

JCL Locations

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Physical Locations for the JCL

Entire Operations offers a broad range of possible locations for its original (master) job control. You can specify the following physical locations for JCL in the field JCL Location of the Job JCL Definition (Master) window:

JCL Location	Operating system	Description
(blank)	---	None (no JCL required)
BS2	BS2000/OSD	SAM or ISAM file Please see BS2000/OSD Specials.
LIB	OS/390	Librarian
LMS	BS2000	LMS library Please see BS2000/OSD Specials.
NAT	---	Natural source
PDS	OS/390	Partitioned file
PROC	BS2000/OSD	Callable procedure
RDR	VSE/ESA	VSE/ESA Reader Queue, for STC
VSE	VSE/ESA	VSE/ESA partial library
TXT	UNIX, Windows	Text file Please see UNIX and Windows Specials.

The NAT Location is available on each operating system.
Other locations are restricted to the operating systems specified.

Restrictions for Job Types

- Jobs of type NAT and MAC **must** be of location NAT.
- Jobs of type DUM and CYC **must not be** of any JCL location.

During definition, it is checked whether the defined JCL exists at all.
If the JCL cannot be found, a warning appears in the Job JCL Definition (Master) window.

Location on another Node

The JCL can be saved on another machine, not identical with the executing machine and even on another operating system, not identical with the executing operating system.

Replacing Symbols

In all JCL locations, you can easily replace symbols.

JCL Loc. PRC: BS2000/OSD DO Procedure

If this location has been defined, **Entire Operations** generates a BS2000/OSD Enter job in the active JCL calling this procedure.

The following rules are applied:

- The BS2000/OSD job name adopts the **Entire Operations** job name and if it is longer than 8 characters, it cuts the name to 8 characters.
- SDF statements (CALL-PROC) are used.
- The symbol table for which the job has been defined must contain all parameters of the DO procedure. The symbol values are used for calling the procedure.
- Positional and keyword parameters are supported.
- The number and the name of the parameters are automatically retrieved from the procedure (PROC / BEGIN-PROC statement).

JCL Frames for BS2000/OSD DO Procedures

For DO procedures, a user-defined JCL frame can be used. It must be saved under the name PRCFRAME in library SYSEOR. If it is not found, **Entire Operations** generates a standard frame.

Special Commands

Command	Description
#ESC-FRAME <c>	For the JCL frame, defines the escape character to replace symbols. This command must be at the top and is compulsory .
#CALL-PROC	In this case, the procedure call (/CALL-PROC) is generated.

Example

```
#ESC-FRAME $
/.SN$P-RUN LOGON SN,1
/REMARK === PRC FRAME EXAMPLE
/REMARK $AAAA YYYYYYYYYYYYYY
#CALL-PROC
/STA L
$BBBB
/LOGOFF
```

Notes:

1. All symbols used in the JCL frame must be contained in the active symbol table of the job. The active symbol table must continue to contain all symbols for calling the procedure.
2. If a symbol does not exist, job activation is discontinued.

BS2000/OSD Specials

 **To define BS2000/OSD-specific parameters**

- Press PF6 (Spec) in the Job JCL Definition (Master) window.

The following window appears:

```

Master Job Definition
BS2000 Specials, JCL

Owner ==> SN                Job Type ==> JOB Loc ==> BS2
Network ==> BS2-EX-2        JCL Node ==> 194 BS2000
Job ==> JOB-1-ASF

Default User ID ==> ASF_____ JCL User ID ==> ASF_____

LMS Member for
==> _____
LMS Member Version ==> _____ Type ==> _____

Enter-PF1-----PF3-----PF5-----PF12--
      Help           End           Save           Menu
    
```

The meaning of the input fields:

Field	Description
Default User ID	A valid, defined BS2000 logon user ID. TSOS may only be defined, if the user is under TSOS himself.
JCL User ID	If not blank, the JCL is loaded with the rights of this BS2000/OSD user ID. It can be overwritten by specific definitions. TSOS may only be defined if the user is logged on to TSOS. Default: The user ID from the fully qualified file name. (BS2000/OSD only) If left blank, then the default User ID (see Field Descriptions: BS2000/OSD Specials) is inserted, when the job is activated.
LMS Member for	BS2000/OSD, Location LMS only: This field can be used specially for long member names. If the JCL location is LMS and you leave this field blank , the short member field is used.
LMS Member Version	BS2000/OSD, Location LMS only: Enter the version of the specified LMS member. This must be exactly the same as given in LMS itself. Leading zeroes must be specified in the same way.
Type	BS2000/OSD, Location LMS only: Enter the LMS member type. Possible values: S, J, D, X.

UNIX and Windows Specials

▶ To define UNIX and Windows-specific parameters

- Press PF6 (Spec) in the Job JCL Definition (Master) window.

The following window appears:

```

                Master Job Definition
                UNIX and Windows Specials, JCL

                Owner ==> EXAMPLE           Job Type ==> MAC Loc ==> NAT
                Network ==> X60-FLOW1       JCL Node ==> 501 HP-UX
                Job ==> JOB-01

                JCL User ID ==> nop_____
                JCL Group ==> _____

                Enter-PF1-----PF3-----PF5-----PF12--
                Help      End      Save      Menu
    
```

The meaning of the input fields:

Field	Description
JCL User ID	The Entire Operations Monitor will load JCL of type TXT with the rights of this user ID.
JCL Group	If this field is left blank, the standard group of the UNIX user ID is used, as defined in /etc/passwd . Otherwise, this field must contain one of those groups issued by the UNIX command groups.
UNIX Group (optional)	If this field is left blank, the standard group of the UNIX user ID is used, as defined in /etc/passwd . Otherwise, this field must contain one of those groups issued by the UNIX command groups. This field is not relevant to Windows.