



Getting Started  
with Control Center  
Control Center Release 2

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The FileTek logo consists of the word "FileTek" in white, bold, sans-serif font, centered within a solid teal square.

FileTek

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Control Center



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C o n t r o l   C e n t e r



# Welcome

Welcome to Control Center (CC), FileTek's Windows®-based network computing system for providing administrative control of the StorHouse family of products.

Use this guide to install and configure the basic Control Center software and each of the Control Center modules.

## Audience

This guide is intended for technical personnel responsible for installing and maintaining Control Center systems. It assumes you understand Microsoft Windows concepts and are familiar with TCP/IP networks and networking concepts, such as domain name servers and IP ports.



## What's inside

This guide is organized as follows:

- Chapter 1, “Introducing Control Center,” describes Control Center, including the Server and each Control Center module.
- Chapter 2, “Installing the Control Center Environment,” guides you through the installation and configuration of the Control Center Server and accompanying Server administration software (CCAdmin).
- Chapter 3, “StorHouse/Admin,” explains how to install and configure the StorHouse/Admin module.
- Chapter 4, “StorHouse/Performance Monitor,” explains how to install and configure the StorHouse/Performance Monitor module.

## What you need

You should have an installation CD containing the following software — Control Center Server and special open database connectivity (ODBC) driver, CCAdmin, StorHouse/Admin, StorHouse/Performance Monitor, and online documentation.

## Getting online help

The integrated online help system provides the information to help you use Control Center. While this book is designed to explain the basics to get you started, the online help contains step-by-step procedures as well as complete reference information about the various components of Control Center.

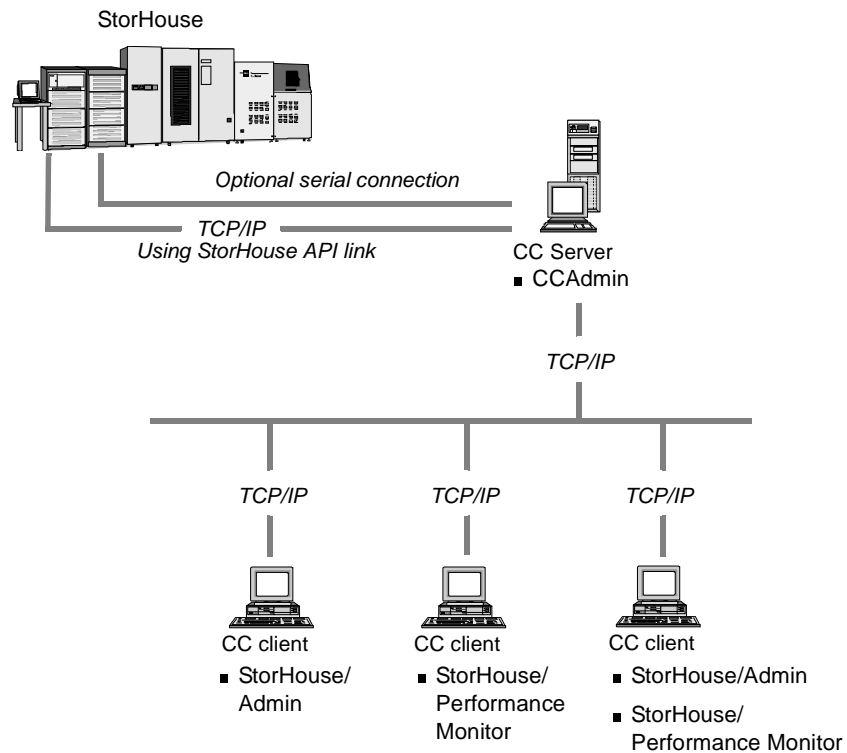


# Introducing Control Center

Control Center is FileTek's network computing system for providing administrative control of the StorHouse family of products. The system consists of one or more Control Center Servers communicating with Control Center modules over a TCP/IP network. Control Center Servers must run on Windows NT or Windows 2000 computers, while Control Center modules can run on Windows 95/98, Windows NT, or Windows 2000 computers.

The three modules — CCAdmin, StorHouse/Admin, and StorHouse/Performance Monitor (PM) — open and run within the Control Center framework, a graphical environment that provides common services to all modules. You can install all of the modules, or some combination of modules on any client computer, as indicated in the following sample configuration.





## Control Center Server

The Control Center Server is a program that allows Control Center modules to communicate with StorHouse systems. The program resides on a computer running Microsoft Windows NT or Windows 2000 and communicates with both the StorHouse system and the Control Center modules through a TCP/IP network and optional serial ports.



Control Center modules send requests to the Control Center Server, which parses the requests and forwards them to the designated StorHouse system. The Control Center Server then forwards StorHouse system responses back to the requesting Control Center modules.

The Control Center Server also regularly issues two StorHouse system commands — `SHOW DEVICE *` and `MONITOR /ALL` — at intervals you set using `CCAdmin`. These commands provide the device status and performance information necessary for client modules, such as `StorHouse/Admin`.

To enable the Control Center Server to talk to `StorHouse/RM`, you must also install and configure a special open database connectivity (ODBC) driver, which is included on the Control Center installation CD.

## Control Center framework

The Control Center framework is the graphical environment in which all your Control Center modules run. The Control Center modules work through this framework to communicate with Control Center Servers and StorHouse systems.

The framework provides centralized common services to the application modules and runs at workstations under Windows 95/98, Windows NT, or Windows 2000. When you install any Control Center module, the installation program also installs the framework. If the framework is already on the computer, the installation program allows you to replace it if it's an older version or leave it in place if it's current.



## CCAdmin

CCAdmin is a Control Center module that provides graphical tools to help you monitor and manage your Control Center Servers. Like all Control Center modules, CCAdmin runs within the Control Center framework and works with one or more Control Center Servers. Typically, you install CCAdmin on the same computer where the Control Center Server resides, but you can also install CCAdmin remotely on other computers that communicate with a Control Center Server over the network.

Using CCAdmin you can:

- Make StorHouse systems available to a Control Center Server (add StorHouse systems)
- Remove or reconfigure a Control Center Server's available StorHouse systems
- Establish or terminate connections between Control Center Servers and specific StorHouse systems
- Establish serial connections between Control Center Servers and StorHouse systems
- Configure label printers to print labels for blank volumes
- Collect diagnostic information, data about the client workstation, performance statistics, and activity information about Control Center Servers



## StorHouse/Admin

StorHouse/Admin provides the administration and operation tools for StorHouse. Using visual elements such as pull-down menus, option lists, point-and-click controls, and intelligent prompting, StorHouse/Admin simplifies the tasks of storage management, database management, security administration, and system operation.

StorHouse security privileges extend into the StorHouse/Admin interface, hiding or revealing features as allowed by user security profiles. Comprehensive general and context-sensitive help information is available to users. In addition, StorHouse/Admin makes it easy to schedule system activities and respond to operator request messages.

StorHouse/Admin also provides real-time monitoring of functions such as StorHouse server CPU usage, mounted volumes, device status, and request activity. The StorHouse administrator can get an immediate picture of StorHouse status and identify potential performance or resource shortcomings.

## StorHouse/Performance Monitor

StorHouse/Performance Monitor is a powerful graphical tool for monitoring and analyzing the performance of your StorHouse system from your Windows 95/98, Windows NT or Windows 2000 computer. You can monitor up to 24 performance measures and create reports that display historical information about each performance measure in a variety of ways.

You can also use StorHouse/Performance Monitor to display more extensive real-time system activity information.

## C H A P T E R    2



# Installing the Control Center Environment

The following procedures help you to install a typical Control Center Server environment. When you're finished, you'll be able to run the Control Center Server and configure, manage, and monitor the Server with CCAdmin. After you complete these procedures, you should proceed to Chapters 3 and 4 to configure and install the StorHouse/Admin and StorHouse/Performance Monitor modules, respectively.

- ▼ To install the Control Center environment, perform the following procedures in this order
  1. Install and configure the special ODBC driver.
  2. Install the Control Center Server.
  3. Install the Control Center framework and CCAdmin.
  4. Configure the Control Center Server with CCAdmin.



## Installing and configuring the ODBC driver

To allow the Control Center Server to communicate with StorHouse/RM, you must install and configure the special ODBC driver on the computer where you installed the Control Center Server. You should do this before you install the Control Center Server.

### Installing the ODBC driver

The ODBC driver has its own installation program on the Control Center installation CD.

- ▼ To install the ODBC driver
  1. Close all open programs on the Windows computer where you installed the Server.
  2. Insert the Control Center installation CD into the CD-ROM drive of the computer. The Control Center setup program starts automatically.
  3. On the Welcome to Control Center setup menu, click Browse this CD.
  4. From the list of directories and files that appears, double-click the MerantODBCClient directory.
  5. Double-click setup.EXE.
  6. In the SequeLink ODBC Edition Client dialog box, click Next.
  7. In the next dialog box, click Default.



8. In the next dialog box, accept the default destination directory and click Next.
9. In the next dialog box, accept the default program folder and click Next.
10. In the next dialog box, accept the current settings and click Next. The setup program installs the driver.
11. In the next dialog box, click Finish.
12. Close the Merant ODBC Client folder and proceed to the next procedure, "Configuring the ODBC driver."
13. Close all remaining folders.

## Configuring the ODBC driver

You must configure the ODBC driver to enable the Control Center Server to communicate with StorHouse/RM.

- ▼ To configure the ODBC driver
  1. On the Windows taskbar, click Start, point to Settings and click Control Panel.
  2. On the Control Panel window, double-click ODBC Data Sources.
  3. In the ODBC Data Source Administrator dialog box, click the System DSN tab.
  4. Click Add.
  5. In Create New Data Source dialog box list, click INTERSOLV 3.10 32-BIT SequeLink.



6. Click Finish.
7. In the ODBC SequeLink Driver Setup dialog box in the **Data Source Name** box, type the Domain Name Server (DNS) name of the StorHouse system to which your Control Center Server is connected. (Leave the other two boxes blank.)
8. Click CAT....
9. In the Add SequeLink Data Source dialog box, edit the entries as follows:
  - In the **Name** box at the top, type a description of the data source. (Do not leave this box blank and do not include blank spaces.)
  - In the **Description** box, delete any text. (Leave this box blank.)
  - In the **Transliteration** box, delete any text. (Leave this box blank.)
  - In the **Service [RDBMS]** area in the **Type** list, click StorHouse.
  - In the **Name** box, delete SLStorHouse and type 4012.
  - In the **Database** box, delete <DataBase>. (Leave this box blank.)
  - In the **User Name** box, delete <UID>. (Leave this box blank.)
  - In the **Password** box, delete any text. (Leave this box blank.)
  - In the **Settings** box, make sure StorHouse displays.
  - Make sure the **Prompt for password** check box is not selected.
  - In the **Host (server/router)** area in the **Type** list, click UNIX.





- In the **User name** box, type *user* or any other text string. (Do not leave this box blank.)
- In the **Password** box, type *password* or any other text string. (Do not leave this box blank.)
- Make sure the **Prompt for password** check box is not selected.
- In the Network area in the **Type** list, click TCP/IP.
- In the **Host** box, type the Domain Name Server (DNS) name of the StorHouse system to which your Control Center Server is connected. This is the same DNS name you entered in Step 8.

10. Click Add.

11. In the ODBC SequeLink Driver Setup dialog box, click the Advanced tab.

12. In the **UID/PWD Mapping** list, click DBMS.

13. Click OK.

14. In the ODBC Data Source Administrator dialog box, click OK.

15. Close the Control Panel and proceed to the next procedure, "Installing the Control Center Server."



## Installing the Control Center Server

After you install the ODBC driver, you are ready to install the Control Center Server. Once the Server is running on a Windows NT or Windows 2000 computer on a network that supports TCP/IP, your Control Center modules can begin communicating with StorHouse systems through the Control Center Server.

The Control Center Server runs as a Windows service, and does not have an interface of its own. The Server runs as long as the computer where it is installed is running.

- ▼ To install the Control Center Server
  1. Close all open programs on the Windows computer where you are installing the Server.
  2. Insert the Control Center installation CD into the CD-ROM drive of the computer. The Control Center setup program starts automatically.
  3. On the Welcome to Control Center setup menu, click CC Installation.
  4. On the CC Installation setup menu, click CC Server.
  5. In the Welcome dialog box, click Next.



6. In the Choose Destination Location dialog box, click Next. The location listed on this dialog box is where the installation program will install the Control Center Server.

**Note:** The default location is C:\Program Files\ControlCenter2\Bin. You can click Browse to install CCAAdmin elsewhere, but FileTek recommends you accept the default location.

7. In the Start Installation dialog box, click Next. The program installs the Control Center Server.
8. In the Desktop Shortcut dialog box, click Yes to create a shortcut for the Control Center Server on your desktop.
9. In the Installation Complete dialog box, click Finish.
10. Proceed to the next procedure, "Installing CCAAdmin."

## Installing CCAAdmin

After you install the Control Center Server, you should immediately install CCAAdmin, then use CCAAdmin to configure the operation of your Control Center Server. You should install CCAAdmin on the same computer that runs the Control Center Server, but you can also install copies on one or more other computers that will access the Control Center Server remotely.

When you install CCAAdmin, you also install the Control Center framework on that computer.

In addition, you can set up the Control Center framework and CCAAdmin for use on remote computers without reinstalling the software. See "Setting up remote computers to run CCAAdmin" on page 2-16.



**Note:** If you are installing CCAAdmin on a computer that already has the Control Center framework installed, you do not need to reinstall the Control Center framework. Skip to “Installing CCAAdmin without installing the Control Center framework” on page 2-9.

## Installing CCAAdmin and the Control Center framework

This procedure explains how to install CCAAdmin and the Control Center framework.

- ▼ To install CCAAdmin and the Control Center framework
  1. Close all open programs on the computer where you are installing the the Control Center framework and CCAAdmin.
  2. If necessary, insert the Control Center installation CD into the CD-ROM drive of the computer. The Control Center setup program starts automatically.
  3. On the Welcome to Control Center setup menu, click CC Installation.
  4. On the CC Installation setup menu, click CCAAdmin.
  5. In the Welcome dialog box, click Next.
  6. In the next dialog box, click Next.
  7. In the Choose Destination Location dialog box, click Next. The location listed on this dialog box is where the installation program will install the Control Center framework and CCAAdmin files.

**Note:** The default location is C:\Program Files\ControlCenter2\Bin. You can click Browse to install the Control Center framework and



CCAdmin elsewhere, but FileTek recommends you accept the default location.

8. In the Select Program Manager Group dialog box, make sure Control Center appears in the box at the top, then click Next.
9. In the Start Installation dialog box, click Next. The program installs the Control Center framework.
10. In the Desktop Shortcut dialog box, click Yes to create a shortcut for Control Center on your desktop.
11. In the Installation Complete dialog box, click Next. The program installs the CCAdmin module.
12. In the Installation Complete dialog box, click Finish.
13. On the Control Center setup menu, click Exit CC Installation.
14. On the Welcome to Control Center setup menu, click Exit Setup.
15. Proceed to “Configuring the Control Center Server with CCAdmin” on page 2-11.

## Installing CCAdmin without installing the Control Center framework

You may want to install CCAdmin on a computer where you have already installed another Control Center module (StorHouse/Performance Monitor or StoreHouse/Admin). In this case, you have also already installed the Control Center framework, and you do not need to reinstall it on that computer.



- ▼ To install CCAdmin without installing the Control Center framework
  1. Close all open programs on the computer where you are installing CCAdmin.
  2. If necessary, insert the Control Center installation CD into the CD-ROM drive of the computer. The Control Center setup program starts automatically.
  3. On the Welcome to Control Center setup menu, click CC Installation.
  4. On the CC Installation setup menu, click CCAdmin.
  5. In the Welcome dialog box, click Next.
  6. In the Reinstall CC Framework dialog box, click No, then click Next.

**Note:** If you click Yes when asked if you want to reinstall the Control Center framework, the installation procedure will proceed as described in “Installing CCAdmin and the Control Center framework” on page 2-8.
  7. In the Start Installation dialog box, click Next. The program installs CCAdmin.
  8. In the Installation Complete dialog box, click Finish.
  9. On the Control Center setup menu, click Exit CC Installation.
  10. On the Welcome to Control Center setup menu, click Exit Setup.
  11. If you need to configure a Control Center Server, proceed to the next procedure “Configuring the Control Center Server with CCAdmin.”



# Configuring the Control Center Server with CCAdmin

After you've installed both the Control Center Server and CCAdmin, you must configure the Server with CCAdmin. When you configure the Control Center Server you make a StorHouse system available to the server. The Control Center modules can then communicate with this StorHouse system through the Control Center Server.

You configure the Control Center Server in two steps:

- Configure a data source for CCAdmin. A data source consists of a specific StorHouse system attached to a specific Control Center server.
- Add a StorHouse system to CCAdmin.

## Gathering information about the StorHouse system

Before you can configure a Control Center Server to communicate with a StorHouse system, you need some information about the StorHouse system. Specifically, you need the:

- Domain Name Server (DNS) name or IP address of the StorHouse system
- StorHouse login account name and password defined for this Control Center Server on the StorHouse system. This account should have the StorHouse command and access privilege, ALLPRIVILEGE.

The StorHouse system administrator must establish the login account and password for the Control Center Server.



## Configuring a data source with CCAAdmin

You must configure a data source by using CCAAdmin's data source configuration wizard.

- ▼ To configure a data source with CCAAdmin
  1. Start the Control Center Server by double-clicking its desktop icon.
  2. In the dialog box that says there are no StorHouse systems defined, click OK.
  3. Start Control Center by double-clicking its desktop icon.
  4. On the Selection Bar on the left of the Control Center window, click the CCAAdmin shortcut icon.
  5. In the Information dialog box that tells you there's no data source configured for the shortcut, click OK.
  6. In the CC Client Configuration Wizard dialog box, click **New** next to the **CC server** box.
  7. In the Define CC Server dialog box in the **CC server name** box, type a valid DNS name for a networked computer that has the Control Center Server software installed and running. This can be the server you just installed or another server you previously installed. This tells CCAAdmin how to find the Control Center Server.
  8. Accept the default value 8020 for the **TCP/IP port** box, or, if necessary, type another valid port number.
  9. Click OK.
  10. Click Next.





11. In the next dialog box in the **Data source name** box, accept the default name or type a new name for the data source. This should be a descriptive name that will help you identify the data source. For example, you might give the data source the same name as the server.
12. Click Next.
13. In the next dialog box in the **Shortcut name** box, accept the default name or type a new name. This name will appear with the shortcut on the Selection Bar and will help you identify which Control Center Server you'll be administering.
14. Click Finish.
15. The CCAdmin icon now includes the shortcut name you assigned it. Proceed to the next section "Adding a StorHouse system to CCAdmin."

## Adding a StorHouse system to CCAdmin

The final step in the server configuration is to add a StorHouse system to CCAdmin.

- ▼ To add a StorHouse system to CCAdmin
  1. On the Selection Bar on the left of the Control Center window, click the CCAdmin shortcut icon you just configured.
  2. Click the StorHouses button under the toolbar at the top of the window.
  3. Click Add new StorHouse.



4. In the StorHouse Definition Wizard dialog box in the top text box, type name containing six or fewer characters to identify the StorHouse system. This is a name that you choose.
5. In the second text box, type the DNS name for the StorHouse system you are adding. This name identifies the StorHouse system on the TCP/IP network.
6. The value in the **IP port address** box is 1200 by default. Edit this value, if necessary.
7. If you want to connect automatically to the StorHouse system when the definition is complete, make sure the check box at the bottom is selected.
8. Click Next.
9. In the next dialog box in the **Login account ID** box, type a valid account ID for the StorHouse system you are adding. Your system administrator should have defined this account name for this Control Center Server. This is the account this server will use to log in to the StorHouse system.
10. In the **Login password** and **Confirm password** boxes, enter and confirm the password for the account ID you just entered. Your system administrator should have defined this password for this server. This is the password associated with the login account for this Control Center Server.
11. Click Next.
12. In the next dialog box, accept the default time intervals or set new intervals. The settings and defaults are as follows:
  - **Monitor:** Default is 5. This tells the Control Center Server to issue the MONITOR /ALL command every minute.



- **Show device:** Default is 1. This tells the Control Center Server to issue the SHOW DEVICE \* command every minute.
- **Reconnect:** Default is 5. This tells the Control Center Server to try to re-establish a connection every 5 minutes if a StorHouse system stops responding.

13. Click Next.

14. In the next dialog box, accept the defaults for user logging or change the settings. The settings and defaults are as follows:

- **Enable user log processing:** Default is enabled. This turns on the User Log server to collect StorHouse User Log information for the Control Center Server and to provide operator messages.
- **“Catch up” on User Log contents when server is restarted:** Default is disabled, which means the StorHouse User Log server will only begin collecting data for the User Log from the moment the server is restarted. If you enable this option, the StorHouse User Log server writes all data from the beginning of its current interval to the User Log when the server is started.
- **User Log IP Port Address:** Default is 1201. This is always 1 greater than the IP Port address, which has a default value of 1200. This setting allows the Control Center Server to communicate with the User Log server on the StorHouse system.

15. Click Next.

16. In the next dialog box, click Next.

17. In the next dialog box, if you have StorHouse/RM, accept the default maximum number of concurrent StorHouse/RM requests (10), or type a different number. This limits the number of requests StorHouse/RM processes simultaneously for Control Center.



18. Click Finish.
19. Control Center asks you to confirm an update to the remote system registry. Click OK. The new StorHouse system now appears in the list, with a colored circle symbol to its left. If you've successfully connected to the StorHouse system and to the User Log server on that system, the circle will be green and contain a plus sign.

## Setting up remote computers to run CCAdmin

After you have installed the Control Center framework and CCAdmin on one computer, you can set up remote computers to run CCAdmin without having to install the Control Center framework and CCAdmin on the remote computers.

To do this, you must first make the directory on the computer where you installed the Control Center framework and CCAdmin accessible over a network to the computer(s) where you want to enable remote access. Then, on the remote computer, map a path to that directory.

To set up a remote computer to run CCAdmin

1. On the remote computer where you want to run CCAdmin, right-click the My Computer icon on the desktop, and click Explore on the menu that appears.
2. On the Exploring - My Computer window, navigate to the shared drive and directory where the Control Center software is installed.
3. Double-click the file named InstCCAdmin2.EXE.
4. Follow the screen prompts in the setup program.



The setup program creates a desktop shortcut for Control Center on the remote computer. This shortcut points to the computer where you originally installed Control Center. To run CCAdmin on the remote computer, double-click the desktop shortcut for Control Center, then click the CCAdmin icon on the Selection Bar on the Control Center framework window.

# C H A P T E R      3



## StorHouse/Admin

This chapter explains the tasks you need to complete before using StorHouse/Admin. These tasks are:

- Installing the StorHouse/Admin software
- Configuring a data source for StorHouse/Admin
- Starting StorHouse/Admin

## Installing StorHouse/Admin

The Control Center installation CD contains the StorHouse/Admin software and Control Center framework software.

If StorHouse/Admin is the first Control Center module you are installing on a computer, the installation program automatically installs the Control Center framework.



You can set up the Control Center framework and StorHouse/Admin for use on remote computers without reinstalling the software. See “Setting up remote computers to run StorHouse/Admin” on page 3-8.

**Note:** If you are installing StorHouse/Admin on a computer that already has the Control Center framework installed, you do not need to reinstall the Control Center framework. Skip to “Installing StorHouse/Admin without installing the Control Center framework” on page 3-4.

## Installing StorHouse/Admin with the Control Center framework

The following procedure explains how to install StorHouse/Admin with the Control Center framework.

- ▼ To install StorHouse/Admin with the Control Center framework
  1. Close all open programs on the Windows computer where you are installing StorHouse/Admin.
  2. Insert the Control Center installation CD into the CD-ROM drive of the computer. The Control Center setup program starts automatically.
  3. On the Welcome to Control Center setup menu, click CC Installation.
  4. On the CC Installation setup menu, click StorHouse/Admin.
  5. In the Welcome dialog box, click Next.
  6. In the next dialog box, click Next.



7. In the Choose Destination Location dialog box, click Next. The location listed on this dialog box is where the installation program will install the Control Center framework and StorHouse/Admin files.

**Note:** The default location is C:\Program Files\ControlCenter2\Bin. You can click Browse to install the Control Center framework and StorHouse/Admin elsewhere, but FileTek recommends you accept the default location.

8. In the Select Program Manager Group dialog box, make sure Control Center appears in the box at the top, then click Next.
9. In the Start Installation dialog box, click Next. The program installs the Control Center framework.
10. In the Desktop Shortcut dialog box, click Yes to create a shortcut for Control Center on your desktop.
11. In the Installation Complete dialog box, click Next. The program installs the StorHouse/Admin module.
12. In the Installation Complete dialog box, click Finish.
13. On the Control Center setup menu, click Exit CC Installation.
14. On the Welcome to Control Center setup menu, click Exit Setup.
15. Close all remaining windows.
16. Proceed to “Configuring StorHouse/Admin” on page 3-5.





## Installing StorHouse/Admin without installing the Control Center framework

If you are installing StorHouse/Admin on a computer where you have already installed another Control Center module (CCAdmin or StorHouse/Performance Monitor), you have also already installed the Control Center framework, and you do not need to reinstall it on that computer.

- ▼ To install StorHouse/Admin without installing the Control Center framework
  1. Close all open programs on the computer where you are installing StorHouse/Admin.
  2. If necessary, insert the Control Center installation CD into the CD-ROM drive of the computer. The Control Center setup program starts automatically.
  3. On the Welcome to Control Center setup menu, click CC Installation.
  4. On the CC Installation setup menu, click StorHouse/Admin.
  5. In the Welcome dialog box, click Next.
  6. In the Reinstall CC Framework dialog box, click No, then click Next.

**Note:** If you click Yes when asked if you want to reinstall the Control Center framework, the installation procedure will proceed as described in “Installing StorHouse/Admin with the Control Center framework” on page 3-2 (steps 6 through the end).
  7. In the Start Installation dialog box, click Next. The program installs StorHouse/Admin.



8. In the Installation Complete dialog box, click Finish.
9. On the Control Center setup menu, click Exit CC Installation.
10. On the Welcome to Control Center setup menu, click Exit Setup.
11. Proceed to the next section “Configuring StorHouse/Admin.”

## Configuring StorHouse/Admin

You need to configure StorHouse/Admin for use with a Control Center Server. If you have already configured a data source for another Control Center module on this computer, you can select that data source for StorHouse/Admin, or configure a new one.

A data source consists of a specific StorHouse system attached to a specific Control Center Server.

To define or select a data source, you must have already installed a Control Center Server and CCAdmin, and configured the server with CCAdmin, on this computer or on another computer that is accessible over your network.

The server must be running.

- ▼ To configure a data source for the StorHouse/Admin shortcut
  1. Start Control Center by double-clicking its desktop icon.
  2. On the Selection Bar on the left of the Control Center window, click the StorHouse/Admin shortcut icon.



3. In the Information dialog box that tells you there's no data source configured for the shortcut, click OK. The CC Client Configuration Wizard dialog box appears.
4. If you have installed another Control Center module on this computer and defined a data source for it, click a server from the **CC Server** list, then skip to Step 9. Otherwise, go to Step 5.

**Note:** The server you select must be running.

5. If you haven't installed another Control Center module on this computer and defined a data source for it, click New next to the **CC Server** box.
6. In the Define CC Server dialog box in the **CC server name** box, type a valid DNS name for a networked computer that has the Control Center Server software installed and running.
7. Accept the default value 8020 for the **TCP/IP port** box, or, if necessary, type another valid port number.
8. Click OK.
9. The CC Client Configuration Wizard dialog box should now have a server name in the **CC server** list and a StorHouse name in the **StorHouse system** box. Click Next.

**Note:** If you have configured more than one StorHouse system for this Control Center Server, you can choose another system from the **StorHouse system** list. If the server is not running and configured with a StorHouse system, this list will be empty, and you will not be able to proceed.

10. In the next dialog box in the **Data source name** box, accept the default name or type a new name for the data source. This should be a descriptive name that will help you identify the data source.



11. Click Next.
12. In the next dialog box in the **Shortcut name** box, accept the default name or type a new name. This name will appear with the shortcut on the Selection Bar and will help you identify which data source you are connected to.
13. Click Finish.

## Starting StorHouse/Admin

You start StorHouse/Admin by clicking a StorHouse/Admin shortcut on the Control Center Selection Bar. The shortcut identifies the StorHouse/Admin module and indicates which data source the module should use.

▼ To start StorHouse/Admin

1. On the Selection Bar, click the StorHouse/Admin shortcut you just created.
2. In the Login dialog box, type the identifier for the StorHouse account you want to use in the **Account ID** box.
3. In the **Password** box, type your account password.
4. Click Login.

You can now use StorHouse/Admin to manage the StorHouse system represented by the data source for this shortcut.



## Setting up remote computers to run StorHouse/Admin

After you have installed the Control Center framework and StorHouse/Admin on one computer, you can set up remote computers to run StorHouse/Admin without having to install the Control Center framework and StorHouse/Admin on the remote computers.

To do this, you must first make the directory on the computer where you installed the Control Center framework and StorHouse/Admin accessible over a network to the computer(s) where you want to enable remote access. Then, on the remote computer, map a path to that directory.

- ▼ To set up a remote computer to run StorHouse/Admin
  1. On the remote computer where you want to run StorHouse/Admin, right-click the My Computer icon on the desktop, and click Explore on the menu that appears.
  2. On the Exploring - My Computer window, navigate to the shared drive and directory where the Control Center software is installed.
  3. Double-click the file named InstSHAdmin.EXE.
  4. Follow the screen prompts in the setup program.

The setup program creates a desktop shortcut for the Control Center framework on the remote computer. This shortcut points to the computer where you originally installed Control Center. To run StorHouse/Admin on the remote computer, double-click the desktop shortcut for Control Center, then click the StorHouse/Admin icon on the Selection Bar on the Control Center framework window.



# StorHouse/Performance Monitor

This chapter explains the tasks you need to complete before using StorHouse/Performance Monitor. These tasks include:

- Setting StorHouse system parameters for collecting StorHouse/Performance Monitor data
- Installing the StorHouse/Performance Monitor software
- Configuring a data source, if necessary
- Setting StorHouse/Performance Monitor system preferences
- Copying StorHouse/Performance Monitor data files to your PC



## Setting system parameters for collecting report data

StorHouse/Performance Monitor reports rely on data collected from one or more StorHouse systems. Before a StorHouse system will collect this data, you must set certain StorHouse system parameters.

**Note:** If you haven't installed StorHouse/Admin on this computer, refer to the *StorHouse Command Language Reference Manual* to set system parameters.

- ▼ To set system parameters with StorHouse/Admin
  1. Start StorHouse/Admin.
  2. On the System menu, click Configure.
  3. In the System Configuration dialog box, find each of the following parameters and set them as described.
    - LOG\_ACCOUNT: Set to the applicable StorHouse account name. This parameter sets the signon account used for storing StorHouse/Performance Monitor data files.
    - LOG\_DEVICE: Set to true. This parameter enables logging of device information records.
    - LOG\_FILE: Set to true. This parameter enables logging of file open and close information records.
    - LOG\_FSET: Set to the applicable file set name. This parameter sets the file set name used for storing StorHouse/Performance Monitor data files.



- LOG\_GROUP: Set to the applicable group name. This parameter sets the file access group used for storing StorHouse/Performance Monitor data files.
- LOG\_INTERVAL: Set to 15 minutes. This parameter controls the interval for logging polled records.
- LOG\_POLL: Set to true. This parameter enables logging of polled (interval) records.
- LOG\_SYSTAT: Set to true. This parameter enables logging of system startup and shutdown records.
- LOG\_VOLUME: Set to true. This parameter enables logging of volume dismount and movement information records.
- LOG\_VSET: Set to the applicable volume set name. This parameter sets the volume set name used for storing StorHouse/Performance Monitor data files.
- SMVU\_EOM\_DELAY: Set to a value between 1 and 15. This parameter determines how many days past the end of the month StorHouse will continue to collect data for StorHouse/Performance Monitor data files in the previous month. This is necessary to accurately calculate some information, such as file opens.
- SMVU\_LOGGING: Set to true. This parameter turns on the collection of StorHouse/Performance Monitor data.
- SMVU\_PUT\_CYCLE: Set to 24. This parameter specifies the interval in hours at which the StorHouse/Performance Monitor data files are written from the StorHouse system directories on magnetic disk to user files on level L. Changes to this value take effect during the next PUT cycle. By setting the value to 24, you ensure that StorHouse puts a new version of the most current





StorHouse/Performance Monitor data files in the user directories daily. This keeps your data current.

- `SMVU_VER_LIMIT`: Set to a value between 1 and 32,768. This parameter sets the number of versions of StorHouse/Performance Monitor data files kept in the system.

4. Click OK.

## Installing StorHouse/ Performance Monitor

The Control Center installation CD contains the StorHouse/Performance Monitor software, the Control Center framework software, and the PM File Copy utility.

If StorHouse/Performance Monitor is the first Control Center module you are installing on a computer, the installation program automatically installs the Control Center framework.

You can set up the Control Center framework and StorHouse/Performance Monitor for use on remote computers without reinstalling the software. See “Setting up remote computers to run StorHouse/Performance Monitor” on page 4-14.

**Note:** If you are installing StorHouse/Performance Monitor on a computer that already has the Control Center framework installed, you do not need to reinstall the Control Center framework. Skip to “Installing StorHouse/Performance Monitor without installing the Control Center framework” on page 4-6.



## Installing StorHouse/Performance Monitor and the Control Center framework

This procedure explains how to install StorHouse/Performance Monitor and the Control Center framework.

- ▼ To install StorHouse/Performance Monitor and the Control Center framework
  1. Close all open programs on the Windows computer where you are installing StorHouse/Performance Monitor.
  2. Insert the Control Center installation CD into the CD-ROM drive of the computer. The Control Center setup program starts automatically.
  3. On the Welcome to Control Center setup menu, click CC Installation.
  4. On the CC Installation setup menu, click StorHouse/PM.
  5. In the Welcome dialog box, click Next.
  6. In the next dialog box, click Next.
  7. In the Choose Destination Location dialog box, click Next. The location listed on this dialog box is where the installation program will install the Control Center framework and StorHouse/Performance Monitor files.

**Note:** The default location is C:\Program Files\ControlCenter2\Bin. You can click Browse to install the Control Center framework and StorHouse/Performance Monitor files elsewhere, but FileTek recommends you accept the default location.



8. In the Select Program Manager Group dialog box, make sure Control Center appears in the box at the top, then click Next.
9. In the Start Installation dialog box, click Next. The program installs the Control Center framework.
10. In the Desktop Shortcut dialog box, click Yes to create a shortcut for Control Center on your desktop.
11. In the Start Installation dialog box, click Next. The program installs the StorHouse/Performance Monitor module.
12. In the Installation Complete dialog box, click Finish.
13. On the Control Center setup menu, click Exit CC Installation.
14. On the Welcome to Control Center setup menu, click Exit Setup.
15. Proceed to “Configuring a data source for StorHouse/Performance Monitor” on page 4-8.

## Installing StorHouse/Performance Monitor without installing the Control Center framework

If you are installing StorHouse/Performance Monitor on a computer where you have already installed another Control Center module (CCAdmin or StorHouse/Admin), you have also already installed the Control Center framework, and you do not need to reinstall it on that computer.



- ▼ To install StorHouse/Performance Monitor without installing the Control Center framework
  1. Close all open programs on the computer where you are installing StorHouse/Performance Monitor.
  2. If necessary, insert the Control Center installation CD into the CD-ROM drive of the computer. The Control Center setup program starts automatically.
  3. On the Welcome to Control Center setup menu, click CC Installation.
  4. On the CC Installation setup menu, click StorHouse/Performance Monitor.
  5. In the Welcome dialog box, click Next.
  6. In the Reinstall CC Framework dialog box, click No, then click Next.

**Note:** If you click Yes when asked if you want to reinstall the Control Center framework, the installation procedure will proceed as described in “Installing StorHouse/Performance Monitor and the Control Center framework” on page 4-5.
  7. In the Start Installation dialog box, click Next. The program installs StorHouse/Performance Monitor.
  8. In the Installation Complete dialog box, click Finish.
  9. On the Control Center setup menu, click Exit CC Installation.
  10. On the Welcome to Control Center setup menu, click Exit Setup.
  11. Proceed to the next section “Configuring a data source for StorHouse/Performance Monitor.”



## Configuring a data source for StorHouse/Performance Monitor

After you've installed StorHouse/Performance Monitor, you may configure a data source for it, although you don't have to if you plan to use StorHouse/Performance Monitor to monitor StorHouse performance without going through a Control Center Server.

If you have no other Control Center modules with data sources configured on this computer, the Data Source Configuration Wizard appears the first time you start StorHouse/Performance Monitor.

You can configure a data source, or you can choose not to configure a data source by clicking Next in each dialog box, leaving the boxes blank, accepting the defaults, and clicking Finish in the last dialog box.

If you have already configured a data source for another Control Center module on this computer, the Data Source Configuration Wizard doesn't appear when you start StorHouse/Performance Monitor, and you can skip to the "Setting preferences" section on page 4-9.

▼ To configure the data source

1. Start Control Center by double-clicking its desktop icon.
2. On the Selection Bar on the left of the Control Center window, click the StorHouse/PM shortcut icon.
3. In the CC Client Configuration Wizard dialog box, click New next to the **CC Server** box.



4. In the Define CC Server dialog box in the **CC server name** box, type a valid DNS name for a networked computer that has the Control Center Server software installed and running.
5. Accept the default value 8020 for the **TCP/IP port** box, or, if necessary, type another valid port number.
6. Click OK.
7. The CC Client Configuration Wizard dialog box should now have a server name in the **CC server** box and a StorHouse name in the **StorHouse system** box. Click Next.

**Note:** If you have configured more than one StorHouse system for this Control Center Server, you can choose another system from the **StorHouse system** list. If the server is not running and configured with a StorHouse system, this list will be empty, and you will not be able to proceed.

8. In the next dialog box in the **Data source name** box, accept the default name or type a new name for the data source. This should be a descriptive name that will help you identify the data source.
9. Click Finish and proceed to the next section “Setting Preferences.”

## Setting preferences

Preferences determine default values for creating reports. You can define different preferences for each of your data sources and you can change these preferences at any time, even as you generate reports.



▼ To set system preferences:

1. On the Selection Bar, click the StorHouse/PM shortcut to start the program.
2. From the Options menu, choose Preferences.
3. Set the Shift Defaults.

Shifts determine the hours and minutes of a reporting time period. You can set the beginning and ending times for three shifts and the beginning and ending time for a full day. Hours and minutes are two digits (24-hour clock) and must be in 15-minute intervals. For example: 13:00, 12:45, 08:30.

**Note:** The other preferences apply to a specific data source, but shift defaults apply to all data sources that you have defined.

4. In the **Data source** box, choose a data source from the list if necessary.

Unless you've added another data source, your only data source should appear already selected in the list.

5. In the **Data path** box, set the path to your data files.

This is the destination directory where you'll copy the StorHouse/Performance Monitor files with PM File Copy. This can be any directory on your hard drive or accessible network drive. If you haven't created this directory yet, type the path here and StorHouse/Performance Monitor will create it for you.

6. In the **Layout path** box, set the path to the directory that will contain your layout files.

This path tells StorHouse/Performance Monitor where to look for your stored layouts. If you haven't created a layout directory for the



data source, you can type a name here and StorHouse/Performance Monitor will create it for you. You can type the path manually or browse to the directory.

**Note:** A *layout* is a report definition template containing all the information in a report definition, including report type, style, summary level, and graph format. Using layouts, you can define reports once, save them as layouts, then use the layouts as often as you like with different data. For more information about layouts, refer to the StorHouse/Performance Monitor online help or to the *Getting Started with StorHouse/Performance Monitor* manual.

7. In the **File prefix** box, type a file prefix of four characters or fewer for this data source.

The file prefix determines how PM File Copy will name the files as it copies them to your PC environment. For instance, if you make your prefix Alph, PM File Copy will create files with names such as Alph9805.PDF

**Note:** PM File Copy creates files with the format PPPPYMM.TTT, where PPPP is the prefix, YY is the year, MM is the month, and TTT is the file type — PDF, VDF, or VNE

8. In the **Libraries** box, set the number of library devices for this data source.

This value affects the number of libraries that appear in certain reports. Libraries include both optical and tape libraries. The maximum number of libraries is 16.

9. In the **Devices** box, set the maximum number of devices available for any library.

For instance, if you have two libraries, and one library has two devices and the second library has four devices, you'd set this value to 4. This





value affects the number of devices that appear in certain reports. The maximum number of devices for any library is 16.

10. Click OK to save your preferences.

## Copying data files to your PC

The StorHouse system collects data for StorHouse/Performance Monitor in files on the StorHouse system. However, the data is not available to StorHouse/Performance Monitor until you copy these files to your PC environment. You do this by using PM File Copy to copy the data files from your StorHouse system to your PC drive or to a drive that you can access over a network. Once you've copied the data files and set system preferences to tell StorHouse/Performance Monitor where to find them, you can begin creating reports.

### StorHouse/Performance Monitor files

Before copying the files, it's important to understand a little about StorHouse/Performance Monitor data files. Basically the StorHouse system collects three types of files for StorHouse/Performance Monitor — performance data files (PDF), Volume Set (VSET) data files (VDF), and VSET name files (VNF). PDF files contain most of the data the program needs to create reports. VDF files contain most of the data the program needs for volume set reports. VNF files also contain information for volume set reports.

A typical StorHouse system collects multiple PDF/VDF pairs, one pair for each month. It also creates one VNF file. When you copy the files to your PC environment, you'll copy the VNF file and all the PDF and VDF files that you want, depending on the time range you're interested in.



## File names

On the StorHouse system, file names have the format TTTYMM, where TTT is the type, YY is the year, and MM is the month. For instance, PDF9806 and VDF9806 represent respectively a PDF file collected for June of 1998 and a VDF file collected for June of 1998. During the copy procedure, PM File Copy will create new files with different, but similar, names that use the file prefix you set in your preferences, as well as the date and the file type.

For example, if your prefix were Alph and you copied PDF9806 and VDF9806, PM File Copy would copy the files to your PC environment as Alph9806.PDF and Alph9806.VDF. The Alph prefix identifies the data source (the StorHouse system) for the files, the numbers (9806) indicate the month during which the data was collected, and the file extension (PDF or VDF) indicates the file type.

- ▼ To copy data files from StorHouse to your PC or network
  1. Click the Applications icon on the Selection Bar.
  2. Click the PM File Copy icon.
  3. Select a data source for your files. This will identify the StorHouse system where the files reside. If you have only one data source, it will be selected automatically.
  4. Type your StorHouse account name and password.
  5. Under Selection Criteria, click a year in the **Year** box and a month in the **Month** box.
  6. Unless you want to use the User Log Browser or the User Log Report Generator features, make sure that **Include User Log Files** is not checked.
  7. Click Login.



8. At the bottom of the Log File Retrieval dialog box, select the files you want to copy. Make sure you select the VNF file (there should be only one) and all the PDF and VDF files that fall within the time range that interests you.

**Note:** If there are no files listed for copying, the StorHouse account that you're using probably does not have access privileges to the group specified by the **LOG\_GROUP** system parameter. Notify your StorHouse system administrator if you need your account privileges changed.

9. Click Copy File.

10. Click Close.

## Setting up remote computers to run StorHouse/Performance Monitor

After you have installed the Control Center framework and StorHouse/Performance Monitor on one computer, you can set up remote computers to run StorHouse/Performance Monitor without having to install the Control Center framework and StorHouse/Performance Monitor on the remote computers.

To do this, you must first make the directory on the computer where you installed the Control Center framework and StorHouse/Performance Monitor accessible over a network to the computer(s) where you want to enable remote access. Then, on the remote computer, map a path to that directory.



- ▼ To set up a remote computer to run StorHouse/Performance Monitor
  1. On the remote computer where you want to run StorHouse/Performance Monitor, right-click the My Computer icon on the desktop, and click Explore on the menu that appears.
  2. On the Exploring - My Computer window, navigate to the shared drive and directory where the Control Center software is installed.
  3. Double-click the file named InstPM2.EXE.
  4. Follow the screen prompts in the setup program.

The setup program creates a desktop shortcut for the Control Center framework on the remote computer. This shortcut points to the computer where you originally installed Control Center. To run StorHouse/Performance Monitor on the remote computer, double-click the desktop shortcut for Control Center, then click the StorHouse/PM icon on the Selection Bar on the Control Center framework window.

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