

Administration Data Maintenance

This chapter covers the following topics:

- Administration Data Maintenance Screen
 - Adding a Con-nect Node or Central Directory
 - Displaying the Central Directory Data Record
 - Displaying a Con-nect Node Data Record
 - Modifying the Central Directory Data Record
 - Modifying a Con-nect Node Data Record
 - Erasing a Con-nect Node Data Record
 - Erasing a Renamed Con-nect Node Data Record
-

Administration Data Maintenance Screen

The Administration Data Maintenance function is used to maintain the essential information that is required for each Con-nect node and the central directory in your Con-nect network.

With the Administration Data Maintenance function you can add new Con-nect nodes to the central directory, delimit the role a Con-nect node will play in the directory synchronization, modify a node's information and erase a node from the directory synchronization.

When you select the Administration Data Maintenance functions, the screen below is displayed.

```

12:58                * * * C O N - N E C T 3 * * *                14/02/94
CD Name DAEFCOC      Administration Data Maintenance              OCAP20

Cmd  Node      Node Type  DB  FNR Date Last Uploaded      Date Last Downloaded
*-----
___  DAEFCOC   central    180 12
___  BOSTON    up/download 180 30 12/02/1994 10:22:03.4 12/02/1994 10:27:43.8
___  CEDERRPD  up/download 177 143 09/02/1994 13:24:50.9 09/02/1994 13:54:15.1
___  DALLAS    up/download 67 30                29/01/1994 11:05:08.7
___  DENVER    up/download 83 2 05/02/1994 16:42:21.7 05/02/1994 15:51:19.1
___  PORTLAND  Renamed    177 143 22/12/1993 09:19:36.9 23/12/1993 17:06:25.0
___  RESTON    up/download 180 37 01/02/1994 13:50:20.5 01/02/1994 11:28:18.0

Cmd:  MO Modify  DI Display  ER Erase
Mark with unique letters from the list shown above
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help      Exit  Add      Flip      +              Canc

```

Each Con-nect node defined to the central directory as well as the central directory is displayed here.

Node

Identifies the transport service node responsible for uploading and downloading addresses to/from the central directory.

This is the transport service node name specified when the Con-nect's transport service was initialized. For further information, see *Initializing the Transport Service*.

In the case of the central directory, it is the directory's system name.

Node Type

Indicates how the node participates within the network.

It can be one of the following:

| | |
|-------------|---|
| Central | Node is the central directory for this network. |
| Upload | Con-nect node is allowed to upload its local addresses to the central directory. |
| Download | Con-nect node is allowed to download addresses from the central directory. |
| Up/download | Con-nect node is allowed to upload local addresses to the central directory and to download addresses from the central directory. |
| Renamed | Node name has been renamed. |
| Prepared | Name has been changed and all addresses which originate from this node are being modified. Once all addresses have been modified, the status is changed to renamed. |

DB

Database number of the node.

FNR

File number of the node.

The values you specify for fields Node, DB and FNR are not verified when you add the node to the central directory, however, when the node performs an upload or download the system verifies the values in these fields against that values specified on the node's "Directory Synchronization Maintenance" screen.

The same values for the DBID and FNR can be used by several nodes.

Date Last Upload

Date and time of last upload to the central directory.

Date Last Download

Date and time of last download from the central directory.

Adding a Con-nect Node or Central Directory

To add a new Con-nect node or central directory, you press PF4.

Note:

You cannot define more than one central directory.

```

11:11                * * * C O N - N E C T 3 * * *                14/02/94
CD Name DAEFCOC      Administration Data Maintenance            OCAP21

Synchronization Abilities .... undefined          (C,U,D,B)
Transport Service Node Name ..
DBID .....
FNR .....
Renamed as .....
Renamed on .....

MRU Transaction Counter .....
MRD Transaction Counter .....

Date of Last Upload ..... 00/00/0000
Time ..... 00:00:00.0
Date of Last Download ..... 00/00/0000
Time ..... 00:00:00.0

Make the required changes and exit to add
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help      Exit      Flip      Canc

```

The following information is required each time you add a node:

Synchronization Abilities

Defines the role the node plays in the network. Specify one of the below values:

- C The central directory. Once you have defined the central directory, you cannot add another, nor can you delete it.
- U Node is permitted to upload addresses to the central directory.
- D Node is permitted to download addresses from the central directory.
- B Node is permitted to upload and download to/from the central directory.

Transport Service Node Name

If you are adding the central directory, this is the central directory's file name.

If you are adding a Con-nect node, this identifies the node's transport service node name.

This is the transport service node name specified when the Con-nect's transport service was initialized. For further information, see *Initializing the Transport Service*.

DBID

Database number of node. If you are adding the central directory, a default value is automatically provided for the LFILE parameter. In the case of a Con-nect node, no default is provided.

FNR

File number of node. If you are adding the central directory, a default value is automatically provided for the LFILE parameter.

The remaining fields pertain to Con-nect nodes only and are automatically updated each time the node uploads or downloads to/from the central directory.

To add the new Con-nect node or central directory, press PF3.

Notes:

1. Once you add the central directory, you cannot delete the information, however, it can be modified. If you modify the central directory name, you must inform all Con-nect administrators whose Con-nect nodes participate with this central directory that they must update their directory synchronization maintenance data. See *Directory Synchronization Maintenance*
2. The same DBID and FNR values may be used by several Con-nect nodes.

If you want to cancel the addition, you press PF12.

Displaying the Central Directory Data Record

To display additional information pertaining to the central directory, you can enter DI in the Cmd column for the central directory and press ENTER.

```

11:13                * * * C O N - N E C T 3 * * *                14/02/94
CD Name DAEFCOC      Administration Data Maintenance              OCAP21

Synchronization Abilities .... C central

Central Directory Name ..... DAEFCOC
DBID ..... 180
FNR ..... 12

Log Level ..... 3
Current Node Uploading .....

Next Alias ..... D41
Current Transaction Range ....
Next Transaction Counter..... 56601

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help      Exit      Flip      Canc

```

The following information is displayed:

Synchronization Abilities

Defines what role the node plays within the central directory. Since this is the central directory, C central will always be displayed here.

Central Directory Name

Name of the central directory. This name will correlate to the name displayed in the upper left corner of the screen.

DBID

Database number of central directory.

FNR

File number of central directory.

Log Level

Designates the type of event that will cause a record to be written to the log file.

It can be one of the below values:

- 0 Default. Log significant events which occur (e.g. uploads, downloads).
- 1 Log events that are traced by the system. It is recommended that log level one should only be used when additional information is required.
- 2 Log all programs that are traced. It is recommended that log level two should only be used when additional information is required.
- 3 Log all events that occur. It is recommended that log level three should only be used when additional information is required.

Current Node Uploading

Name of Con-nect node that is currently uploading addresses to the central directory. If no Con-nect node is uploading addresses this field is blank.

Next Alias

Next available alias which will be assigned to the next new address uploaded. Each address uploaded to the central directory for the first time is assigned a unique alias.

Current Transaction Range

This field is used as an extension for the "Next Transaction Counter" field, as described below. When the "Next Transaction Counter" field exceeds 27 digits, this field is filled with capital letter "A" and the "Next Transaction Counter" field is restarted with 1. The next time the "Next Transaction Counter" field exceeds 27 digits, the value in the "Current Transaction Range" field is changed to capital letter "B" and, once again, the "Next Transaction Counter" field is restarted with 1.

The sequence of values used for this field are:

- " " (blank),
- A - Z (upper-case letters A through Z), then
- a - z (lower-case letters a through z), and then
- 0 - 9 (numbers 0 through 9).

It is recommended to reorganize your system when 9 is reached, otherwise duplicate transaction numbers may be assigned.

Next Transaction Counter

Transaction number that will be assigned to the next address uploaded to the central directory. When this field exceeds 27 digits, it is restarted with 1.

Displaying a Con-nect Node Data Record

To display additional information about a Con-nect node, you can enter DI in the Cmd column for that node and press ENTER.

```

16:41                * * * C O N - N E C T 3 * * *                14/02/94
CD Name DAEFCOC      Administration Data Maintenance              OCAP21

Synchronization Abilities .... B up/download
Transport Service Node Name .. BOSTON
DBID ..... 180
FNR ..... 30
Renamed as .....
Renamed on .....

MRU Transaction Counter ..... 00000000000000000000058284
MRD Transaction Counter ..... 00000000000000000000058273

Date of Last Upload ..... 09/02/1994
Time ..... 11:43:42.4
Date of Last Download ..... 02/02/1994
Time ..... 16:44:26.8

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help      Exit      Flip      Canc

```

The following information is displayed:

Synchronization Abilities

Defines what role the node plays within the central directory. It can be one of the following:

- B up/download Node is permitted to upload and download addresses to/from the central directory.
- D download Node is permitted to download addresses from the central directory.
- U upload Node is permitted to upload addresses to the central directory.

Transport Service Node Name

Identifies the transport service responsible for transmitting mail items to/from the Con-nect node.

This is the transport service node name specified when the Con-nect's transport service was initialized. For further information, see *Initializing the Transport Service*.

DBID

Database number of node.

FNR

File number of node.

Renamed as

Signifies whether the transport service node name has been changed with the Define Local Node function in the Con-nect administration. The name displayed here is the new name. See *Modifying the Transport Service Node ID*.

When the transport service node name is modified, a record with the new name is created. It is recommended that you do not erase the old record until all nodes on the network have performed a download from the central directory *after* the date of the rename to update all data that belongs to this node.

You must then notify each Con-nect administrator whose Con-nect interacts within the network of the transport service node name change. Each Con-nect administrator must add a new node with the new transport service node name (using the Add External Mail Node function).

Note:

If the node name is used as part of the import rule, the imported address' nickname is not modified with the new transport service node name.

Renamed on

Date the transport service node name was modified.

MRU Transaction Counter

A transaction number is assigned to each address uploaded to the central directory. The number displayed here is also recorded on the Con-nect node and will be used to determine with which address the next upload will begin.

MRD Transaction Counter

Transaction number assigned to the last address downloaded to this Con-nect node. The number displayed here is also recorded on the Con-nect node and will be used to determine with which address the next download will begin.

Date of Last Upload

Date of last upload for this node.

Time of Last Upload

Time of last upload for this node.

Date of Last Download

Date of last download for this node.

Time of Last Download

Time of last download for this node.

You can press PF5 to display the CSCI and broker address information (the server address):

```

13:04                * * * C O N - N E C T 3 * * *                14/02/93
CD Name DAEFCOC      Administration Data Maintenance            OCAP21

CSCI Address Data

Active Address .... _
Server Name ..... _____
Server Node ..... _____

Broker Address Data

Active Address .... _
Broker Id ..... _____
Server Class ..... _____
Server Name ..... _____
Service ..... _____

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help      Exit      Flip      Canc

```

CSCI Address Data**Active Address**

This field must be marked if the CSCI address is active.

Server Name

Name of server. Together with field Server Node, it identifies which server is accessed by the client.

Server Node

Name of node on which the server is executed.

Broker Address Data

Active Address

This field must be marked if the broker address is active.

Broker ID

Identifies the broker that will be addressed.

Server Class

Together with fields Server Name and Service, the server class uniquely identifies the service (e.g. database, TP-monitor).

Server Name

A logical name for a server which is used to distinguish between several servers of the same type or server class. The server name is used in conjunction with fields Server Class and Service to uniquely identify the service offered by the server.

Service

Together with fields Server Class and Server Name, this field uniquely identifies the service. By convention, it is a readily understandable name for an actual service offered by the server.

Modifying the Central Directory Data Record

To modify the central directory's data record, you can enter MO in the Cmd column for the central directory and press ENTER.

```

11:34                * * * C O N - N E C T 3 * * *                14/02/94
CD Name DAEFCOC      Administration Data Maintenance                OCAP21

Synchronization Abilities .... C central

Central Directory Name ..... DAEFCOC
DBID ..... 180
FNR ..... 12

Log Level ..... 3
Current Node Uploading .....

Next Alias ..... D41
Current Transaction Range ....
Next Transaction Counter..... 56601

Make the required changes and exit to modify
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help      Exit      Force Flip      Canc

```

You can modify the following fields:

Central Directory Name

Name of the central directory. This name will correlate to the name displayed in the upper left corner of the screen.

If you modify the central directory name, you must notify all Con-nect administrators whose systems interact with the central directory of the modification, so that the administrators can modify their directory synchronization maintenance information to reflect the new name. If a Con-nect administrator fails to modify the central directory name, he cannot upload nor download addresses to/from the central directory.

DBID

Database ID of central directory. If this field is modified, it is also automatically changed in the LFILE parameter.

FNR

File number of central directory. If this field is modified, it is also automatically changed in the LFILE parameter.

Log Level

Designates the type of event that will cause a record to be written to the log file.

It can be one of the below values:

- 0 Default. Log significant events which occur (e.g. uploads, downloads).
- 1 Log events that are traced by the system. It is recommended that log level one should only be used when additional information is required.
- 2 Log all programs that are traced. It is recommended that log level two should only be used when additional information is required.
- 3 Log all events that occur. It is recommended that log level three should only be used when additional information is required.

Additionally, if the Current Node Uploading field (displays the Con-nect node currently uploading) is blocked by a Con-nect node for longer than the usual amount of time, you can force the Con-nect node out of the upload process with PF5. As a result, a confirmation window is displayed in which you must enter *Y* and press ENTER to confirm the force.

To save your changes, press PF3.

Modifying a Con-nect Node Data Record

To modify the data record for a Con-nect node, you can enter MO in the Cmd column for that node and press ENTER.

```

16:49                * * * C O N - N E C T 3 * * *                14/02/94
CD Name DAEFCOC      Administration Data Maintenance                OCAP21

Synchronization Abilities .... B up/download      (C,U,D,B)
Transport Service Node Name .. BOSTON
DBID ..... 180
FNR ..... 30
Renamed as .....
Renamed on .....

MRU Transaction Counter ..... 00000000000000000000058284
MRD Transaction Counter ..... 00000000000000000000058273

Date of Last Upload ..... 09/02/1994
Time ..... 11:43:42.4
Date of Last Download ..... 02/02/1994
Time ..... 16:44:26.8

Make the required changes and exit to modify
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help      Exit      Flip      Canc

```

You can modify the following fields:

Synchronization Abilities

Defines what role the node plays within the central directory. It can be one of the following:

- B up/download Node is permitted to upload and download addresses to/from the central directory.
- D download Node is permitted to download addresses from the central directory.
- U upload Node is permitted to upload addresses to the central directory.

DBID

Database number of node.

FNR

File number of node.

Press PF3 to save your changes.

You can press PF5 to define the CSCI and broker address information (the server address). See the *Entire Broker Reference Manual* and the *CSCI Reference Manual*.

```

12:09                * * * C O N - N E C T 3 * * *                14/02/94
CD Name DAEFCOC      Administration Data Maintenance            OCAP21

CSCI Address Data

Active Address .... _
Server Name ..... _____
Server Node ..... _____

Broker Address Data

Active Address .... _
Broker Id ..... _____
Server Class ..... _____
Server Name ..... _____
Service ..... _____

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help      Exit      Flip      Canc
    
```

CSCI Address Data

Active Address

If the CSCI address is active, this field must be marked.

Server Name

Name of server. Together with field Server Node, it identifies which server is accessed by the client.

Server Node

Name of node on which the server is executed.

Broker Address Data**Address Active**

If the broker address is active, this field must be marked.

Broker ID

Identifies the broker that will be addressed.

Server Class

Together with fields Server Name and Service, the server class uniquely identifies the service (e.g. database, TP-monitor).

Server Name

A logical name for a server which is used to distinguish between several servers of the same type or server class. The server name is used in conjunction with fields Server Class and Service to uniquely identify the service offered by the server.

Service

Together with fields Server Class and Server Name, this field uniquely identifies the service. By convention, it is a readily understandable name for an actual service offered by the server.

To save your changes, press PF3.

To cancel your modifications, press PF12.

Erasing a Con-nect Node Data Record

To erase the data record of a Con-nect node, you enter *ER* in the Cmd column for that node and press ENTER.

If you have selected a node whose addresses are still contained in the central directory, a warning is issued, since addresses uploaded to the central directory are not deleted with the Con-nect node data record. If you wish to cancel the erasure, press PF3, otherwise press ENTER to continue.

As a result a confirmation window is displayed, enter *Y* and press ENTER.

```

12:10                * * * C O N - N E C T 3 * * *                15/02/94
CD Name DAEFCOC      Administration Data Maintenance                OCAP20
                                                                More: +
Cmd  Node      Node Type  DB  FNR Date Last Uploaded      Date Last Downloaded
*-----+-----+-----+-----+-----+-----+-----+-----+
___  DAEFCOC    +-----+-----+-----+-----+-----+-----+-----+
___  BOSTON     !                                     ! 02/1994  10:27:43.8
___  CEDERRPD   !                                     ! 02/1994  13:54:15.1
___  DALLAS     !                                     ! 01/1994  11:05:08.7
___  DENVER     !                                     ! 02/1994  15:51:19.1
___  PORTLAND  ! Node CEDERRPD will be erased.    ! 12/1993  17:06:25.0
___  RESTON    !                                     ! 02/1994  11:28:18.0
      ! 185      Address Records still exist !
      !          for this Node.   !
      !                                     !
      !                                     !
      !                                     !
      !                                     !
      +-----+-----+-----+-----+-----+-----+-----+
Cmd:  MO Modify  DI Display  ER Erase

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help      Exit  Add      Flip      +      Canc

```

The data record is immediately erased from the "Administration Data Maintenance" screen.

Erasing a Renamed Con-nect Node Data Record

If you select the data record of a Con-nect node for erasure that has been renamed and at least one of the Con-nect nodes defined in the central directory have not performed a download since the rename, a window is displayed advising you of the fact. If you wish to continue with the deletion, press ENTER to display the confirmation window, or press PF3 to quit.

Notes:

1. It is highly recommended that you do not delete the data record for a Con-nect node that has been renamed until all participating Con-nect nodes have performed a download after the node was renamed. This is to insure that the name modification is passed to all addresses and data records on the other participating Con-nect nodes which belong to this Con-nect node.
2. You cannot delete the central directory node.

