SynCore/2 Installation Guide

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CHAPTER 5
Configuring File Cabinet Communications

This chapter discusses how to configure your system for use with File Cabinets in various locations. It contains the following sections:

SECTION 5.1
Overview

You can keep your File Cabinet on a local workstation, an OS/2 server, or a mainframe. Wherever you put it, you must set up your workstation Communications Manager/2 and the SynCore/2 SYN.CFG file so you can connect the SynCore/2 File Cabinet process (which accesses the File Cabinet) with the SynCore/2 user interface or batch server.

You can configure your workstation to run with:

- a local File Cabinet process accessing a local File Cabinet or server File Cabinet
- a File Cabinet process on an OS/2 server accessing a File Cabinet on the same server, a different server, or on the mainframe
- a File Cabinet process on a mainframe running CICS and accessing a mainframe File Cabinet

You can set your workstation up for any number of File Cabinets by defining them in your SYN.CFG file. If you are running the SynCore/2 GUI, you can define these File Cabinets in the GUI business case management system and easily change File

Cabinets from the SynCore/2 menu. If you are running in batch or through an external interface program, you can change File Cabinets using SynCore messages.

While the File Cabinet and File Cabinet process need not share the same hardware location, doing so means better efficiency in processing data and faster response time in the system.

Note

The instructions in this chapter assume you are using Communications Manager/2 Version 1.0. If you are using a more recent version of Communications Manager/2 or a different communications product, the locations of the specific items to be configured may vary, but the basic configuration requirements remain unchanged.

SECTION 5.2
Using Communications Manager

SynCore/2 uses Communications Manager/2 to facilitate File Cabinet communications. This section briefly describes some aspects of Communications Manager/2 with which you must be familiar in order to configure File Cabinet communications.

Determining Network IDs

To set up a local File Cabinet process, you must know your network ID and local node name. If you do not already have this information, use the following procedure:

1. Open the Communications Manager/2 folder.
2. Select the Communications Manager Setup icon.
3. Select Setup.
4. Be sure you are using the correct configuration name, and select OK.
5. Under Workstation Connection Type, select:

   Token-ring or other LAN types or
   Ethernet (ETHERAND) network
6. Under Feature or Application, select CPI Communications.
7. Select Configure.
8. Double Click SNA Local Node Characteristics. The system displays the Network ID and Local Node Name. If this information does not exist you will need to set it up.
9. Select Cancel.

Naming Rules

When naming elements in Communications Manager/2, keep the following rules in mind:

- Names must always be in upper case.
- No two File Cabinets that participate in the same source → target copy operation can have the same name.
- Use descriptive names that you or someone else will understand when you return to them later.

SECTION 5.3
Configuring for a Local File Cabinet

This section describes how to set up a File Cabinet process for a File Cabinet on a local workstation. This involves setting up a local File Cabinet process for a database which is cataloged in DB2/2 at the local workstation. This can be portrayed as follows:

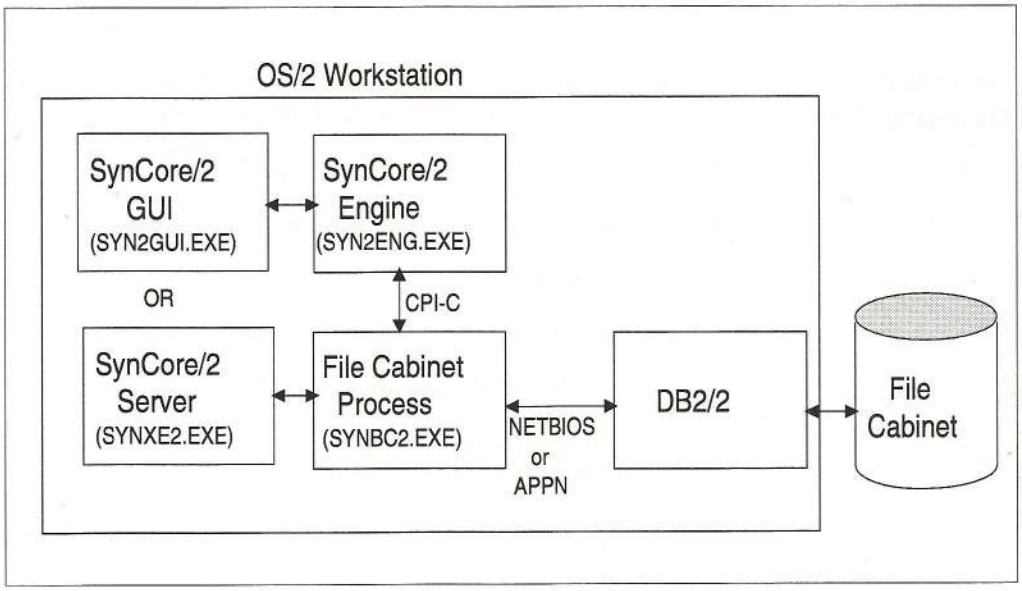

Figure 5-1

Configuring CM/2

Once you have determined your network IDs, use the following procedure to set your Communications Manager settings:

1. Open the Communications Manager/2 folder.
2. Select the Communications Manager Setup icon.
3. Select Setup.
4. Be sure you are using the correct configuration name, and select OK.
5. Under Workstation Connection Type, make the proper selection for your site.
6. Under Feature or Application, select CPI Communications.
7. Select Configure.
8. Double click SNA Features.

9. Select CPI Communications side information.
10. Select Create.
11. Enter the Symbolic destination name:

    SYNLOCFCSYMDEST

    where *SYNLOCFCSYMDEST* is the name you select.

    Example: SYNLOCFC.

    Note
    Be sure to follow the naming rules listed on page 5-3.

12. Under Partner LU, click Fully Qualified Name and enter:

    NETWRKID.NODENAME

    where *NETWRKID* is your network ID and *NODENAME* is your local node name.

13. Under Partner TP, Enter TP Name:

    SYNLOCFCTP

    where, for consistency, *SYNLOCFCTP* is the same name you entered above under Symbolic destination name. However, this may be any name you select.

    Example: SYNLOCFC

    Do not check the Service TP box.

14. Under Security Type, select the type of security required at your site. For a local File Cabinet, you would normally select NONE.
15. Under Mode name, select #BATCH from the pull-down list.
16. Under Comment, enter a brief description, for example:

    `Local SynCore/2 File Cabinet Process Sym Dest`

17. Select OK.
18. From the SNA Features List, double click Transaction Program Definitions.
19. Under Transaction program definition enter the Transaction program (TP) name:

    SYNLOCFCTP

    where *SYNLOCFCTP* is the same as the Partner TP name you entered above.

    Example: SYNLOCFC

    Do not check the Service TP box.

20. Under OS/2 Program path and file name enter:

    c`:\`*`syncore2`*`\synbc2.exe`

where *c* is the drive and *syncore2* the directory where SynCore/2 files are installed.

21. Under Optional comment, enter a brief description, for example:

    ```
    Local SynCore/2 File Cabinet process
    ```

22. Leave Optional values blank.
23. Select Continue.
24. Under Presentation type, select Background.
25. Under Operation Type select Non-queued, Attach Manager started.
26. Select OK.
27. Close all the CM windows.
28. CM asks if you wish to dynamically update your SNA resources. Select Yes.
29. Stop and restart Communications Manager.

Updating SYN.CFG

After you have updated your Communications Manager Settings, add lines to your SYN.CFG file as described below. SYN.CFG is in the same subdirectory as the SynCore software.

`FC_SYM_DEST_NAME=`*`SYNLOCFCSYMDEST`*
where *SYNLOCFCSYMDEST* is the Symbolic destination name you entered above.

`FC_KEEPCONVALLOCD=`*`ALLOCATE`*
where *ALLOCATE* is YES or NO. The default is NO. When set to YES, the conversation with the File Cabinet process is kept active throughout the entire session rather than being stopped and started for each business case message. For a local File Cabinet, always set this to YES. When running in batch mode, you may want to set this SynProp to YES.

> **Note**
> If you have multiple File Cabinets, you must use the appropriate File Cabinet synonym in your SYN.CFG file. See **Configuring Multiple File Cabinets**, beginning on page 5-17. For a complete discussion of this topic, see the ***Interface Guide***, **Chapter 4 – The Business Case System**.

CPI Communications Side Information Alternatives

You can avoid using CPI Communications Side Information by setting SynProps in your SYN.CFG file. If you set:

```
FC_SYM_DEST_NAME=" "
```

you may then use the following SynProps and skip the steps listed above for entering these values in CPI Communications Side Information. You must enter the " ". If you simply leave a blank after the equal sign, the system defaults to FCSQL.

`FC_PARTNER_LU=`*`SYNLOCFCLU`*

Where *SYNLOCFCLU* is the fully qualified name of the partner.
Example: GBSAIG00.SYNTEL4A

FC_MODE_NAME=*SYNLOCFCMODE*
Where *SYNLOCFCMODE* is the mode name you want to use.
Example: #BATCH

FC_TP_NAME=*SYNLOCFCTP*
Where *SYNLOCFCTP* is the partner TP name.
Example: SYNLOCFC

If you have set these values in CPI Communications Side Information, you can override any one or all of them by setting the SynProp FC_SYM_DEST_NAME to the symbolic destination name you have established, and then entering the SynProp and new value for the setting(s) you want to change.

Example

```
FC_SYM_DEST_NAME=""
FC_PARTNER_LU=GBSAIG00.SYNTEL4A
FC_MODE_NAME=#BATCH
FC_TP_NAME=SYNLOCFC
```

SECTION 5.4
Configuring for a Server File Cabinet

Use the following procedure to set up a File Cabinet on your OS/2 Server. This involves setting up a File Cabinet process on a server for a database which is cataloged to DB2/2 on that server workstation. This can be portrayed as follows:

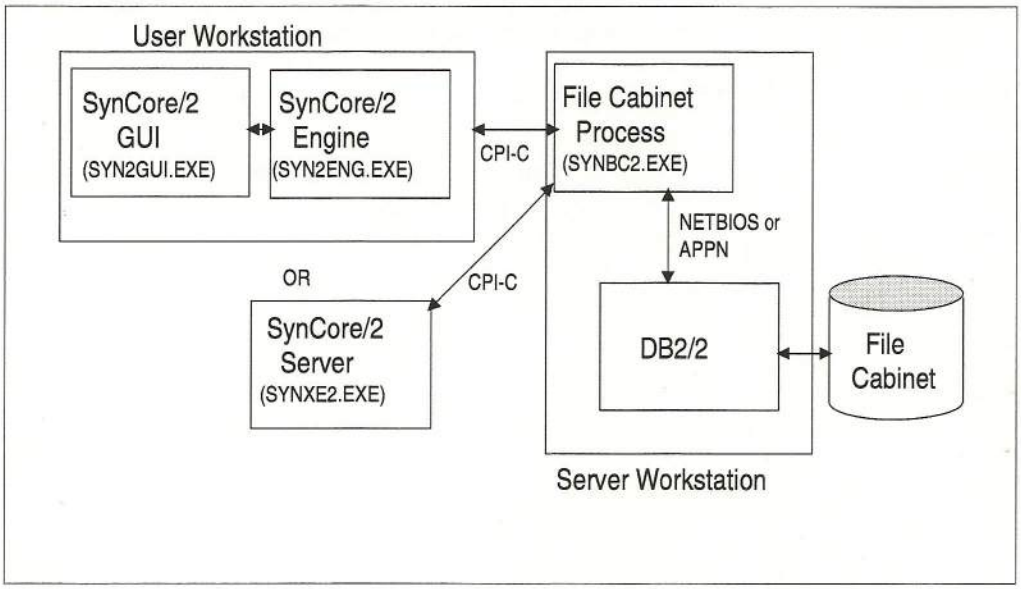

Figure 5-2

Configuring the Local Workstation

On the local (client) workstation use the following procedure:

1. Open the Communications Manager/2 folder.
2. Select the Communications Manager Setup icon.
3. Select Setup.
4. Be sure you are using the correct configuration name, and select OK.
5. Under Workstation Connection Type, make the proper selection for your site.
6. Under Feature or Application, select CPI Communications.
7. Select Configure.
8. Double click SNA Features.
9. Select CPI Communications Side Information.

10. Select Create.
11. Enter the Symbolic destination name:

    SYNSVRFCSYMDEST

    Where *SYNSVRFCSYMDEST* is the name you select.

    Example: SYNSVRFC

    > **Note**
    > Be sure to follow the naming rules listed on page 5-3.

12. Under Partner LU, click Fully Qualified Name and enter:

    NETWRKID.SRVRNAME

    where *NETWRKID* is the network ID of the server and *SRVRNAME* is the local node name of the server.

13. Under Partner TP, Enter TP Name:

    SYNSVRFCTP

    where *SYNSVRFCTP* is a name you select.

    Example: SYNSVRFC

    Do not check the Service TP box.

14. Under Security Type, select the type of security required at your site.
15. Under Mode name, select #BATCH from the pull-down list.
16. Under Comment, enter a brief description, for example:

    `Server SynCore/2 File Cabinet process`

17. Select OK.
18. Using your site's procedures, be sure that the local workstation containing the SynCore/2 engine (SYN2ENG.EXE or SYNXE2.EXE) is pointing to the server containing the File Cabinet.

Updating SYN.CFG

After you have updated your local workstation Communications Manager Settings, add lines to your SYN.CFG file as described below. SYN.CFG is in the same subdirectory as the SynCore software.

`FC_SYM_DEST_NAME=`*SYNSVRFCSYMDEST*
where *SYNSVRFCSYMDEST* is the symbolic destination name you entered above.
Example: SYNSVRFC

`FC_KEEPCONVALLOCD=`*ALLOCATE*
where *ALLOCATE* is YES or NO. The default is NO. When set to YES, the conversation with the File Cabinet process is kept active throughout the entire

session rather than being stopped and started for each business case message. Use this SynProp with a server File Cabinet as follows:

Using SynCore interactively	NO
Using SynCore with scripts	YES

> **Note**
> If you have multiple File Cabinets, you must use the appropriate File Cabinet synonym in your SYN.CFG file. See **Configuring Multiple File Cabinets**, beginning on page 5-17. For a complete discussion of this topic, see the ***Interface Guide***, **Chapter 4 – The Business Case System**.

CPI Communications Side Information Alternatives

You can override values set up in CPI Communications Side Information by setting SynProps in the SYN.CFG file. See **CPI Communications Alternatives** on page 5-6.

Configuring the Server

To run a File Cabinet on the server, that system must have:

- Communications Manager
- DB2/2

It does not need LAN Server or other server software.

To set up the server, use the following procedure:

1. If you did not do so when originally installing the SynCore/2 software, install the following SynCore/2 files:

   synbc2.exe
   synipc.dll
   synutil.dll
   synclib.dll

   to an appropriate drive and directory on the server.

2. Create the File Cabinet database, if needed, and bind the plan to it, as described beginning on page 4-1.

3. Open the Communications Manager Setup.

4. From the SNA Features List, double click Transaction Program Definitions.

5. Under Transaction program definition enter the Transaction program (TP) name:

   SYNSVRFCTP

   where *SYNSVRFCTP* is the same as the Partner TP name you entered above in each user client workstation.

   Example: SYNSVRFC

   Do not check the Service TP box.

6. Under OS/2 Program path and file name enter:

```
g:\syncore2\synbc2.exe
```

where *g* is the drive and *syncore2* the directory where SynCore/2 files in step 1 are installed.

7. Under Optional comment, enter a brief description, for example:

```
Server SynCore/2 File Cabinet process
```

8. Leave Optional values blank.
9. Select Continue.
10. Under Presentation type, select Background.
11. Under Operation Type select Non-queued, Attach Manager started.
12. Select OK.
13. Close all the CM windows.
14. CM asks if you wish to dynamically update your SNA resources. Select Yes.
15. Stop and restart Communications Manager.