

RESOURCE-CONTROL

File	32
Op-Sys	OS/390
Statement	PROCESS
Task	This view can be used to synchronize access to resources. An application can lock and unlock resources, thus allowing synchronization of access by other applications that use the same technique.

Common Fields for all Operating Systems

Dictionary Field Name	F/L	Mu	DE	Remarks
ERROR-CODE	N3			
ERROR-TEXT	A58			
NODE	N3		D	
NODE-NAME	A16		D	
FUNCTION	A8		D	Required
SCOPE	A8		D	
QNAME	A8		D	
RNAME	A250		D	
CONTROL	A1		D	
RNAME-LENGTH	N3		D	
TCB-ADDRESS	B4			
ASID	N4			
JOB-NAME	A8			
STATUS	A4			
RESERVE-UNIT	A3		D	

Relevant Error Codes

Code	Text	OS/390
600	Unknown operation	X
610	QNAME missing	X
611	QNAME cannot start with "SYS"	X
612	RNAME missing	X
613	RNAME length missing	X
614	Resource is in use	X
615	Resource held by another task	X
616	Error in GQSCAN routine	X

Field Descriptions

Field Name	Type/Length	Operating System
ASID	(N4)	

The address space ID that enqueued.

Field Name	Type/Length	Operating System
CONTROL	(A1)	

Type of control. Possible values:

Value	Explanation
E	Default. Exclusive control.
S	Shared control.

Field Name	Type/Length	Operating System
FUNCTION	(A8)	

Possible values:

Value	Explanation
DEQ	Release resource.
ENQ-TEST	Test whether resource is available.
ENQ-USE	If resource is available, get control of it. Any resources held by a user or application are released at logoff.
LIST	List all ENQs

Field Name	Type/Length	Operating System
JOB-NAME	(A8)	

The job that enqueued.

Field Name	Type/Length	Operating System
QNAME	(A8)	

The major name of the resource. This name may not begin with SYS. See example below.

Field Name	Type/Length	Operating System
RESERVE-UNIT	(A3)	

The UCB address of the RESERVE.

Field Name	Type/Length	Operating System
RNAME	(A250)	

The minor name of the resource. See example below.

Field Name	Type/Length	Operating System
RNAME-LENGTH	(N3)	

Length of the minor name of the resource (1 - 250).

Field Name	Type/Length	Operating System
SCOPE	(A8)	

Possible values:

Value	Explanation
RESERVE	
RESPEND	Reserve pending.
STEP	
SYSTEM	
SYSTEMS	

Field Name	Type/Length	Operating System
STATUS	(A4)	

Possible values:

Value	Explanation
OWNS	Owner of resource.
WAIT	Waiting for resource.

Field Name	Type/Length	Operating System
TCB-ADDRESS	(B4)	

The TCB address of the task that enqueued.

Example:

The following Natural program displays the minor names of the resources with major name SPFEDIT enqueued for job XCOM148.

```

FIND    RESOURCE-CONTROL WITH FUNCTION = 'LIST'
      AND QNAME = 'SPFEDIT'
      AND RNAME = '*'
      WHERE JOB-NAME = 'XCOM148'
      DISPLAY RNAME (AL=79)
      END
    
```

Example output from the above program:

RNAME	

SYSM.PROCLIB	LC370LR
USAKXH.SOURCE	DLODTXGL
WKK.SYSF.SOURCE	ASMJ3
BROKER.IV100.SAGNA.JCL	\$README
BF.COMN.C.SOURCE	WRTR
BF.COMN.C.SOURCE	CCLA
USARMK.SAGNA.SOURCE	COPYPDS