

Defining Recovery Action

This section covers the following topics:

- Introduction
 - Recovery Action Definition Screen
 - System Symbols for Recovery Actions
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Introduction

You can define a recovery process to be started as the result of a defined event during job execution. You can also define recovery action at the job level according to **Any check not ok**. Usually, recovery is used in case of job failure.

The conventional way to trigger a recovery network would be to define an event which activates the recovery network. Recovery is then started only if the event occurs or if any check is **not ok**.

Recovery Action Definition Screen

- Field Descriptions: Recovery Definition
- Special PF Keys: Recovery Definition

However, Entire Operations also provides a line command on the End-of-Job Checking and Actions screen to define recovery action.

To do so:

1. Type **R** in the line command input field of the selected event on the End-of-Job Checking and Actions screen. Press Enter.
2. The Recovery Definition window opens, in which you can specify the recovery network to be started. (The recovery network must be defined in the Network Maintenance facility.):

```

18.11.01          *** Entire Operations 4.1.1 ***          15:50:33
Owner   EXAMPLE          End-Of-Job Checking + Actions    MVS/ESA   Job JOB-02
Network E60-FLOW          Run                               Date
-----
C Action   Step          will be checked for          means   OA
-   P      STEP1        Condition Code = C0000      ok
r          Occurrence of String Library full          n.ok
+-----+
!
! Occurrence of String Library full          !
! Recovery Definition          !
! Owner ==> (SAME)_____          !
! Network ==> (SAME)_____          !
! Job ==> _____ (blank: whole network) ! *****
!
! Same Run ==> _ (Y/N)          !
! Reschedule ==> _ (Y/N)          ! -----
! Repeat ==> ___          ! ar M Modify O Other
! Wait Time ==> ___ Minutes          ! es X Action User Rtn
!
! ---PF1---PF3-----PF5-----PF9-----PF12--- ! _____
E ! Help End Save Delete Menu ! --PF10--PF11--PF12---
+-----+
Menu
    
```

For example, a recovery job can be a compression job started after the message **Library full** is received. The string **Library full** should be defined as an S-type event. Entire Operations starts the recovery job automatically when the event occurs.

Field Descriptions: Recovery Definition

Meaning of the input fields:

| Field | Description | | | | |
|------------|--|---|--|---|---|
| Owner | Name of the owner of the recovery network. Default: (SAME). If you do not change the default, (SAME) means the owner of the network to be recovered. The default value is replaced at execution time. | | | | |
| Network | Name of network containing the recovery job(s). Default: (SAME). If you do not change the default, (SAME) means the same network as the one containing the job(s) to be recovered. The default value is replaced at execution time. Note: When you copy a recovery job to another network, the default values (SAME) for owner and network remain unchanged, so that the recovery job can be used unchanged in the network to which it was copied. | | | | |
| Job | Name of the last job in the recovery network. This job must terminate successfully to start rescheduling. | | | | |
| Same Run | Single recovery jobs can be defined in the same network and can be executed under the same run number as the network to be recovered. All active objects of the network are then accessible for the recovery job with this run number. Possible values: | | | | |
| | <table border="1"> <tr> <td>Y</td> <td>Use same run number (default for single jobs).</td> </tr> <tr> <td>N</td> <td>Use a separate run number for the recovery (default for whole network).</td> </tr> </table> | Y | Use same run number (default for single jobs). | N | Use a separate run number for the recovery (default for whole network). |
| Y | Use same run number (default for single jobs). | | | | |
| N | Use a separate run number for the recovery (default for whole network). | | | | |
| Reschedule | Specifies whether job is to be rescheduled for submission after recovery. Possible values: | | | | |
| | <table border="1"> <tr> <td>Y</td> <td>Resubmit the job.</td> </tr> <tr> <td>N</td> <td>Do not resubmit the job. (default)</td> </tr> </table> | Y | Resubmit the job. | N | Do not resubmit the job. (default) |
| Y | Resubmit the job. | | | | |
| N | Do not resubmit the job. (default) | | | | |
| Repeat | Maximum number of times recovery job is to be retried. Default is 1. | | | | |
| Wait Time | The time to wait in minutes until the recovery is started. | | | | |

You can display a selection list of available Networks, Jobs and Owners by entering an asterisk * in the appropriate field and pressing Enter.

Special PF Keys: Recovery Definition

You can perform the following function from the Recovery Definition window using this PF key:

| Key | Name | Function |
|-----|--------|-------------------------------------|
| PF9 | Delete | Delete current recovery definition. |

System Symbols for Recovery Actions

When defining a recovery action, the following Entire Operations system symbols can be prefixed with the escape symbol for symbol prompting and used, for example, in a comment line in the JCL of the recovery job:

| Field Name | Description |
|-------------|--|
| P-C-OWNER | Owner of the job making the call. |
| P-C-NETWORK | Network of the job making the call. |
| P-C-JOB | Name of job making the call. |
| P-C-RUN | Run number of the job making the call. |
| P-C-Suffix | Value of the suffix symbol of the job making the call. |

They are substituted at JCL load with their current values. In the sysout of the recovery job, you can then find the substitution of the parameters:

```

*** Symbol   : P-C-OWNER
*** Value   : GFR
*** Symbol   : P-C-NETWORK
*** Value   : NET-1
*** Symbol   : P-C-JOB
*** Value   : JOB-6
*** Symbol   : P-C-RUN
*** Value   : 208
*** =====
2 //STEP1    EXEC PGM=NOPCONTI
3 //STEPLIB DD  DISP=SHR,DSN=NOP.DEV.LOAD
*** CALLER OWNER   GFR
*** CALLER NETWORK NET-1
*** CALLER JOB     JOB-6
*** CALLER RUN     208
***

```

In this way you can find out the job making the call, that is, the job to be recovered by the recovery job.