

READ-SPOOL

File	12
Op-Sys	OS/390, VSE/ESA
Statement	FIND
Task	Read SYSOUT from spool. This view retrieves records from JES (OS/390) or POWER (VSE/ESA). Use the SPOOL-FILES view to retrieve a list of spool files relating to the specified job before executing READ-SPOOL.

Common Fields for all Operating Systems

Dictionary Field Name	F/L	Mu	DE	Remarks
ERROR-CODE	N3			
ERROR-TEXT	A58			
NODE	N5		D	
NODE-NAME	A16		D	
JOB-NAME	A8		D	Required, if JOB-NUMBER is blank.
JOB-NUMBER	N7		D	Required, if JOB-NAME is blank
JOB-ID	A8		D	Required, if JOB-NAME and JOB-NUMBER are blank.
RECORD-NUMBER	N7		D	
TYPE	A2		D	Required.
RECORD-LENGTH	N5		D	
RECORD	A253		D	
POSITION	B1		D	
DATA-SET-KEY	N7		D	
SCAN	A3		D	
SCAN-LIMIT	N7		D	
SCAN-TYPE	A1		D	
SCAN-LENGTH	N3		D	Only relevant if SCAN-TYPE=A
SCAN-COLUMN-FROM	N3		D	Only relevant if SCAN-TYPE=A
SCAN-COLUMN-TO	N3		D	Only relevant if SCAN-TYPE=A
TIME-LIMIT	N5		D	

Additional Fields Supported for OS/390

Dictionary Field Name	F/L	Mu	DE	Remarks
DATA-SET	N5		D	
SEGMENT-NUMBER	N3		D	
SEGMENT-LENGTH	N3		D	

Additional Fields Supported for VSE/ESA

Dictionary Field Name	F/L	Mu	DE	Remarks
CONTROL-RECORDS	A3		D	
RECORD-TYPE	B1		D	This field is only relevant, if CONTROL-RECORDS=YES.
INTERNAL-RECORD-NUMBER	N7		D	
SEGMENT-NUMBER	N3		D	

Relevant Error Codes

Code	Text	OS/390	VSE/ESA
533	Requested number of records scanned.	X	X
537	Time limit reached.	X	X
680	Job/Output is protected.		X
681	Job/Output is active.		X
682	Job/Output not dispatchable.		X
699	GETVIS storage request has failed.		X
711	Logical Error occurred in Common JES Interface.	X	
712	Request to Common JES Interface failed.	X	
713	Jobname and Job ID missing. One of them required.	X	
715	Duplicate jobnames found. Please specify job ID.	X	
719	Unable to :1: SYSOUT dataset.	X	
720	Invalid type. Must be CC/RD/LS/PU/XM.		X
722	Requested dataset not found.	X	
723	Requested job in input queue.	X	
724	Requested job not found.	X	X
728	You are not allowed to see this job.	X	
731	Error occurred during spool get.	X	
781	Unable to obtain storage for work area extension.	X	
830	JES interface is not active.	X	
830	POWER interface is not active.		X

Field Descriptions

Field Name	Type/Length	Operating System
CONTROL-RECORDS	(A3)	VSE/ESA

Specifies whether control records are to be returned. Possible options:

Option	Explanation
NO	Control records are not returned.
YES	Default. Control records are returned.

Field Name	Type/Length	Operating System
DATA-SET	(N5)	OS/390

Requested dataset number (see also the DATA-SET-KEY field).

Field Name	Type/Length	Operating System
DATA-SET-KEY	(N7)	OS/390, VSE/ESA

Unique dataset identification. This offers much faster access than the dataset number. The dataset key can be obtained using the SPOOL-FILES view.

Field Name	Type/Length	Operating System
INTERNAL-RECORD-NUMBER	(N7)	VSE/ESA

Internal record number as returned by POWER.

Field Name	Type/Length	Operating System
JOB-NAME	(A8)	OS/390, VSE/ESA

Name of job. If you do not specify a job name, you must specify the JOB-NUMBER field.

Field Name	Type/Length	Operating System
JOB-ID	(A8)	OS/390, VSE/ESA

Job number in alphanumeric format.

Field Name	Type/Length	Operating System
JOB-NUMBER	(N7)	OS/390, VSE/ESA

Job number assigned by the spooling system. If you do not specify a job number, you must specify the JOB-NAME field.

Field Name	Type/Length	Operating System
POSITION	(B1)	OS/390, VSE/ESA

Offset in spool record (the RECORD field contains spool record starting at this offset).

Field Name	Type/Length	Operating System
RECORD	(A253)	OS/390, VSE/ESA

Spool record to be searched (see also the POSITION field).

Field Name	Type/Length	Operating System
RECORD-LENGTH	(N5)	OS/390, VSE/ESA

Length of entire spool record (not the segment length).

Field Name	Type/Length	Operating System
RECORD-NUMBER	(N7)	OS/390, VSE/ESA

Relative record number from start of dataset.

Field Name	Type/Length	Operating System
RECORD-TYPE	(B1)	VSE/ESA

Record type of spool record. This field is relevant if CONTROL-RECORDS=YES. This field contains the type of record returned. Possible values:

Option	Explanation
X'00'	Normal data record.
X'05'	Control command record.

Field Name	Type/Length	Operating System
SCAN	(A3)	OS/390, VSE/ESA

If you specify YES, the first record which meets the selection criteria and all subsequent records are returned.

Field Name	Type/Length	Operating System
SCAN-COLUMN-FROM	(N3)	OS/390, VSE/ESA

Specifies the column number where the scan is to start. Default is column 1.

Note:

Only relevant if SCAN-TYPE=A.

Field Name	Type/Length	Operating System
SCAN-COLUMN-TO	(N3)	OS/390, VSE/ESA

Specifies the column number where the scan is to end. Default is the end of the record.

Note:

Only relevant if SCAN-TYPE=A.

Field Name	Type/Length	Operating System
SCAN-LENGTH	(N3)	OS/390, VSE/ESA

Specifies how much of the string in the RECORD field is to be scanned.

Note:

Only relevant if SCAN-TYPE=A.

Field Name	Type/Length	Operating System
SCAN-LIMIT	(N7)	OS/390, VSE/ESA

Maximum number of records to be scanned before a record is found that matches the search criteria. If this limit is reached and no matching record is found, ERROR-CODE 533 with the appropriate text is returned.

Field Name	Type/Length	Operating System
SCAN-TYPE	(A1)	OS/390, VSE/ESA

Specify **A** for an absolute search. Note that wildcard symbols (* and _) are then treated as normal characters.

Field Name	Type/Length	Operating System
SEGMENT-LENGTH	(N3)	OS/390

Length of segment of spool record. If this field is not specified or zero, only the first segment will be returned, even if the spool record is longer than the RECORD area.

Field Name	Type/Length	Operating System
SEGMENT-NUMBER	(N3)	OS/390, VSE/ESA

Segment number of spool record to be retrieved, if the output is segmented.

OS/390: Segment number within record.

VSE/ESA: Segment number of spool record to be retrieved, if the output is segmented.

Field Name	Type/Length	Operating System
TIME-LIMIT	(N5)	OS/390, VSE/ESA

Specifies the maximum number of seconds that a record can be scanned. If this limit is exceeded and no match is found, ERROR-CODE 537 is returned.

Field Name	Type/Length	Operating System
TYPE	(A2)	OS/390, VSE/ESA

Spool dataset type. Possible values:

OS/390		
AL	=	Read all SM/SO files as one file.
CC	=	Summary of job steps and completion codes.
JL	=	Input JCL.
SI	=	SYSIN data.
S	=	System messages.
S	=	SYSOUT data.

VSE/ESA		
A	=	Read all SM/SO files as one file.
C	=	Summary of job steps and completion codes.
LS	=	List queue.
PU	=	Punch queue.
RD	=	Reader queue.
XM	=	Transmit queue.

Default Order of Data Returned

Records are returned in order from the start of the SYSOUT data set.