

# SYSRPC - Remote Directory Maintenance

The Remote Directory Maintenance function is used to maintain a remote directory in order to connect the client's calling program to a subprogram on a server.

For further information on how to apply the Remote Directory Maintenance function, refer to Specifying RPC Server Addresses (Operating a Natural RPC Environment), Using a Remote Directory Server (RDS), and Definition of Terms as described in the Natural RPC documentation.

This section covers the following topics:

- Invoking Remote Directory Maintenance
- Fields
- Commands and PF Keys

## Invoking Remote Directory Maintenance



**Warning:**

**If you create a new RDS directory by entering Code C (see below), the existing file will be overwritten.**



**To invoke and use the Remote Directory Maintenance function**

1. In the Code field of the Client Maintenance screen, enter **RD**.  
A window appears.
2. Enter **C** to create a directory.  
Or enter **M** to modify a directory.  
A window appears.
3. Enter an expiration time in seconds (see also Expiration Time below).  
An editor screen appears similar to the one below:

```

-----S 01-----Columns 001 072
=====
====>
***** NODE      L T  SERVER      L T  LIBRARY  L T  PROGRAM  L T
***** ***** top of data *****
000001 ETB01      Y B  NRPC2301      SYSTEM      SUB1
000002                                     SUB2
000003                                     NRCP2301     SYSTEM      SUB3
000004                                     NRPC2302     SYSTEM      SUB4
000005                                     SUB5
000006                                     SUB6
000007 ETB01      Y   NRPC2301     Y   SYSTEM      SUB7
000008                                     SUB1        Y
000009                                     SUB2
000010                                     NRCP2301     SYSTEM      SUB3
000011                                     NRPC2302     SYSTEM      SUB4
000012                                     SUB5
000013 ETB01      Y   NRPC2301     SYSTEM      SUB6
000014                                     SUB1        Y
000015                                     SUB2

000016 ETB01      Y   NRPC2301     SYSTEM      SUB3
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10---PF11--PF12---
      Help      Quit  Save  Find  Chng  Up    Down      Canc
    
```

### Expiration Time

The remote directory data are loaded at runtime. The expiration time determines the period of validity of this data. If directory data are requested after the expiration time set, they will automatically be reloaded. If expiration time is set to 0 seconds, the remote directory data will not be reloaded.

**Note:**

If you create a new directory (Code C), to invoke an input line, enter the line command **I** at the beginning of the line "top of data". See also Line Commands below.

## Fields

The fields contained in the editor screen of the Remote Directory Service maintenance are identical to the fields described in Fields in the section Service Directory Maintenance. The field **L** is the equivalent to the field LOGON.

In addition to the fields provided in the Service Directory Maintenance, the field **T** (Transport) appears: enter **B** for EntireX Broker.

## Commands and PF Keys

Below is information on:

- Line Commands
- Direct Commands and PF Keys

### Line Commands

The line commands available in the editor screen of the Remote Directory Service maintenance are listed below. For further information see Editor Line Commands in the Software AG Editor documentation.

Enter a line command at the beginning of a line, that is, overwrite the sequential number and choose ENTER.

See also To copy or move a block of lines below and the direct command RESET.

Line Command	Function
A	Copies/moves a block of lines marked with C, CC, M or MM (see below) below the line in which the command was entered.
B	Copies/moves a block of lines marked with C, CC, M or MM above the line in which the command was entered.
C	Marks a single line to be copied.
CC	Delimits a block of lines to be copied.
D( <i>n</i> )	Deletes one or <i>n</i> lines beginning with the line in which the command was entered. <i>n</i> can be in the range from 1 to 9.
DD	Marks and deletes a block.  Delimit the block of lines by entering the command in the first and last line of the block, and choose ENTER to execute the command.
I( <i>n</i> )	Inserts one or <i>n</i> empty lines below the line in which the command was entered. <i>n</i> can be in the range from 1 to 9.
M	Moves a single line below the line in which the command was entered.
MM	Delimits a block of lines to be moved.

### To copy or move a block of lines

1. At the beginning of the line where the block starts, enter CC or MM.
2. At the beginning of the line where the block ends, enter CC or MM.
3. Choose ENTER.  
The lines are marked, the message "Block is pending" occurs.
4. Go to the beginning of the line where you want to place the block and enter **A** (after) to copy or move the block **below** this line,  
Or enter **B** (before) to copy or move the block **above** this line.
5. Choose ENTER.

## Direct Commands and PF Keys

The direct commands and PF Keys available in the editor screen of the Remote Directory Service maintenance are listed below. For further information on direct commands, see Editor Line Commands in the Software AG Editor documentation.

Direct Command	PF Key	Function
RESET		Resets the marks set with the line commands CC, MM, DD (see Line Commands above) or with the direct command CHANGE (see below).
TOP		Scrolls to the beginning of the list.
BOT		Scrolls to the end of the list.
FIND <i>string</i>		Scans the editor for a <i>string</i> of characters, for example: FIND ETB1.  Choose PF5 to scan for the next occurrence.  See also FIND in the section Main Commands in the Software AG documentation.
CHANGE <i>string1 string2</i>		Replaces character <i>string1</i> by <i>string2</i> , for example: CHANGE ETB1 ETB2.  Choose PF6 to replace the next occurrence.  See also CHANGE in the section Main Commands in the Software AG documentation.
	PF1	Help. Invokes the editor online help for the Service Directory
	PF3	Quit. Exits the remote directory service screen screen.
	PF4	Saves modifications.
	PF5	Find. Scans for the next occurrence of the character string defined with the direct command FIND (see above).
	PF6	Change. Replaces the next occurrence of the character string defined with the direct command CHANGE (see above).
	PF7	Up. Scrolls one page backward.
	PF8	Down. Scrolls one page forward.
	PF12	Cancel. Exits the Service Directory screen without saving modifications.