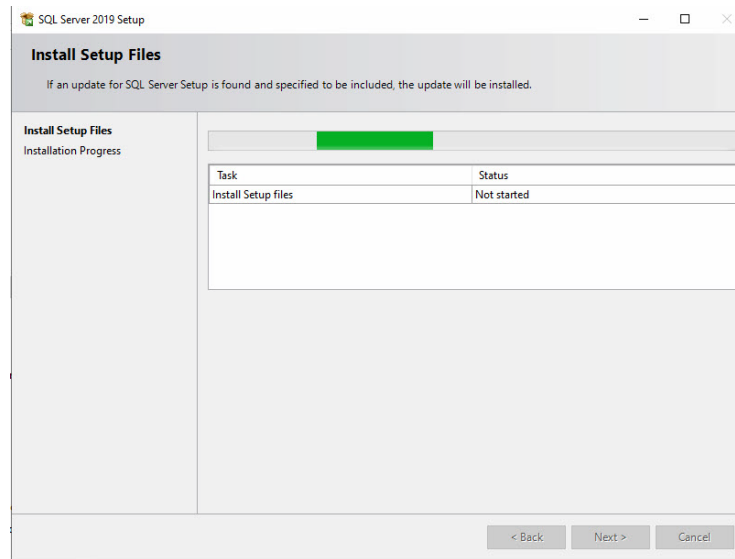Note: On a Server Only Installation, only a limited amount of SQL components are installed for the necessary tools.

20. The **Please wait while Microsoft SQL Server 2019 Setup processes the current operation** screen displays.
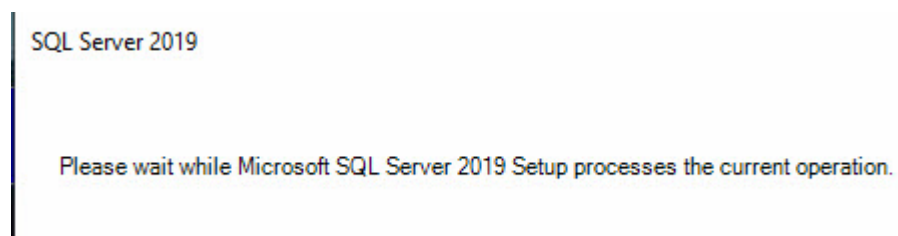
21. An **Installation Progress bar** will display while SQL Server 2019 is installing.
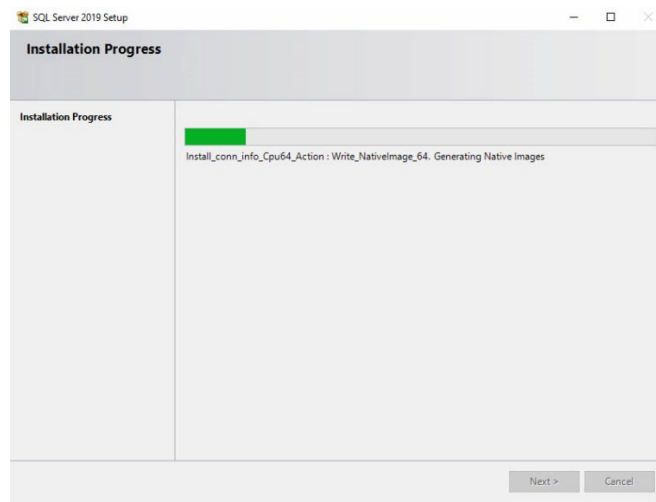
22. On a **Server Only** installation, only the one **caComdb** database will be created.
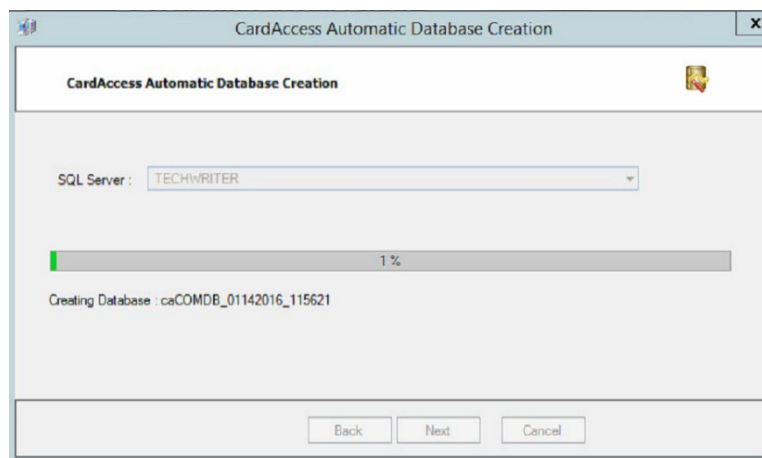
23. The **CardAccess Installation** completed screen displays. Click **Yes to restart the computer.**

24. If the **Main menu** displays after the Installation, click **Exit**.

Software License Information

CardAccess Software license (Import, Activate and Register)

The CA4K™ software license is required to launch the CA4K™ software. The name of the license file is "CardAccess.lic". The license file will be emailed to you from Continental Access. The software license only needs to be installed on the CA4K™ "Complete Server" or "Server Only" computer. After the software license is Imported, Activated and Registered, information regarding your soft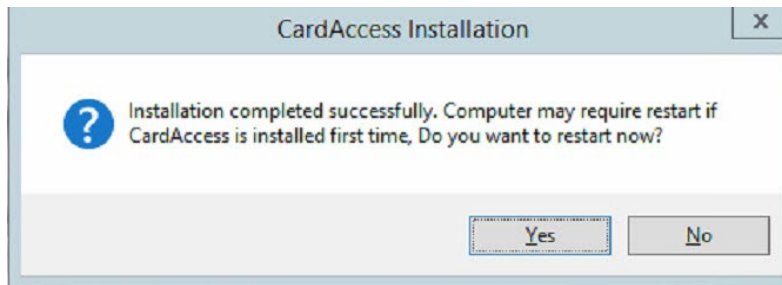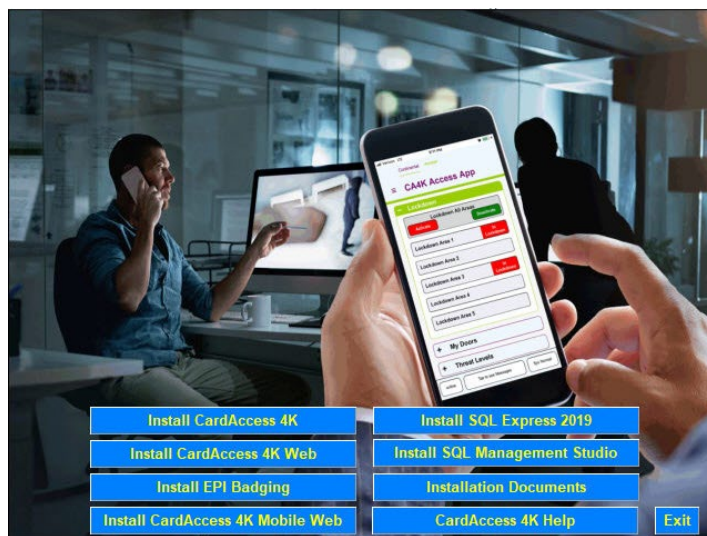ware license, can be found in the *Help > About* section of the CA4K™ application and also in the **CardAccess 4K Client License Manager** screen.

Below are to steps required to license the CA4K™ application.

Copy the License file to the desktop

1. After receiving the CardAccess.lic file via an email, save the file to the desktop of the CA4K™ server.

2. In addition to step 1, save a copy of the license off the computer in a safe location. Be sure that you know where the license file is saved, in case you need the original file in the future.

Import a New License

1. Start the **CardAccess 4K Client License Manager** application.

2. Click **System>Import License.**

3. Navigate to the **CardAccess.lic** file on the desktop.

4. Click **Import**.

   NOTE: With only the license Imported, you will be provided a grace period that allows the software to function. You must Activate and Register the software license prior to the Grace Period expiring. Failure to do so will result in the software not launching. In most cases the Grace Period is approximately 60 days or less. It is recommended to have an internet connection for Online Activation and Registration.

Activate and Register Software License (Both Mandatory)

   Reminder: You must activate and register the software license prior to the Grace Period ending. If the Grace Period is still active, the amount of time left will display in the **CardAccess 4K Client License Manager screen** under "Days Left".

1. Using the **CardAccess 4K Client License Manager screen,** view the license that you have imported and verify it is the correct version.

2. From the main menu, click **Activate and Register.**

3. Choose an activation method:
   - **Online** – (Recommended) select this option to activate the license over the Internet. You may be prompted to provide proxy information to connect to the activation server.

NOTE: If you are unable to obtain internet access, please contact Continental Sales Licensing department to perform a phone activation.

Hardware USB Security Key Information

NOTE: In most cases a software license should be used.

Configuring the Hardware USB Security Key (Dongle)

Important: In almost all cases, it is recommended to use a software license. A hardware USB key will only be available as a custom order and for an additional fee. If you are using a software license, you do not need to use a hardware USB key. For information on importing, activating and registering a software license, refer to the Software License Information on the previous page.

Configure a USB Hardware Key

If you are using a hardware key that attaches to the USB port, then you must install a driver in order for Windows to recognize the device.

Important: You must install the driver for the USB hardware key BEFORE attaching the key to the computer.

To configure a USB hardware key:

1. Install the Hasp USB hardware key driver by doing the following:
    a. On the DVD, navigate to the Drivers>Hasp folder. While in the Drivers>Hasp folder, double-click the **haspinst.exe**.
    b. The InstallShield Wizard starts. Click **Next**.
    c. The wizard continues, and the License Agreement window opens. Select the **I accept the terms in the license agreement** radio button, and then click Next.
    d. The wizard continues, and the Setup Type window opens. Click **Install**.
    e. After the installation is complete, insert the Hardware USB key into a USB port.

NOTES:

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