American Innovations (AI) is pleased to announce version 2.5 of our PCS software. This document explains how to install PCS on a client machine in a client/server network.
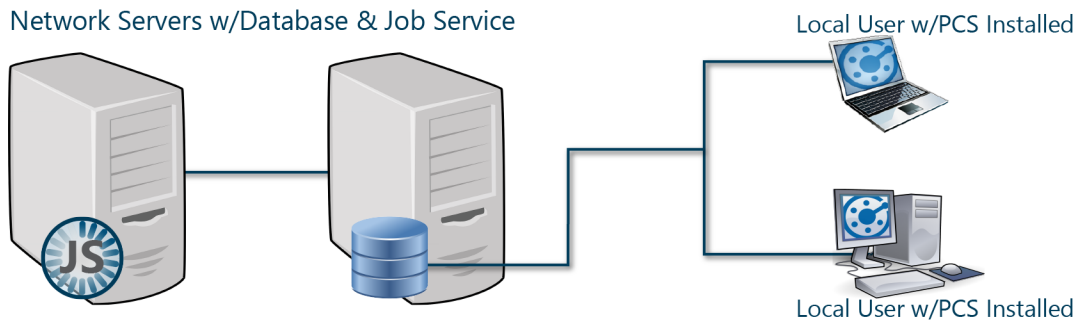

Figure 1-1. PCS Standard Client/Server Installation

For a listing of the recommended environments that the client machines should conform to, refer to *System Recommendations on page 2*.

The separate Installation Checklist provides both a breakdown of the steps required for installation and configuration of PCS as well as a recommendation for which tasks should be performed by an IT System Administrator, Database Administrator (DBA), PCS Administrator, or PCS User.

A separate PCS Server Installation document details the configuration of the server and installation of the PCS Job Service. The PCS Administrator Setup document details the installation and configuration of the PCS application on a local client or on the server for the PCS Administrator.

The *PCS Client Installation on page 3* section of this document details the steps required to install and configure all client machines. It is intended for your company's IT System Administrator, PCS Administrator, and the PCS user.

If you have questions or need assistance with the installation, refer to *Technical Support on page 7* for contact information.

Product Compatibility

PCS integrates with other products in the American Innovations product line to support additional methods of collecting cathodic protection data. The following table describes the compatibility between PCS version 2.5 and other American Innovations products.

Table 1-1. American Innovations Product Compatibility

AI Product	Compatibility with PCS v2.5	Integration Overview
PCS Field Data Collector App	v1.6 and later	Send survey files to the Allegro AX, Mesa 3, or iOS and receive the completed survey data and images. Receive CI and DCVG survey data.
Allegro QX	PCS version 7.2.1 or newer	Send survey files to the Allegro QX and receive the completed survey data and images. Receive CI and DCVG survey data.
PCS Viewer	PCS Viewer version 2.1 or newer	Review survey data from the Allegro prior to importing into PCS.
Bullhorn Web	Using the Bullhorn token	Receive data from Bullhorn Web using the PCS Bullhorn Bridge.
PCS Survey Manager	Compatible with .pss/.psh, .psx, and .zsvy file types	Facility Surveys are transferred wirelessly using the Integration token and Indirect Surveys are transferred using .zsvy.

System Recommendations

The system specifications that the server, job service, and client machines require will vary depending on the size of your database, the amount of data that is to be accessed on the machines, and the number of simultaneous client-server connections. The following are the minimum specifications we recommend for the client machine with a basic setup. Your company's configurations may require additional RAM, more powerful processors, or more disk space.

Client System Recommendations

Table 1-2. Local Client Computer Requirements

Properties	Recommended
Processor	Intel Core i7
Processor Speed	2.4 GHz or better
RAM	8 GB
Operating System	Windows 10, 64-bit
Available Disk Space	720 MB
Display Resolution	1920x1080
Microsoft .NET Framework	Version 4.6.2

Notes:

- **Microsoft .NET Framework** — If the target computer does not have Microsoft .NET Framework v4.6.2 installed, the PCS installation automatically installs it for you. This feature requires an active Internet connection to complete the installation of .NET Framework.

- **RAM** — 8 GB of RAM is sufficient for average use. However, if a client is accessing a large amount of data in PCS, additional RAM may be necessary to achieve optimal performance.

PCS Client Installation

PCS should be installed on all local and remote clients that will be connected to the network. The following tasks must be done by your company's IT System Administrator (🖥️) and PCS User (👤):

- Install PCS v2.5. 🖥️

- Activate PCS for the Current Login. 👤

Verify Network Access

The client machine, PCS users, and the Job Service user account must have access to the central database server and to the job service machine. In addition, firewall settings and other network configurations must allow access to the following domains:

For synchronization with your Bullhorn Web account via the optional Bridge add-on

- **https://www.bullhornsys.com**

For PCS Axis authentication and licensing services

- **https://aiworldwide.flexnetoperations.com/flexnet/deviceservices**

- **https://flex1188.flexnetoperations.com/flexnet/deviceservices**

- **https://aiworldwide.compliance.flexnetoperations.com/deviceservices**

- **https://flex1188.compliance.flexnetoperations.com/deviceservices**

To view PCS Axis online help

- **http://support.aiworldwide.com**

For wireless sync between products in the PCS Ecosystem (PCS Axis, PCS Survey Manager, PCS Field Data Collector)

- **https://api-pcs.aiconcentric.com**

- **https://api-aidb.aiconcentric.com**

- **https://api-sm.aiconcentric.com**

- **https://api-cp2.aiconcentric.com**

- **https://api-client.aiconcentric.com**

For PCS Field Data Collector and PCS Survey Manager authentication

- **https://api-auth.aiconcentric.com**

The standard ports for HTTP traffic (TCP port 443 and TCP port 80) must be open to initiate an SSL tunnel.

Upgrade the PCS Application

A single installation file labeled `Pcs_2.5.xxx.xxxx.exe` is used to upgrade PCS. If the target computer does not have Microsoft .NET Framework v4.6.2 installed, it will be installed automatically. An active Internet connection is required to complete the installation of .NET Framework.

1. Navigate to and open the **`Pcs_2.5.xxx.xxxx.exe`** installation file.

2. Click **Install** in the PCS window to open *Setup Wizard*.

3. Click **Next** to read the *End-User License Agreement*. To accept the license agreement, click the check box **I accept the terms in the License Agreement** to place a check mark inside the check box. Click **Next** to display *Custom Setup*.

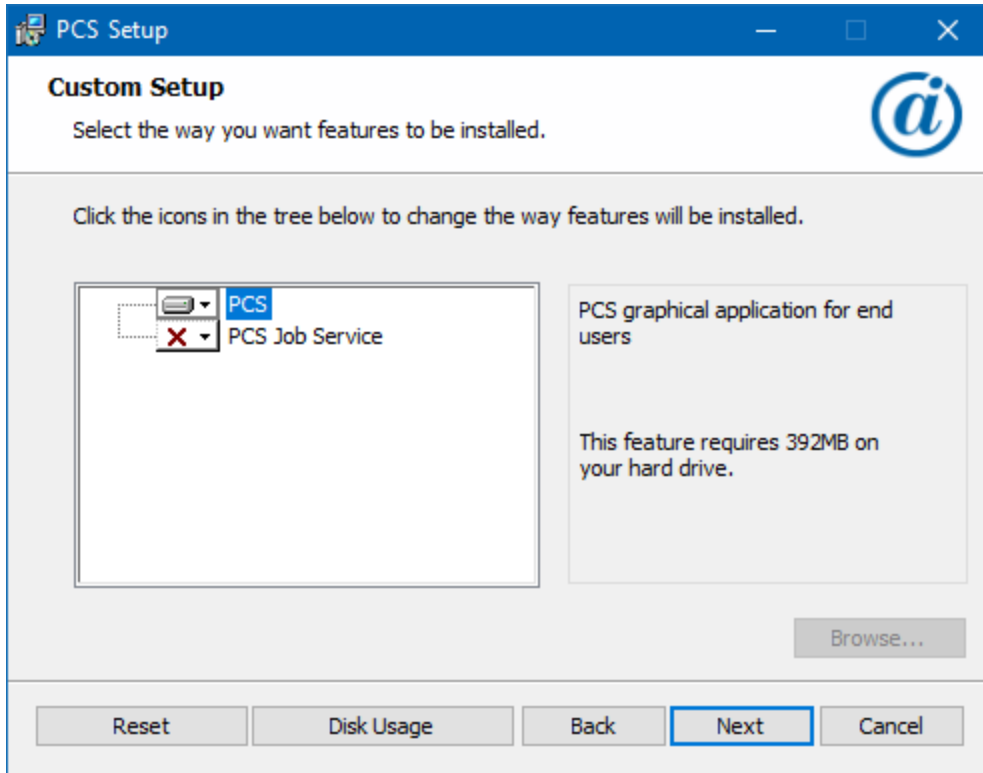4. By default only the PCS application is selected for installation.

Figure 1-2. Custom Setup

5. Click **Next** and then click **Install** to begin the installation.

When the installation completes and after a short delay, *Connection Manager* opens automatically.
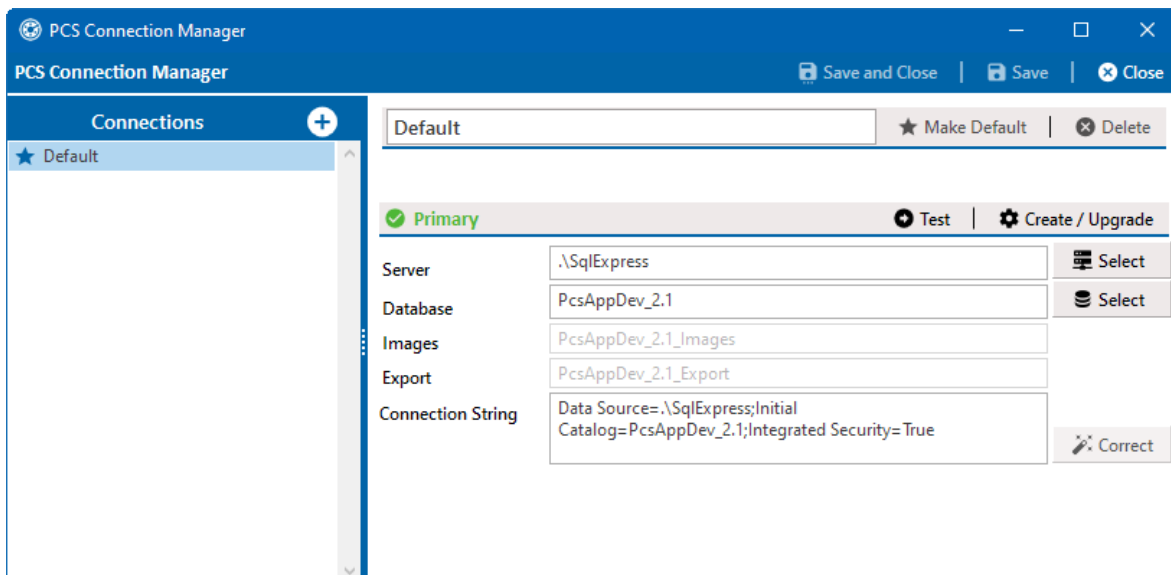

Figure 1-3. Connection Manager

> **NOTE:** When *Connection Manager* opens, it may open on top of the *Setup Wizard*. If this occurs, move the *Connection Manager* window until you see the *Setup Wizard* again.

6. Click **Finish** in *Setup Wizard*, and then click **Close** in the PCS window to close the PCS installation file.

Connect to the PCS Database

Complete the following steps in *Primary* database section of *Connection Manager* to establish a connection to the PCS database on the central database server:

1. Type the name of the central database server and, if necessary, the SQL instance in the **Server** field. Or click **Select** next to the Server field to select the server in the *Select Server* window.

2. Type the name of the PCS database in the **Database** field. Or click **Select** next to the Database field to select the database in the *Select Database* window. For best results, the PCS database should not have periods or other special characters in the database name.

   The databases for images and for exports must follow a strict naming standard that is based on the PCS database name. Once a value is entered in the Database field, the Images and Export fields automatically populate with the corresponding name of the images and exports databases.

3. Click ⚙ **Test** to verify the connection to the server and database. The connection is tested for each database listed. If the connection is successful, a green circle appears next to the database's field. If the connection is unsuccessful, the circle appears as red.

   Review and accept any messages that appear by clicking **OK**.

4. Click 💾 **Save and Close** to exit *Connection Manager*.

Activate PCS for the Current Login

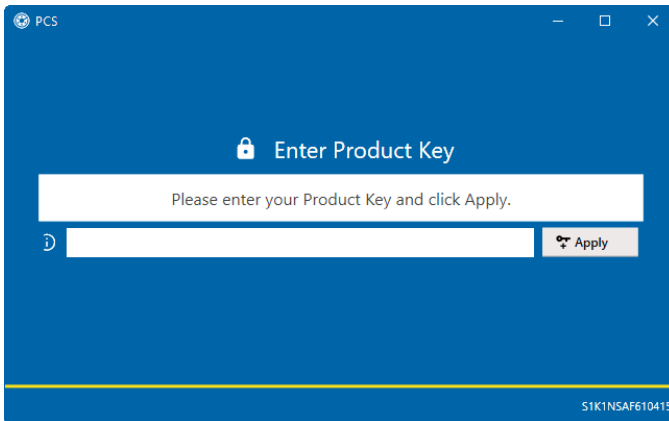The PCS application must be activated for each user. The first time a user opens PCS, a product key is requested.

Figure 1-4. Enter Product Key

On each PCS user's computer, open PCS and enter the product key in the field provided, then click **Apply**.
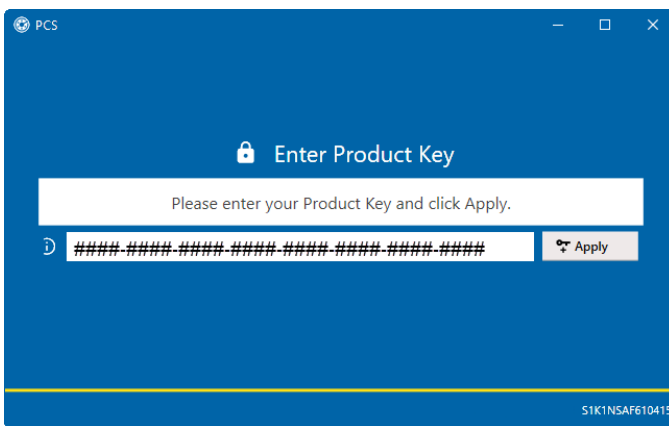

Figure 1-5. Product Key Entered for Each User

Technical Support

AI Support is available to provide assistance with PCS. Use the following information to contact AI Support:

Telephone: 1-800-229-3404

Email: support@aiworldwide.com