

# TAPE LAYOUT

The medium contains the following three data sets. The LOAD and SRCE data sets were written by the utility program IEBCOPY; the ERRN data set was written by the utility program IEBGENER.

The notation *nnn* represents the version, release and SM level. Space requirements apply to a 3390-type DASD.

Dataset	Contents	Format	Space requirements
SQL <i>nnn</i> .LOAD	Preprocessor load modules	RECFM =U BLKSIZE =6447 DSORG =PO	approx. 4 cylinders
SQL <i>nnn</i> .SRCE	Preprocessor source modules and sample programs	RECFM =FB LRECL =80 BLKSIZE =4000 DSORG =PO	approx. 1 cylinder
SQL <i>nnn</i> .ERRN	Preprocessor error messages	RECFM =VB LRECL =4624 BLKSIZE =4628 DSORG =PS	approx. 4 tracks

The data set SQL*nnn*.LOAD contains the following members:

Name	Description
ADASQLA	The executable Adabas Native SQL preprocessor (load module) that generates Ada code.
ADASQLC	The executable Adabas Native SQL preprocessor (load module) that generates COBOL code.
ADASQLF	The executable Adabas Native SQL preprocessor (load module) that generates FORTRAN code.
ADASQLP	The executable Adabas Native SQL preprocessor (load module) that generates PL/I code.
FCID	Module that dynamically generates command-IDs during execution of the application program. Used in FORTRAN programs.
FINDCID	Module that dynamically generates command-IDs during execution of the application program. Used in Ada, COBOL and PL/I programs.
PRPABEND	This module is used to abend an application program if an error occurred.
PRTFLOW	Module that prints a flow-trace of all executed Adabas Native SQL statements during the execution of the application program if MODE FLOW is set (object module, COBOL).
PRTRACE	Module that traces the record buffers and format buffers during the execution of the application program if MODE TRACE is set (object module, COBOL).
RESPINT	The response code interpretation routine (object module, COBOL).
SQTODATE	Routine which converts numeric date to format D number.
SQFRDATE	Routine which converts format D number to numeric date.
SQTOTIME	Routine which converts numeric date and numeric time to format T number.
SQFRTIME	Routine which converts format T number to numeric date and numeric time.

The dataset SQL $nnn$ .SRCE contains the following members:

Name	Description
ADAGO	A sample JCL procedure to preprocess, compile, link and execute an Ada program.
AEX1...AEX3	Ada examples using various Adabas Native SQL statements.
ADAPARM	Adabas runtime parameters.
CEX1...CEX3	COBOL examples using various Adabas Native SQL statements.
CEXC	A COBOL example using Adabas Native SQL under CICS.
COBOLGO	A sample JCL procedure to preprocess, compile, link and execute a COBOL program.
FEX1...FEX3	FORTRAN examples using various Adabas Native SQL statements.
FORTGO	A sample JCL procedure to preprocess, compile, link and execute a FORTRAN program.

Name	Description
GO	A sample JCL procedure to preprocess an Ada, COBOL, FORTRAN or PL/I program. The sub-procedure ASQL must be called with parameter SQL = "ADASQLA" (Ada), "ADASQLC" (COBOL), "ADASQLF" (FORTRAN) or "ADASQLP" (PL/I) as appropriate. Also, the global parameter LANG must be set to the correct value.
LINKSQL	A sample JCL procedure to link Adabas Native SQL.
PEX1...PEX3	PL/I examples using various Adabas Native SQL statements.
PLIGO	A sample JCL procedure to preprocess, compile, link and execute a PL/I program.
PRTFLO	The source code of the routine that prints a flow-trace of all executed Adabas Native SQL statements during the execution of the program if MODE FLOW is set (FORTRAN).
PRTFLOP	The source code of the routine that prints a flow-trace of all executed Adabas Native SQL statements during the execution of the program if MODE FLOW is set (PL/I).
PRTFLOW	The source code of the routine that prints a flow-trace of all executed Adabas Native SQL statements during the execution of the program if MODE FLOW is set (COBOL).
PRTRAC	The source code of the routine that traces the record buffers and format buffers during the execution of the application program if MODE TRACE is set (FORTRAN).
PRTRACE	The source code of the routine that traces the record buffers and format buffers during the execution of the application program if MODE TRACE is set (COBOL).
PRTRACP	The source code of the routine that traces the record buffers and format buffers during the execution of the application program if MODE TRACE is set (PL/I).
PRTRCICS	The source code of the routine that traces the record buffers and format buffers during the execution of the application program if MODE TRACE is set (COBOL; for use in CICS programs).
RESPCICS	The source code of the response code interpretation routine (COBOL; for use in CICS programs).
RESPF	The source code of the response code interpretation routine (FORTRAN).
RESPINT	The source code of the response code interpretation routine (COBOL).
RESPPL1	The source code of the response code interpretation routine (PL/I).
SQFRDATE	Routine which converts format D number to numeric date.
SQFRTIME	Routine which converts format T number to numeric date and numeric time.
SQTODATE	Routine which converts numeric date to format D number.
SQTOTIME	Routine which converts numeric date and numeric time to format T number.
TYPESADA	Data definitions for use in Ada programs.

If necessary, the source module RESPCICS (COBOL/CICS), RESPF (FORTRAN), RESPINT (COBOL) or RESPPL1 (PL/I) may be edited to accommodate installation-specific requirements. The original source modules should be retained for future reference.