

NAF - Cluster - Function 31.7

When using Natural Advanced Facilities in an environment which requires decentralized administration of printers, you can create groups of logical printers. These groups are called clusters. Administration of reports and printers (Functions 10 and 11) can be restricted to these clusters.

Each cluster is defined by a number of logical printers. When a logical printer is assigned to a cluster, all allocations and physical printers defined to the logical printer are automatically assigned to the cluster. Each logical printer, allocation and physical printer can only be assigned to one cluster.

Note:

Since active clusters result in more Adabas calls, usage of clusters can be deactivated with Function 30.5. In this case, Function 31.7 cannot be invoked.

This chapter covers the following topics:

- Invoking Cluster
- Selecting a Cluster from a List
- Maintaining a Cluster

Invoking Cluster

When you invoke this function, the **Cluster** window appears:

```

Time 11:43:31          *** Natural Spool Administration ***          Date 2002-10-21
User SAG              M e n u                                     File 7/411
                                                                +-----Cluster 7/411 -----+
Administration        !                                     !
! Enter name of      !                                     !
10 Reports / Queues   !                                     !
11 Devices            !      Cluster                    !
12 Abstracts         !                                     !
13 Applications       !      or                          !
14 Change Spool File !                                     !
! *      for Selection !                                     !
Maintenance          !      ?      for Help            !
!                                     !
30 Spool File Properties !                                     !
31 Objects           !      .      for End              !
32 Mass Update       !                                     !
33 Hardcopy Allocations !                                     !
24 Transfer Objects  !      / _____ /              !
!                                     !
                                                                +-----+
Enter values.
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help Menu Exit User Logic Alloc Print Heade Appli Clust NTCC Canc

```

In this window, you can specify the name of an existing cluster, select a cluster from a list of clusters available or add a new cluster to the spool file.

Selecting a Cluster from a List

To select a cluster from a list, enter one of the following:

- a partly-qualified name (e.g. C* to list all clusters starting alphabetically from C),
- an asterisk (*) to list all clusters in the NATSPOOL system.

A list of clusters is then shown in a window.

```

Time 12:16:16          *** Natural Spool Administration ***          Date 2002-10-21
User SAG              M e n u                                     File 7/411
                                                                +-----Select with *-----+
Administration        !  New start value .....          !
                                                                +-----+
10 Reports / Queues   !  Fl Cm  Name          Fl Cm  Name    !
11 Devices            !  -- --  -----      -- --  -----  !
12 Abstracts          !          CLU01          _   TESTCLUS  !
13 Applications       !                                     !
14 Change Spool File !                                     !
                                                                !
Maintenance          !                                     !
                                                                !
30 Spool File Properties !                                     !
31 Objects            !                                     !
32 Mass Update        !                                     !
33 Hardcopy Allocations !                                     !
34 Transfer Objects   !                                     !
                                                                !
                                                                +-----+
Mark on selection list.
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help Menu Exit                                     --                               Canc
    
```

P in the Fl (flag) column indicates that the cluster has been protected by an administrator.

In the Cm column, you can enter one of the following codes:

Code	Description
D	Delete cluster.
R	Rename cluster.
.	Exit function.
X or any other character	Display cluster for modification or deletion, see below.

Maintaining a Cluster

If the specified cluster exists, it is displayed. You can modify the individual parameters or delete the whole cluster.

Note:

If you specify a name that does not yet exist, you can add a new cluster. In this case, the Delete option is not provided in the window.

```

Time 10:52:30          *** Natural Spool Administration ***          Date 2002-10-21
User SAG                M e n u                                File 7/411
+-----+-----+-----+
Administration          ! Modify                                TESTCLUS      !
                        ! Delete (Y/N)                          N              !
10 Reports / Queues     ! -----+-----+-----+-----+-----+-----+-----+
11 Devices              ! Owner(s) ..... N                      !
12 Abstracts           ! -----+-----+-----+-----+-----+-----+-----+
13 Applications         ! Display/remove assigned                !
14 Change Spool File    ! Logical Printer(s) ..... N            !
                        ! -----+-----+-----+-----+-----+-----+-----+
Maintenance             ! Add/remove from list of                !
                        ! all Logical Printers ..... N          !
30 Spool File Properties ! -----+-----+-----+-----+-----+-----+-----+
31 Objects              ! Notes                                  !
32 Mass Update          ! -----+-----+-----+-----+-----+-----+-----+
33 Hardcopy Allocations ! -----+-----+-----+-----+-----+-----+-----+
34 Transfer Objects     ! -----+-----+-----+-----+-----+-----+-----+
                        ! Save Cluster ..... _                  !
+-----+-----+-----+
Modify values or press PF-Key.
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help Menu Exit User Logic Alloc Print Heade Appli Clust NTCC Canc
    
```

In the window above, you can specify the following:

- Whether a list of the logical printers that have already been assigned to the cluster is to be displayed (Y/N). When you specify Y, you can mark a printer in the resulting window with N to remove it.
- Whether a list of all logical printers on the spool file is to be displayed (Y/N). When you specify Y, you can mark the printers that you want to assign to the current cluster with Y in the resulting window. To remove a printer from the current cluster, mark it with N. When a printer is marked with a plus sign (+), it has already been assigned to another cluster and can therefore not be assigned to the current cluster. A minus sign (-) means that the printer cannot be assigned since it is not a NAF printer.
- You can also provide a short description.

To save the cluster, mark the corresponding field in the window.