

Getting Started

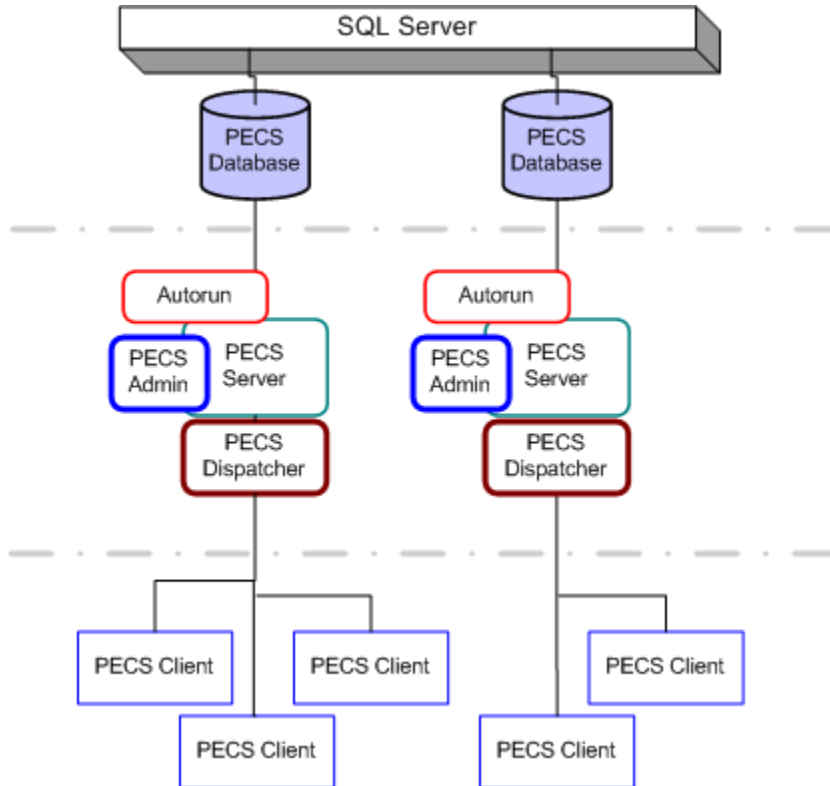
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PECS System Overview

The architecture of the PECS 2 system provides flexibility and versatility--it can be run on a single computer or be distributed among many computers in a local or wide area network. The design of PECS follows the three-tier model of the client-server software architecture. The user interface program is run from client computers to access a database management system which is served by a middle layer of PECS server components running on one or more server computers.

The following diagram illustrates how the PECS Client program uses the PECS Server components to access two PECS databases. All of these components could be installed on a single computer, or they can be distributed among different computers, but the interaction of the programs is the same.



The PECS Server components are in the middle tier, managing communication between the PECS Client and the PECS Database. SQL Server provides the foundation for managing the databases. The PECS Server components include:

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- **PECS Autorun** monitors the database for reports and imports that are scheduled to run automatically. The PECS Autorun program is configured and enabled or disabled for each database.
- **PECS Server** communicates with PECS Dispatcher and SQL Server to respond to requests from the PECS Administrator program and PECS Client computers. The PECS Server program automatically starts when you start a PECS database from the PECS Administrator program.
- **PECS Dispatcher** passes requests from PECS Client computers to the appropriate PECS Server. The PECS Dispatcher program automatically starts when you start a PECS database from the PECS Administrator program (network installations only).
- **PECS Admin** provides a graphical user interface for managing PECS databases.

This modularity of the components provides flexibility in how PECS 2 is deployed, allowing it to support the most simple needs to very complex installations. A small clinic might run PECS 2 with all components installed on a single computer, whereas a large regional clinic might deploy PECS 2 on several servers and have PECS Client computers that connect from remote locations. This flexibility allows PECS 2 to support an unlimited number of clinics, providers, and patient records. See “Planning the PECS Deployment” for more information about the various options for installing and configuring PECS 2.

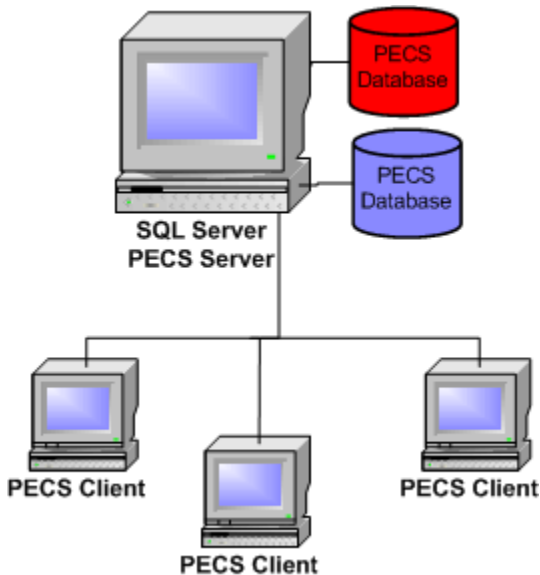
Planning the PECS Deployment

PECS 2 allows for installing all the components on a single computer, or distributing the components among server and client computers. The simplest installation--installing all components on a stand-alone computer--requires little planning. The stand-alone installation is appropriate for a clinic that has only one computer and will not connect to any other computer that is running PECS. You can run one database at a time in the stand-alone mode. If this installation is appropriate for your clinic, proceed to “Collecting the Necessary Information.”

If you need access to the PECS system from more than one computer, you must use the network installation mode to install PECS. With the network installation there are several options for distributing the PECS components among computers in a network. You can run PECS in a typical client-server configuration, or you can further distribute the processing among several server computers. These options are further described in the following sections.

Client-Server Configuration

For the simple client-server configuration, one server computer runs both SQL Server and the PECS Server components. The PECS Server, Dispatcher, and Autorun programs start when you start each PECS database from the PECS Administrator. The PECS Client computers connect to the server to log in and use PECS.



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This configuration may be appropriate for clinics that have more than one user needing access to PECS at same time, but have only one PECS databases with a moderate number of patient records. The capacity of the system--such as the total number of PECS users, databases, and patient records you can have--and the performance of the system depend on many factors. If your SQL Server is used for purposes other than managing PECS databases, you may need to run it on a dedicated server computer, as discussed in the next section.

Services and Logging Out

PECS 2 server components must remain running for PECS 2 to function. When installing PECS 2 server components and starting a PECS 2 database server, by default the server applications (PECS Server, PECS Dispatcher and PECS Autorun) will run as a desktop applications, with icons for each of the running server applications in the system tray. If the computer is logged out (which is typical to maintain proper security), all desktop applications will stop running, including the PECS 2 server applications. To prevent the PECS server applications from stopping when logging out, these components should be configured to run as Windows Services. PECS Administrator supports Services, but only after a manual change to the server.ini file. Follow these steps to enable Services:

- If any PECS database servers are running, stop them.
- Exit PECS Administrator Control
- Locate and edit the server.ini file using a standard text editor (like NotePad)
- Locate a section called [User], and within this section, locate a tag called UseServices. By default, this tag will be UseServices=0. Modify this tag (or add it if missing) to be UseServices=1.
- Save and close server.ini

At this point, PECS 2 has been configured to support Services. Restart PECS Administrator, and follow these steps to enable and configure services for a PECS 2 database server:

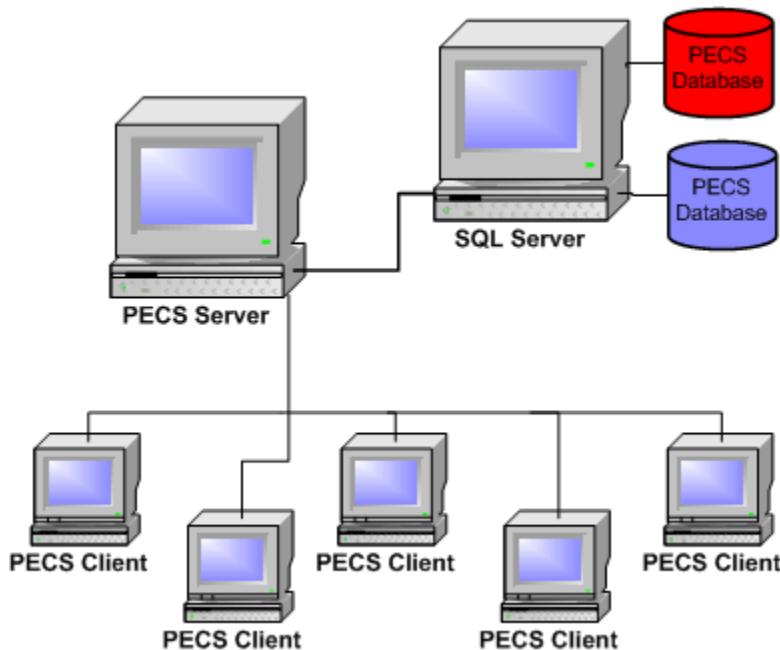
- Select a PECS 2 database server from the list that you wish to configure to run as a Windows Service
- Select the button
- Check the “Run As Service” checkbox to have this PECS database server start as a service

- Optionally check the “Automatically start when system boots” to have this PECS database server automatically start when the computer is rebooted (only those PECS database servers that need to remain running should be configured to automatically start)
- When proceeding to the IP and Port configuration page, new checkboxes for running the components on remote computers are now visible. Leave these checkboxes unchecked for all components to run on this computer. Configuration of these checkboxes, and running different components on different computers, is discussed under “Distributed Components Configuration.”

After clicking **Finish**, the configured PECS database server will now run as a Windows Service.

Distributed Server Configuration

Clinics that use SQL Server for other purposes or that run several PECS databases may need to run SQL Server and the databases on a server separate from the server that runs the PECS Server components. In this configuration the PECS Client computers connect and log in to the PECS Server, and the PECS Server communicates with the SQL Server computer to satisfy the data requests.

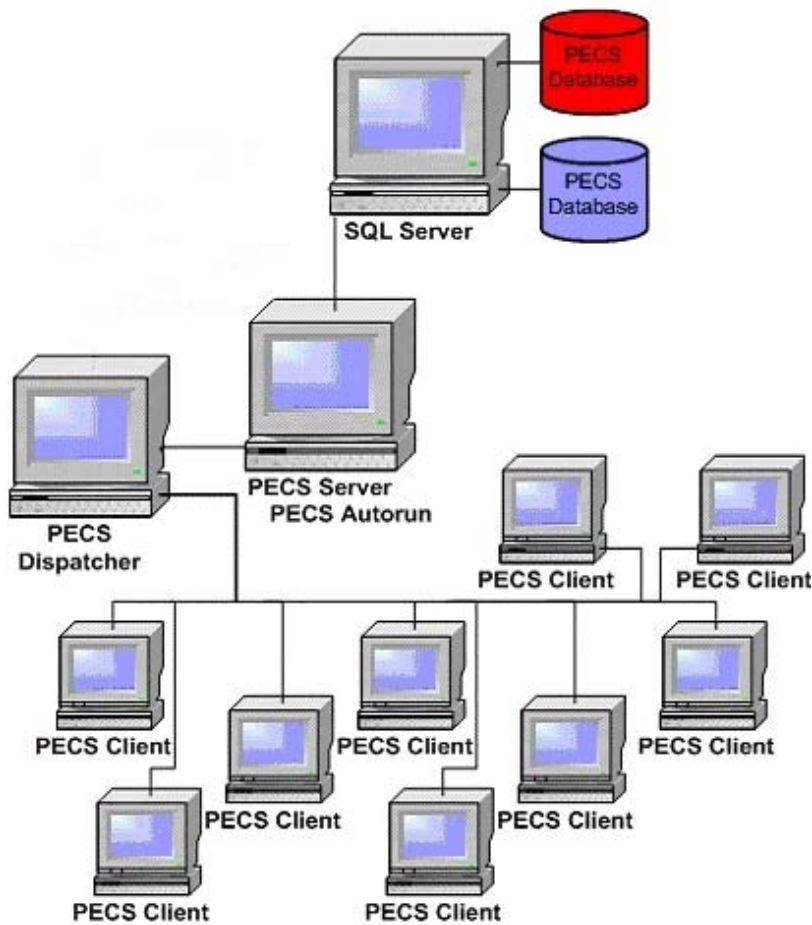


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This configuration may be appropriate for clinics that have many users accessing PECS at one time, and that have a large patient population or several databases that need to run simultaneously.

Distributed Components Configuration

For very large, complex installations you can further distribute the PECS Server components among several servers to help balance the network load and provide better performance, or to span across different local or wide area networks where some components need to be on the external side of the firewall and some components and the data must be on the protected side of the firewall.



Installing different PECS 2 components on different computers requires Windows Services be enabled, as it is strongly recommended that the distributed components run as Services. Once Services has been enabled, use the following steps to prepare to distribute PECS server components to different computers:

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- Identify which computer is the main PECS server computer.
- On the main PECS server computer, edit the PECS database server you wish to create as a distributed PECS 2 installation by clicking the **Edit** button.
- Enable Run As Service, and check the box to automatically start the service when the system reboots, then click **Next**
- On the IP and Port Configuration page, check the box next to the component called “Installed on remote computer” that will be located on a remote computer, and not on the main PECS server computer, and click **Finish**. Make sure that all components have IP addresses that are fixed and visible to all other components.

At this point, only those components that were not checked to be installed on a remote computer will start on the main PECS server. Remote server components now should be installed and configured on the remote computers, using the following steps:

- On the remote computer, do a full install of PECS 2, selecting a Network Install.
- Once installed, copy the server.ini file from the main PECS server computer to the remote computer, overwriting the default server.ini file that was installed.
- Run PECS Administrator Control on the remote computer, select the correct PECS database server, and click the **Edit** button.
- Proceed to the IP and Port Configuration Page, and uncheck **ONLY those** components that are to be run on this remote computer, and click **Finish**.

Now, when starting the PECS database server on this remote computer, only those components left unchecked will start.

For multiple remote computer installations (for example, PECS Dispatcher on a remote computer), repeat these steps on each remote computer.

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PECS Administrator FAQ's/Tips

Basic Requirements for Installing PECS

The computer on which you install PECS must meet the following requirements.

- TCP/IP (the Internet networking protocol) must be installed on any computer running the client or server applications of PECS 2 to function properly.
- Microsoft SQL Server 7 or later or Microsoft SQL Server 2000 Desktop Edition or later is required. During the installation of PECS 2, you may choose to install Microsoft SQL Server 2000 Desktop Edition, which is included with the PECS installation file.
- Monitor: 800 x 600 minimum resolution, with 256 colors (1024 x 768, with 65,536/16 bit colors recommended)
- Processor: the server should be the equivalent of at least 1 Gigahertz Pentium III, while PECS Client will function with a slightly slower processor.
- Operating System: Windows 2000 or later is recommended, but the client application may be run on Windows 98 SE or later, and the server on Windows NT 4 sp5 or later.
- Memory: the server should have a minimum of 512 Mb of memory, the client 128 Mb of memory.
- Hard disk space: the server should have 500 Mb or more, the client 10 Mb or more.
- Faster processor, multiple processors, more memory and more disk space will improve the performance of PECS 2.

Other Resources Used During Installation

- The open source (GNU General Public License) SetACL 2 program (<http://setacl.sourceforge.net/>) is used to check and set folder and program permissions. After installation is completed this program is removed.
- The NetLib Encryptionizer (<http://www.netlib.com/>) application is used to secure the PECS SQL Server database.

Additional Requirements for Network Installation

To install and use PECS 2 in a network configuration, the computer on which the PECS Server is installed must have a static (fixed) IP address.

Information Needed Before Installing

The following questions should be answered before installing PECS 2:

1. Stand-alone or network installation.
2. Is an existing database (SQL Server or MSDE) to be used with PECS 2,
 - a. Is it located on the same computer or another computer?
 - i. If another computer, what is the computer name, and what is the instance name of the database?
 - ii. You may need the IP address of the computer where the database is installed, if that computer is not within the same network sub-domain.
 - b. What will be the PECS 2 Administrator Control Password accessing the PECS Admin program?
3. Is a database from a previous version of PECS to be loaded into PECS 2?

In addition, the following questions, specific to a network installation, need to be answered:

4. What is the IP address of the computer that will contain the server application?
5. What client computers, if any, will need access to PECS 2?

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Step-By-Step Installation Instructions: Stand-alone Installation

Follow these steps to proceed with a stand-alone installation of PECS 2:

1. Run the PECS 2 installation program.
2. Read the License Agreement and click the button.
3. PECS 2 requires certain operating system components. The installation program will determine if any of these required components are missing. If necessary, you will be informed of the need for these components to be installed. Some of these components may require a reboot of the computer. The installation program will ask you for permission to perform the component installations and rebooting and then will perform these steps automatically. Once the required components are installed, the PECS 2 installation will proceed. You should not need to restart the PECS 2 installation program.
4. If the PECS 2 installation program does not detect SQL Server or MSDE on your computer, you will be prompted to choose whether you want the installation program to install Microsoft SQL Server 2000 Desktop Edition (MSDE):
 - a. If you are installing SQL Server 2000 Desktop Edition, you will be prompted to reboot your computer after MSDE has been installed. The PECS 2 installation will resume after reboot. If the installation does not continue after reboot, run the PECS 2 installation program again.
 - b. If you are using an existing installation of SQL Server 2000 Desktop Edition (Service Pack 3a or later) or SQL Server 7 or later, you will need to prepare the database security by running the DBSetup utility on the computer where the database server is (to be) located. Note that for installations where you let PECS 2 install MSDE for you on the local computer, the database security has already been performed. You do not need to use DBSetup. For instructions explaining how to run the DBSetup utility, see the section, “How to Use DBSetup” at the end of the Step-By-Step Installation Instructions: Network Installation.

If you are using a previously existing instance of MSDE or SQL Server, it is required that you devote an instance for use only by PECS 2.
5. Choose a stand-alone installation when prompted.

6. Select an appropriate installation folder (recommended to accept the default of C:\Program Files\PECS2).
7. Continue to click **Next** and **Finish** to complete the installation.
8. Reboot the computer when prompted.

Step-By-Step Installation Instructions: Network Installation

Follow these steps to proceed with a network installation of PECS 2:

1. Run the PECS 2 installation program.
2. Read the License Agreement and click the **Accept** button.
3. PECS 2 requires certain operating system components. The installation program will determine if any of these required components are missing. If necessary, you will be informed of the need for these components to be installed. Some of these components may require a reboot of the computer. The installation program will ask you for permission to perform the component installations and rebooting and then will perform these steps automatically. Once the required components are installed, the PECS 2 installation will proceed. You should not need to restart the PECS 2 installation program.
4. If the PECS 2 installation program does not detect SQL Server or MSDE on your computer, you will be prompted to choose whether you want the installation program to install Microsoft SQL Server 2000 Desktop Edition (MSDE):
 - a. If you are installing SQL Server 2000 Desktop Edition, you will be prompted to reboot your computer after MSDE has been installed. The PECS 2 installation will resume after reboot. If the installation does not continue after reboot, run the PECS 2 installation program again.
 - b. If you are using an existing installation of SQL Server 2000 Desktop Edition (Service Pack 3a or later) or SQL Server 7 or later, you will need to prepare the database security by running the DBSetup utility on the computer where the database server is (to be) located. Note that for installations where you let PECS 2 install MSDE for you on the local computer, the database security has already been performed. You do not need to use DBSetup. For instructions explaining how to run the DBSetup utility, see the section, "How to Use

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DBSetup” at the end of the Step-By-Step Installation Instructions: Network Installation.

If you are using a previously existing instance of MSDE or SQL Server, it is required that you devote an instance for use only by PECS 2.

5. Choose a network installation when prompted.
6. Select an appropriate installation folder (recommended to accept the default of C:\Program Files\PECS2).
7. Continue to click **Next** and **Finish** to complete the installation.
8. Reboot the computer when prompted.

How to Use DBSetup

DBSetup is a utility that prepares an MSDE or SQL Server instance to run with PECS 2. Note that the database server instance must be devoted to PECS 2, since other applications will not be able to access the database server, once DBSetup has been run.

If you had the PECS 2 installation file install an MSDE instance for you, as part of the PECS 2 installation, you should not need to use the DBSetup utility.

Same computer: To prepare an MSDE or SQL Server instance that exists on the same computer as the PECS 2, you will find the DBSetup utility in the following folder:

C:\Program Files\PECS2\Utils\DBSetup
(assuming the default folders were selected during installation)

Run the DBSetup utility and point to the database server instance that you want to use with PECS 2. If an “sa” password is required, you must enter the password in the appropriate place. Click on **Enable**. Once the DBSetup utility indicates that the database server is “Enabled” and “Running”, you are ready to start PECS 2. Close the DBSetup utility and proceed with PECS 2.

Remote computer: If you are using a database server instance that is located on another computer, you will need to install DBSetup on that computer. You will find the DBSetup installation file in this folder:

C:\Program Files\PECS2\Utils\DBSetup\Install
(assuming the default folders were selected during installation).

After installing DBSetup on the remote computer, run the DBSetup utility and point to the database server instance that you want to use with PECS 2. If an “sa” password is

required, you must enter the password in the appropriate place. Click on **Enable**. Once the DBSetup utility indicates that the database server is “Enabled” and “Running”, you are ready to start PECS 2. Close the DBSetup utility and proceed with PECS 2.

Step-By-Step Configuration Instructions: Stand-alone or Network Installation

Once PECS 2 has been installed as a stand-alone or network installation, the application must now be configured. Follow these steps to correctly configure the PECS 2 installation:

1. Locate the PECS Admin icon on the desktop and double click (or from the Windows menu system and single click).
2. Enter in a PECS 2 Administrator Control Password, and re-enter to confirm, then click **OK**.
3. If you want to create an empty, new PECS 2 database, click **Add New Database** and proceed with the steps in “Adding a New Database.”
If you want to create a new PECS 2 database using an existing database from a previous version of PECS, click **Add Existing Database** and proceed with the steps in “Adding an Existing Database.”

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Adding a New Database

1. Locate your database server installation in the Database Server Installations list box. If you installed SQL Server 2000 Desktop Edition on your local computer, it should be already selected. The format of the items in the list is *computer name \ database instance*. The default instance name installed by PECS is PECSSQL.

If you are trying to connect to a database server installation on another computer that is not showing up in the Database Server Installations list, you can first try to refresh the list using the circular blue arrow next to the list box. If that does not work, or the database server installation is located on a computer that is not within the same network sub-domain, you may use an alternate method of identifying the server, which is *IP address \ database instance*.

2. Type a name for the new PECS 2 database (e.g. MyClinic).
3. For remote database server installation only, select the location of the folder where the databases are to be stored, an appropriate log folder, and an appropriate backup folder, on the remote computer. You may use the browse dialog in locating these folders by clicking on the folder icon to the right of each of the text boxes. These folders must exist on the remote computer.
4. Enter in the UDS Number, Health Center Name, and Keycode information (note that the PECS 2 keycode is different from the keycode for previous versions).
5. Enter in an initial administrator name and password (re-entered) for this PECS 2 database.
6. Click on the Autorun checkboxes to enable PECS 2 Autorun features.
7. Network Only: Select appropriate IP address and port numbers for PECS 2 components (unless you are familiar with IP addresses and ports, you should accept the defaults).
8. Click the **Finish** button, and PECS 2 will create the database.
9. Once the database creation process has completed, perform an initial backup of the database by clicking the **Backup** button (after highlighting the database in the list).
10. After the Backup process has completed, select the database you just created from the list, and click on the **Start** button.

11. Once the server has started, you may do one of two things: 1) you may begin to use PECS 2 using the PECS 2 Client or 2) you may perform imports, exports, or audit functions using the PECS 2 Administrator Control panel.

Adding an Existing Database

1. Locate your database server installation from the Database Server Installations list box. If you installed SQL Server 2000 Desktop Edition on your local computer, it should be already selected. The format of the items in the list is *computer name \ database instance*. The default instance name installed by PECS is PECSSQL.

If you are trying to connect to a database server installation on another computer that is not showing up in the Database Server Installations list, you can first try to refresh the list using the circular blue arrow next to the list box. If that does not work, or the database server installation is located on a computer that is not within the same network sub-domain, you may use an alternate method of identifying the server, which is *IP address \ database instance*.

2. Type in a name for the new PECS 2 database (e.g. MyClinic).
3. Locate the Access database data and server files from the previous version of PECS.
4. For remote database server installation only, select the location of the folder where the databases are stored, an appropriate log folder, and an appropriate backup folder, on the remote computer. You may use the browse dialog in locating these folders by clicking on the folder icon to the right of each of the text boxes. These folders must exist on the remote computer.
5. Enter in the UDS Number, Health Center Name, and Keycode information (note that the PECS 2 keycode is different from the keycode of previous versions).
6. Click on the Autorun checkboxes to enable PECS 2 Autorun features.
7. Network Only: Select appropriate IP address and port numbers for PECS 2 components (unless you are familiar with IP addresses and ports, you should accept the defaults).
8. Click the **Finish** button, and PECS 2 will proceed to create the database.

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9. Once the database creation process has completed, perform an initial backup of the database by clicking the **Backup** button (after highlighting the database in the list).
10. Once the Backup process has completed, select the database you just created from the list, and click on the **Start** button.
11. Once the server has started, you may do one of two things: 1) you may begin to use PECS 2 using the PECS 2 Client or 2) you may perform imports, exports, or audit functions using the PECS 2 Administrator Control panel.

Installing the PECS 2 Client

With a network installation, other computers may access PECS 2 via client application software. You should perform this installation after you have setup the PECS 2 databases using the steps above. Also, please refer to the section about synchronizing the client whenever a database configuration is edited, added, or removed.

Follow these steps to install the client software on a computer:

1. Locate a folder under the PECS 2 installation location called Client_Install (by default, this folder is located at C:\Program Files\PECS2\Client_Install)
2. Within this folder, you should see a client installation file, and another file called client.ini. The client.ini folder contains the current database configuration information, and is needed by the client to allow the client to know how to connect to the PECS 2 database server.
3. To install the client software, you may do any of the following:
 - Map the Client_Install folder from the client computer, and then simply run the client installation software from the client computer.
 - Copy the client installation program and client.ini files to the client computer, and run the client installation directly from the client computer
 - Create an installation media (e.g. CD) containing the client installation file and client.ini file, and run the installation file directly from this install media on the client computer.
4. Once running the client installation, agree to the license agreement, select an installation folder (default is C:\Program Files\PECS2), and then click Next and Finish completing the installation.
5. PECS 2 Client requires certain operating system components. The installation program will determine if any of these required components are missing. If

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necessary, you will be informed of the need for these components to be installed. Some of these components may require a reboot of the computer. The installation program will ask you for permission to perform the component installations and rebooting and then will perform these steps automatically. Once the required components are installed, the PECS 2 Client installation will proceed. You should not need to restart the PECS 2 Client installation program.

6. Reboot when the installation is completed.
7. Once rebooted, launch the PECS 2 Client (via icon on desktop, or from the Windows menu system).
8. Click the Login button.
9. Enter in your login and password.
10. For Network installs, you will need to select the database from the drop-down list.

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PECS 2 Administrator Database List Status Columns

The PECS 2 Administrator indicates the current status of any configured PECS server and Autorun. The possible statuses and their meanings are described below:

Status	Meaning
Stopped	The indicated PECS 2 database server is not running and therefore not available.
Checking	The current status is being determined.
Starting	The indicated PECS 2 database server is starting. Please note that the status might change to Running, but while starting, the server is not actually finished starting until the server startup splash screen has disappeared.
Running	The indicated PECS 2 database server is currently running and available for access.
Invalid	Something is wrong with the indicated PECS 2 database server, such as missing database files, invalid database login and/or password information, not available (network related issues), wrong or unsupported database versions, etc. (Use Refresh to verify the status.)
Disabled	Mainly used with Autorun, to indicate that Autorun has not been configured to run with the indicated PECS 2 database server.

Creating A Second Administrator Password

From the PECS 2 Administrator, you may select the Admin Password button to reset the administrator password and/or to create a second valid administrator password. Creating a second Administrator password is strongly recommended.

Can I Close Administrator While A PECS 2 Database Is Running

The PECS 2 Administrator does not need to be running when a PECS 2 database is running. You should always use the Administrator to start and stop any PECS 2 databases.

Synchronizing the Client When Databases Are Added, Modified, Or Removed

During a network installation of PECS 2, a file named client.ini is placed in the Client_Install folder, along with the client installation program. Should changes be made to any of the PECS 2 databases (using PECS Administrator to add, edit, or remove a database), the client.ini file is changed to reflect the new information. It will be necessary to distribute the updated client.ini files to each client computer, in order for them to properly access the database(s). To update the client computers, simply copy the client.ini file to each client computer. A reinstall of the client computers is not needed (and should not be performed). The client application will have to be logged out for the new client.ini settings to be recognized.

Do Not Install the PECS 2 Client on the Computer Where the PECS 2 Server Is Installed.

The client software is installed on the PECS 2 server during the network installation and should not be installed from the Client_Install folder. The Client_Install folder and installation files are only to be used when installing the client application on separate client computers.

Removing PECS 2 Databases

PECS 2 databases may be removed completely, or just removed from the Administrator, using the Remove button. When clicking the Remove button, the prompts will indicate which buttons should be clicked to either completely remove the database, or to only remove the database from the Administrator, leaving the database still available to be added back using Add Existing database.

NOTE: Installing PECS 2 in a Citrix environment presents some unique technical challenges. See the document titled “PECS 2 Installation with Citrix.pdf”

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Backing Up PECS 2 Databases

The Backup button is used to backup a PECS 2 database. The PECS 2 database server you wish to backup cannot be running during a backup. We strongly recommend backing up frequently, and before any major change to the PECS 2 database, such as running an import. You should make copies of your backup files on some kind of backup media, or on another computer.

Restoring PECS 2 Databases

Should a problem occur, such as corrupted files, or hard disk crash, you may restore from a backup by choosing the Restore button. The PECS 2 database server you wish to restore cannot be running when restoring.

Starting More Than One PECS 2 Database Server

A network installation supports starting more than one PECS 2 database server at a time. Client computers may connect to any running PECS 2 database server. Stand-alone installations only support running one PECS 2 database server at a time, although more than one PECS 2 database server may be added in Administrator.

Starting Autorun

The Autorun feature of PECS 2 may be started and stopped with the Autorun and Stop Autorun buttons. These buttons are only available if the selected PECS 2 database server is running, and has been configured to support running Autorun. If a PECS 2 database server has not been configured to run Autorun, you may edit the PECS 2 database server using the Edit button, and enable Autorun.

Editing A PECS 2 Database

Certain settings may be edited for a PECS 2 database server using the Edit button, but the database cannot be running. The database name may not be changed once it has been created.

Logging Into A PECS 2 Database Via Administrator

A number of system administrator functions are available only from the PECS 2 Administrator. You can access these functions by logging into a running PECS 2 database

server using the Login button. Once logged into a specific database server, you may perform imports, exports, or run auditing reports.

User Files Folder

All user data, other than the database files, database log files and database backups, are located under a folder called User Files (by default located in C:\Program Files\PECS2\User Files). Under this folder, separate folders are created for each PECS 2 database server that is added in the PECS 2 Administrator. For example, if you created a PECS 2 database called “MyClinic”, a folder would exist under User Files called MyClinic (by default, C:\Program Files\PECS2\User Files\MyClinic).

The folders located under each database name are listed below, along with their purpose:

Subdirectories for each Database	Used for Storing
Logs	Location of any log files. Application error logs will be located within the Exe folder.
Exports	By default, any export of data will be placed in this folder.
Custom Reminders	User-created reminders
Custom Reports	User-created reports
Reminders Output	Reminders output
Reports Output	Reports output
Auto Import Pending	Folder used to hold ASCII import files that may be automatically imported using Autorun (if so configured)
Auto Import Failed	Folder used to hold ASCII import files that failed to import
Auto Import Completed	Folder used to hold ASCII import files that were successfully imported.

Getting Started with PECS 2

Collecting the Necessary Information

The information that you need to gather prior to installing PECS 2 depends on how you plan to deploy the software. After you review the configurations described in the previous sections and determine which best suits your needs, complete the following worksheet so you will have the necessary information when you install and configure PECS.

All Users

Everyone who sets up PECS 2 must provide the unique product registration information that is included in a letter with PECS. The product registration information is required each time you add a new or existing database.

UDS# _____

Health Center Name _____

Product Key _____

PECS Administrator Password _____

Prior PECS Users

If you have been using a prior version of PECS (before 2) you can convert the existing databases for use with PECS 2.

Location of the existing pecs_data.mdb and pecs_server.mdb files:

Previous Administrator User ID _____

Previous Administrator Password _____

PECS Network Installation

If you plan to install PECS 2 in a local or wide area network of computers, identify which server computer will run which components. As described in the prior sections, one server may host several of the components or they can be distributed among several server computers.

Component	Computer Name	IP Address	Communication Port to Use
SQL Server			
PECS Dispatcher			
PECS Server		127.0.0.1 (non-distributed)	
PECS Autorun		127.0.0.1 (non-distributed)	

Note: By default, PECS Server is configured to be 127.0.0.1, and should be left at this default value for security reasons, unless you are configuring a distributed installation. If PECS Autorun is not configured to run on a remote computer, it should also be configured to run on 127.0.0.1. For network installs, PECS Dispatcher MUST have an IP that is visible to other computers, or PECS clients will not be able to interact with the PECS Server.