

CATALOG-UPDATE

File	10
Op-Sys	OS/390, BS2000/OSD
Statement	PROCESS
Task	Perform catalog maintenance functions.

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	
SYSTEM-MESSAGE-CODE	A10			
DSNAME	A54		D	Required.

Additional Fields Supported for OS/390

Dictionary Field Name	F/L	Mu	DE	Remarks
VOLUMES	A240		D	
DEVICE	A8		D	
CVOL	A6		D	
INDEX	A8		D	
ALIAS	A8		D	
DELETE	A1		D	
EMPTY	A1		D	
NUMBER-OF-GENERATIONS	B1		D	
FILE-SEQUENCE	N3		D	
FUNCTION	A8		D	Required.

Additional Fields Supported for BS2000/OSD

Dictionary Field Name	F/L	Mu	DE	Remarks
SYSTEM-CODE	B2			
SHARE	A3		D	
BACKUP-TYPE	A1		D	
ACCESS-TYPE	A5		D	
READ-PASSWORD	A8		D	
WRITE-PASSWORD	A8		D	
EXECUTION-PASSWORD	A8		D	
AUDIT-TYPE	A4		D	
RETPD	N4		D	
ARCHIVE-OPTION	A1		D	
DESTROY	A3		D	
FGG-BASE	B2		D	
FGG-GENERATIONS	B2		D	
FGG-DISPOSITION	A8		D	
PASSWORD	A8		D	

Relevant Error Codes

Code	Text	OS/390	BS2000/OSD
530	Access denied by Security Facility.		X
531	Password missing or incorrect.		X
565	Syntax error in dataset name.		X
571	DSNAME operand missing.	X	
600	Unknown operation.	X	
602	Device is invalid.	X	
603	Index/Alias missing.	X	
604	No volumes specified.	X	
658	Dataset is not catalogued.	X	
701	DSNAME missing.		X
722	Requested dataset not found.		X
733	User ID does not exist.		X
750	Invalid operand within operand list.		X
799	Entire System Server internal error.		X

Field Descriptions

Field Name	Type/Length	Operating System
ACCESS-TYPE	(A5)	BS2000/OSD

Specifies authorized access type. Possible options:

Option	Explanation
READ	Read-only access is authorized.
WRITE	Read and write access is authorized.

Field Name	Type/Length	Operating System
ALIAS	(A8)	OS/390

Index for build/delete alias catalog operations.

Field Name	Type/Length	Operating System
ARCHIVE-OPTION	(A1)	BS2000/OSD

Specifies the ARCHIVE options:

Option	Explanation
L	Long. This is the default. The whole file is saved.
S	Short. Only changed PAM blocks are saved.

Field Name	Type/Length	Operating System
AUDIT-TYPE	(A4)	BS2000/OSD

Fixes the level of control of file access. Possible values:

Value	Explanation
NONE	Default. No accesses are monitored.
ALL	All accesses are monitored.
FAIL	Unsuccessful accesses are monitored.
SUCC	Successful accesses are monitored.

Field Name	Type/Length	Operating System
BACKUP-TYPE	(A1)	BS2000/OSD

Specifies when a file is saved by ARCHIVE. Possible options:

Option	Explanation
A	Default. File is saved with every ARCHIVE run.
B	Saved with run for Level B, C and D.
C	Saved with runs for Level C and D.
D	Saved with runs for Level D.
E	Not automatically saved.

Field Name	Type/Length	Operating System
CVOL	(A6)	OS/390

Control volume for when FUNCTION=CATLG (optional).

Field Name	Type/Length	Operating System
DELETE	(A1)	OS/390

Specify **Y** to use when cataloging generation index.

Field Name	Type/Length	Operating System
DESTROY	(A3)	BS2000/OSD

Possible options:

Option	Explanation
NO	Default. The file is not automatically destroyed when erased.
YES	Space used for file is written with X'00' when the file is erased.

Field Name	Type/Length	Operating System
DEVICE	(A8)	OS/390

Device code, for example, 3400-3. For BS2000/OSD, this only applies to file generation groups (see the STATE field).

Field Name	Type/Length	Operating System
DSNAME	(A54)	OS/390, BS2000/OSD

Fully qualified dataset name. BS2000/OSD: fully qualified file name.

Field Name	Type/Length	Operating System
EMPTY	(A1)	OS/390

Specify **Y** to use the EMPTY option when cataloging generation index.

Field Name	Type/Length	Operating System
EXECUTION-PASSWORD	(A8)	BS2000/OSD

EXECUTION password to be defined for the file. Use *NONE to reset existing password. See also the PASSWORD field.

Field Name	Type/Length	Operating System
FGG-BASE	(B2)	BS2000/OSD

File generation groups only: base for relative access to files of FGG.

Field Name	Type/Length	Operating System
FGG-DISPOSITION	(A8)	BS2000/OSD

File generation groups only: describes what to do, if maximum number of generations is reached. Possible values:

Value	Explanation
CYCLE	(Default)
DELETE	
KEEP	
REUSE	

Field Name	Type/Length	Operating System
FGG-GENERATIONS	(B2)	BS2000/OSD

File generation groups only: number of generations.

Field Name	Type/Length	Operating System
FILE-SEQUENCE	(N3)	OS/390

Used for tape files. This value is used for the first volume only.

Field Name	Type/Length	Operating System
FUNCTION	(A8)	OS/390

Function to be performed. Possible values:

Value	Explanation
BLDA	Build an alias for an index.
BLDG	Build a generation index.
BLDX	Build an index.
CATLG	Catalog new entry.
CONNECT	Connect CVOLs.
DISCONN	Disconnect CVOLs.
DLTA	Delete an alias for an index.
DLTX	Delete an index.
RECATLG	Recatalog an existing entry.
UNCATLG	Remove a catalog entry.

Field Name	Type/Length	Operating System
INDEX	(A8)	OS/390

Index for various index-related catalog functions.

Field Name	Type/Length	Operating System
NUMBER-OF-GENERATIONS	(B1)	OS/390

Number of generations to maintain in generation index.

Field Name	Type/Length	Operating System
PASSWORD	(A8)	BS2000/OSD

If the file is already password-protected, the actual password needed for write access must be specified here.

Field Name	Type/Length	Operating System
READ-PASSWORD	(A8)	BS2000/OSD

READ password (4 bytes) to be defined for the file. Use *NONE to reset existing password. See also the PASSWORD field.

Field Name	Type/Length	Operating System
RETPD	(N4)	BS2000/OSD

Number of days the file must remain unchanged. Default is 0.

Field Name	Type/Length	Operating System
SHARE	(A3)	BS2000/OSD

Specifies whether other users can access files. Possible options:

Option	Explanation
NO	Other users are not authorized.
YES	Other users are authorized.

Field Name	Type/Length	Operating System
VOLUMES	(A240)	OS/390

Volume list. The maximum is 40 entries of 6 bytes each.

Field Name	Type/Length	Operating System
WRITE-PASSWORD	(A8)	BS2000/OSD

WRITE password to be defined for the file. Use *NONE to reset existing password. See also the PASSWORD field.

