Aurora 1.0.20.0 E-Plex Service Setup

Introduction

This updated version of Aurora introduces new certificates for enhanced security between the dormakaba HMS and E-Plex Services. This also serves to strengthen secure communications with existing and next generation products with the Aurora software client.

IMPORTANT – As of Aurora 1.0.20.0, all previous E-Plex Services will need to be removed and new E-Plex services will need to be installed to be able to work with Aurora 1.0.20.0 or higher. Please observe the following before continuing:

- This new installation process requires an Administrator level password

- This installation requires Microsoft .NET 4.7.2 (or higher). The installation program will install, if required. Copies of required files are located on the Aurora Software 1.0.20.0 DVD

- Certificate setup is completed on the E-Plex Service server (if different from the database server)

- Certificates are required with Aurora version 1.0.20.0 when using E-Plex products

Current E-Plex Services

Previously running E-Plex Services must be stopped and uninstalled prior to creating certificates.

Follow these steps to stop and uninstall current E-Plex Services:

1) Stop existing E-Plex Services by opening a run command (Windows Key + R) and run **services.msc**.
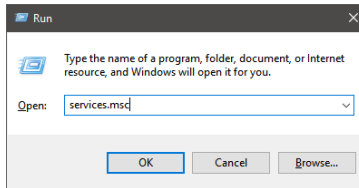
2) From the Services list, locate EPLEX HMS & EPLEX Server. For each, right click and select **Stop**.
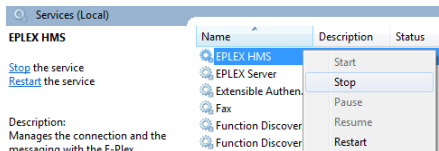
3) To uninstall the existing E-Plex Services, open a run command (Windows Key + R) and run **control panel**. From there, navigate to Programs and Features > Uninstall or change a program. Locate Keyscan Aurora E-Plex Services, right click and select **Uninstall**.
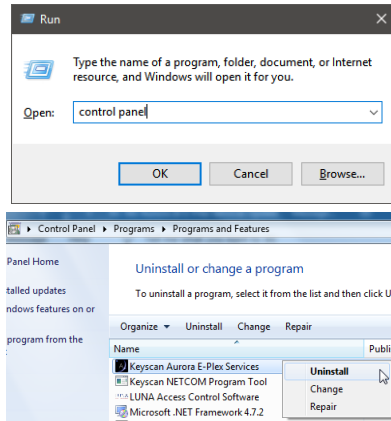
4) Select **Yes**. The Windows Installer will begin uninstalling the E-Plex Services (this may take several minutes). Once uninstalled, the program should no longer appear in the list of programs (detailed in the previous step).
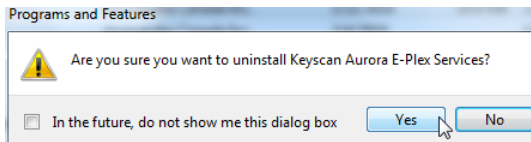

5) Create an Aurora database backup before proceeding.

6) Update the existing Aurora Software to 1.0.20.0 via the Aurora Update Process from: dormakaba.com/us-en/knowledge-center/software-downloads-updates/keyscan-aurora-software-updates. Locate **Download Aurora Software Update (Version 1.0.20.0)** and select the download button.

7) Shut down the Aurora software after upgrading to 1.0.20.0. Right-click the Aurora software icon and select **Run as Administrator**. Start the Aurora software.

E-Plex Certificate Creation

Public and Private certificates must be created prior to installing new E-Plex Services. Without proper setup, E-Plex Services will not connect to the Aurora database.

Follow these steps to create an E-Plex certificate:

1) Within the Aurora software client, navigate to Application Management > Application Utilities > Security (tab). Select **Create CA root certificate**.
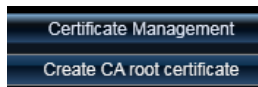

2) At the bottom of the screen, add the server IP (where E-Plex Services are installed) or 127.0.0.1 if the E-Plex service is local to the database PC. Select **Create new certificate**.

3) New information will appear on screen after creating a new certificate. Select **Export CA root certificate**.

Certificate Management	
Export CA root certificate	
CN=127.0.0.1	Export PKCS #12 file 🗑
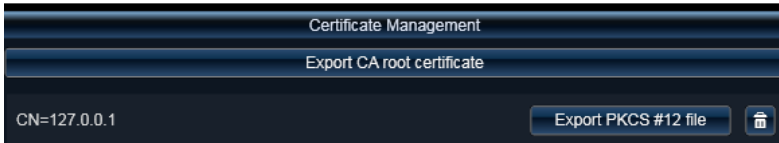
4) It is important to choose a safe location when exporting certificates. Select **Browse** to navigate through your computer to the desired (safe) location. Select **Export** when a location is chosen.

Export filepath
C:\ProgramData\Keyscan\Aurora\E-Plex Certificate.der   Browse
                                                        Export
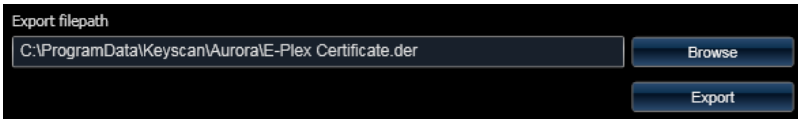
5) Next, Select **Export PKCS #12 file**. Follow the same file path chosen in the previous step (Step 4). Input a strong **Import password**; a password is required for adding the private certificate to the Microsoft Console. Select **Export** when a location is chosen.

Export filepath
C:\ProgramData\Keyscan\Aurora\E-Plex Certificate.pfx   Browse
Import password
••••   Export

E-Plex Certificate Implementation

*.DER Certificate

1) Open the certificate location (from Step 4 of the previous section) and right click on the *.DER certificate. Select **Install Certificate**. Select **Local Machine** and then **Next**.

E-Plex Certificate.cer   7/2/2019 11:26 AM
E-Plex Certificate.der
                                Open
                                Install Certificate
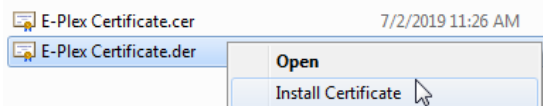
Welcome to the Certificate Import Wizard

This wizard helps you copy certificates, certificate trust lists, and certificate revocation lists from your disk to a certificate store.
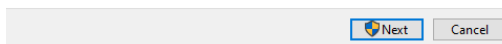
A certificate, which is issued by a certification authority, is a confirmation of your identity and contains information used to protect data or to establish secure network connections. A certificate store is the system area where certificates are kept.

Store Location
○ Current User
● Local Machine

To continue, click Next.

Next   Cancel

---

2) Assign the certificate to the Trusted Root Certification Authorities Store. Select **Next** and then **Finish**.

*PFX Certificate

1) Open the certificate location (from Step 5 on Page 2) and right click on the *.PFX certificate. Select **Install PFX**. Select **Local Machine** and then **Next**.

2) Select **Next**. A password prompt will appear, enter the Password from Step 5 on Page 2. Select **Next**.

File to Import
Specify the file you want to import.

File name:
C:\Program Files (x86)\Keyscan\E-Plex Certificate.pfx   [Browse...]

Note: More than one certificate can be stored in a single file in the following formats:
Personal Information Exchange- PKCS #12 (.PFX,.P12)
Cryptographic Message Syntax Standard- PKCS #7 Certificates (.P7B)
Microsoft Serialized Certificate Store (.SST)

[Next] [Cancel]

Private key protection
To maintain security, the private key was protected with a password.

Type the password for the private key.

Password:
••••
☐ Display Password

Import options:
☐ Enable strong private key protection. You will be prompted every time the private key is used by an application if you enable this option.
☐ Mark this key as exportable. This will allow you to back up or transport your keys at a later time.
☐ Protect private key using virtualized-based security (Non-exportable)
☑ Include all extended properties.

[Next] [Cancel]

3) Assign the certificate to the Personal Store and select **Next**, then **Finish**.

Certificate Store
Certificate stores are system areas where certificates are kept.

Windows can automatically select a certificate store, or you can specify a location for the certificate.
○ Automatically select the certificate store based on the type of certificate
⦿ Place all certificates in the following store
Certificate store:
Personal   [Browse...]

[Next] [Cancel]

Completing the Certificate Import Wizard

The certificate will be imported after you click Finish.
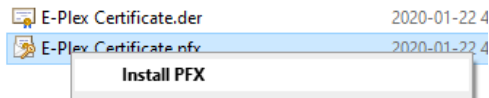
You have specified the following settings:

Certificate Store Selected by User	Personal
Content	PFX
File Name	C:\Program Files (x86)\Keyscan\E-Plex Certificate.pf

[Finish] [Cancel]

Verifying Certificates

To verify the certificates, open a run command (Windows Key + R). From the Open drop-down menu, select **certlm.msc** (Windows 10 only). Verify both certificates are present and installed correctly.
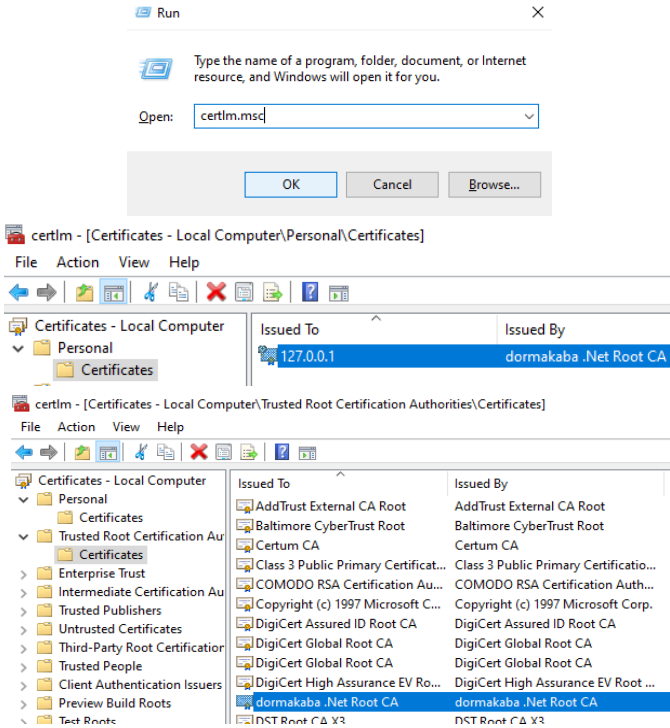
Install E-Plex Services

The final step in this Aurora software update process is to download the new E-Plex Services.

1) From the website, download the two separate installation packages (dormakaba HMS and E-Plex Server).

2) Run the dormakaba HMS Installer.msi file. The Setup Wizard will pop up. Select **Next**.
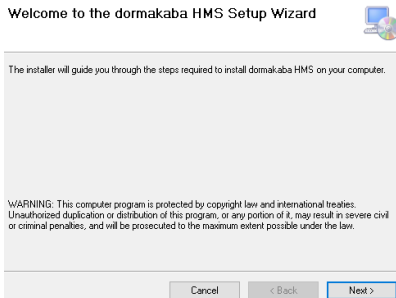
3) Select the destination folder with the **Browse** button. Once a pathway is chosen, select **Next**.

Select Installation Folder

The installer will install dormakaba HMS to the following folder.

To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".

Folder:
C:\Program Files (x86)\dormakaba Canada Inc\HMS\   [Browse...]

[Disk Cost...]

Install dormakaba HMS for yourself, or for anyone who uses this computer:

◉ Everyone
○ Just me

[Cancel]   [< Back]   [Next >]

4) Select **Next**.

Confirm Installation

The installer is ready to install dormakaba HMS on your computer.

Click "Next" to start the installation.

[Cancel]   [< Back]   [Next >]

5) Complete the installation by selecting **Close**.

Installation Complete

dormakaba HMS has been successfully installed.

Click "Close" to exit.

Please use Windows Update to check for any critical updates to the .NET Framework.

[Cancel]   [< Back]   [Close]
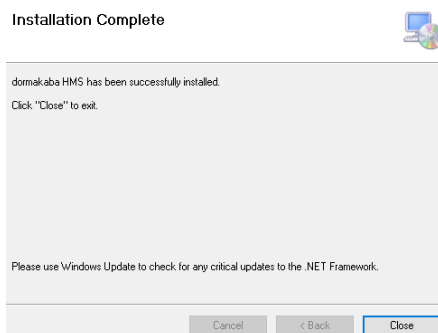
6) Run the E-Plex Server Installer.msi file. The Setup Wizard will pop up. Select **Next**.

Welcome to the Keyscan Aurora E-Plex Services
Setup Wizard

The installer will guide you through the steps required to install Keyscan Aurora E-Plex Services on your computer.

WARNING: This computer program is protected by copyright law and international treaties. Unauthorized duplication or distribution of this program, or any portion of it, may result in severe civil or criminal penalties, and will be prosecuted to the maximum extent possible under the law.

Cancel   < Back   Next >

7) Select the **Browse** button to identify the installation folder location. Once a path is chosen, select **Next**.

Select Installation Folder

The installer will install Keyscan Aurora E-Plex Services to the following folder.
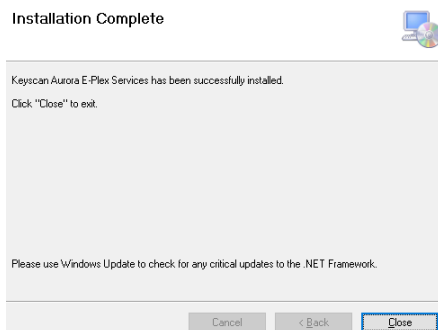
To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".

Folder:
C:\Program Files (x86)\Keyscan\Keyscan Aurora Communications\Ke   Browse...

                                                                    Disk Cost...

Install Keyscan Aurora E-Plex Services for yourself, or for anyone who uses this computer:

◉ Everyone
○ Just me

Cancel   < Back   Next >

8) Select **Next** to confirm the installation.

Confirm Installation

The installer is ready to install Keyscan Aurora E-Plex Services on your computer.

Click "Next" to start the installation.

Cancel   < Back   Next >
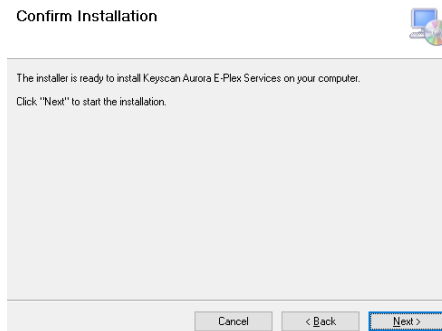
9) Select **Close** to complete the installation.

Installation Complete

Keyscan Aurora E-Plex Services has been successfully installed.

Click "Close" to exit.

Please use Windows Update to check for any critical updates to the .NET Framework.

Cancel | < Back | Close

---

dormakaba Canada Inc.

901 Burns Street East, Whitby, Ontario, Canada L1N 0E6

1-888-539-7226 (toll free Canada/USA)

(905) 430-7226 (elsewhere)

www.dormakaba.ca

Technical Support

Hours: 9:00 AM to 6:30 PM EST, Monday – Friday

Aurora 1.0.20.0 E-Plex Service Setup – KD50029-E-0923