

Resources

This section covers the following topics:

- Resource Maintenance Facility
 - Entering the Resource Maintenance Facility
 - Modifying a Master Resource
 - Deleting a Master Resource
 - Master Resource Definition
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Resource Maintenance Facility

The Resource Maintenance facility allows you to define master resource definitions to Entire Operations. The user can specify certain amounts of any of these resources as a prerequisite for a job. Entire Operations does not submit the job until the specified amount is available.

You can find a summary of resource features in the System Overview.

Entering the Resource Maintenance Facility

- Column Headings: Resources
- Line Commands: Resources

To enter the Resource Maintenance facility

- Select the option **Resources** from the System Services Menu.

A list of resources appears which are already defined to the system:

```

20.11.01          *** Entire Operations 4.1.1 ***          15:58:02
Owner      GHH          Resources
Selection A_____

-----
Cmd Resource          Type  Initial          Used User Routine      E Call
  *-----          Qty          Qty Library  Member      Time
-  $QWERTY-RESOURCE    R      53.00
-  ADA-1                N       0.00          EOR411  RMDDDBID  Y
-  ADA-9                N       1.00          EOR411  RMDDDBID  Y 17:56
-  A001                 R      12.50
-  A1                   R      10.00
-  A2345678901234567890 R      200.00
-  BLA-BLA              U       49.00
-  DEA1-JOB-01          R      100.00
-  DEA1-KEEP-01         R      100.00          48.00
-  DEA1-NETWORK-01     R      100.00
-  DEA2-1               R      100.00
***** m o r e *****
D Delete  E Edit User Rtn.  M Modify  J Defined in Jobs  W Active Usage
C Check Usage  X Invoke Determination Exit
Command => _____
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help  Add   End       Save       Up       Down       Menu
    
```

If no resources have been defined, the list is empty.

Column Headings: Resources

Meaning of the column headings:

Column	Meaning
Cmd	One-character line command input field. Possible values: D Delete resource E Edit user routine J Show the definition as prerequisite resource for jobs M Modify selected resource definition W Show active resource usage. This opens a screen which shows the current usage of the resource by active jobs. C Check usage. Verification of the current usage of the resource. X Invoke resource determination exit.
Resource	Name of resource. This can reflect real resources or can describe a fictitious resource. In the field beginning with an asterisk *, just beneath this heading, you use an asterisk as wildcard to enter selection criteria for the resource names.
Type	Type of resource. Possible values: U Un-reusable, quantitative. R Reusable, quantitative. N Not quantitative (absolute) For a more detailed description, see the subsection Master Resource Definition.
Initial Qty	Total amount of the resource defined to the system.
Qty in use	Amount of resource currently used by running jobs.
User Routine Library	Natural library of the resource determination user routine (exit). The user routine usage is described here.
User Routine Member	Natural member of the resource determination user routine (exit). The user routine usage is described here.
E	User routine enabled Y The user routine is enabled N The user routine is not enabled
Call Time	Date and time of the last invocation of the resource master determination user routine.

You can maintain resources using available line commands and PF keys.

Line Commands: Resources

Line Command	Meaning
D	Delete resource.
E	Edit user routine.
J	Show the definition as prerequisite resource for jobs.
M	Modify selected resource definition.
W	Show active resource usage.
C	Check usage.
X	Invoke resource determination exit.

The following subsections describe the functions you can perform here:

- Modifying a Master Resource
- Deleting a Master Resource
- Master Resource Definition

Modifying a Master Resource

To modify a resource

1. Enter **M** in the line input field of the selected resource in the list of resources and press Enter.

The Resource Definition window opens with the current resource definition.

2. You can modify the resource by overtyping the current values. Press PF5 (Save) to save the modified resource. Press PF3 (End) to return to the list of resources.

Deleting a Master Resource

To delete a resource from the system

1. Enter **D** in the line command input field of the selected resource in the list of resources and press Enter.

A window opens in which you can confirm deletion by entering the resource name.

2. Enter the resource name and press Enter to perform the deletion and close the window.

Note:

The deletion of a master resource is allowed only if the resource is no longer used

- in any job master definition
- in any active job.

Master Resource Definition

- Field Descriptions: Resource Definition
- Special PF Keys

To add a new master resource to Entire Operations

- Press PF2 (Add) from the list of resources.

To modify a master resource

- Use the line command **M** in the master resource list.

A window opens in which you can enter the resource definition:

```
Resource Definition

Resource ==> RMD-0001_____
Type ==> R

Initial Quantity ==> 50.00_____
Used Quantity ==> 0.00

Resource Amount is determined by
User Routine ==> RMDX0002 in Library ==> EOR-T411
Parameter ==> _____

User Routine enabled ==> Y (Y/N)
Passive Wait Check Interval ==> 2_____ Min.
Last Value Determination ==> 04.10.01 09:50:54

Enter-PF1-----PF3-----PF5---PF6-----
      Help           End           Save  Determ.
```

Field Descriptions: Resource Definition

Meaning of the input fields:

Column	Meaning
Resource	Name of the resource. User must specify this name when using this resource as a prerequisite for a job.
Type	Type of resource. Possible options: U Not reusable, quantitative. Amount of resource used by job is not released at job completion (e.g.: Paper) R Reusable, quantitative. Amount of resource used by job is released at job completion. (e.g.: Address Space) N Not quantitative. Resource is either entirely available or not available. (e.g.: a database or printer)
Initial Quantity	The initial quantity defined for U and R -type resources. The field is protected and shown as information only, if the amount of the resource is determined by a user routine.
Used Quantity	Protected field showing amount of the resource currently in use. This value is useful when you wish to modify an existing resource. If you are defining a new resource, this field should show zero.
User Routine	If a resource master determination user routine (exit) is defined, the initial value of the resource will be determined at each invocation of the routine. The exit will be invoked during prerequisite checks for the resource. Between 2 exit calls, at least the check interval must have been passed by. The exit will be used only if it is enabled. If the exit is enabled, the manual setting of the initial value is disabled. It is possible to pass parameters to the exit. See field help. The exit execution can be forced with a line command.
User Routine Library	The Natural Library in which the User Routine resides. This library should be different from the Entire Operations system library.
User Routine enabled	The resource master determination user routine will be used only if it is enabled. If it is enabled, the initial value of the resource can not be set manually.
Passive Wait Check Interval	The minimum interval between 2 determinations of the resource. The overhead of resource determinations will increase with smaller intervals. Note: A resource determination can be forced by a line command in the resource list.
Last Value Determination	Date and time of the last determination of the resource amount by the user routine (exit).

Special PF Keys

PF Key	Meaning
PF1	Help.
PF3	Close window; return to master resource list.
PF5	Save definition.
PF6	Force resource determination by exit. Invokes the determination user routine (exit) to determine the current amount of the resource.

