

TAPE LAYOUT

The tape contains the following files. The notation *nnn* represents the version, release and SM level.

File	Format	Contents	Space Requirements
SQL <i>nnn</i> .LIBR	RECFM =U BLKSIZE =16632	z/VSE BACKUP for Adabas Native SQL	approx. 30 blocks
SQL <i>nnn</i> .ERRN	RECFM =VB BLKSIZE =4628 LRECL =4624	The Adabas Native SQL preprocessor error messages. It was created using the utility program ERRLODUS.	approx. 280 blocks

The library contains the following phases:

Name	Description
ADASQLA.PHASE	The executable Adabas Native SQL preprocessor (load module) that generates Ada code.
ADASQLC.PHASE	The executable Adabas Native SQL preprocessor (load module) that generates COBOL code.
ADASQLF.PHASE	The executable Adabas Native SQL preprocessor (load module) that generates FORTRAN code.
ADASQLP.PHASE	The executable Adabas Native SQL preprocessor (load module) that generates PL/I code.

The library contains the following obj's:

Name	Description
APPEX1DA.OBJ	An Adabas Native SQL module (Ada).
APPEX1DC.OBJ	An Adabas Native SQL module (COBOL).
APPEX1DF.OBJ	An Adabas Native SQL module (FORTRAN).
APPEX1DP.OBJ	An Adabas Native SQL module (PL/I).
APPEX2S.OBJ	An Adabas Native SQL module.
APPEX3S.OBJ	An Adabas Native SQL module.
APPMSG.OBJ	An Adabas Native SQL module.
APPTIME.OBJ	An Adabas Native SQL module.
ASQL1A.OBJ	An Adabas Native SQL module (Ada).
ASQL1C.OBJ	An Adabas Native SQL module (COBOL).
ASQL1F.OBJ	An Adabas Native SQL module (FORTRAN).
ASQL1P.OBJ	An Adabas Native SQL module (PL/I).
CMDIX.OBJ	Module that generates the names of the record buffer.
FGFID.OBJ	Module that generates a global format ID.
FJOBNAME.OBJ	Module that gets the job name.
PRPABEND.OBJ	This module is used to abend an application program if an error occurred.
PRTRACE.OBJ	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.OBJ	The response code interpretation routine (object module, COBOL).
SQFRDATE.OBJ	Routine which converts format D number to numeric date.
SQFRTIME.OBJ	Routine which converts format T number to numeric date and numeric time.
SQTODATE.OBJ	Routine which converts numeric date to format D number.
SQTOTIME.OBJ	Routine which converts numeric date and numeric time to format T number.

The library contains the following sources:

Name	Description
AEX1.A....AEX3.A	Ada examples using various Adabas Native SQL statements.
TYPESADA.A	Data definitions for use in Ada programs. This file must be compiled before using the Adabas Native SQL preprocessor with Ada source programs.
CEX1.C...CEX3.C	COBOL examples using various Adabas Native SQL statements.
CEXC.C	A COBOL example using Adabas Native SQL under CICS.
PRTFLOW.C	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).

Name	Description
PRTRACE.C	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).
PRTRCICS.C	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.C	The source code of the response code interpretation routine (COBOL; for use in CICS programs).
RESPINT.C	The source code of the response code interpretation routine (COBOL).
SQFRDATE.C	Routine which converts format D number to numeric date.
SQFRTIME.C	Routine which converts format T number to numeric date and numeric time.
SQTODATE.C	Routine which converts numeric date to format D number.
SQTOTIME.C	Routine which converts numeric date and numeric time to format T number.
FEX1.F...FEX3.F.F	FORTRAN examples using various Adabas Native SQL statements.
PRTFLO.F	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).
PRTRAC.F	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).
RESPF.F	The source code of the response code interpretation routine (FORTRAN).
PEX1.P...PEX3.P	PL/I examples using various Adabas Native SQL statements.
PRTFLOP.P	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).
PRTRACP.P	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).
RESPPL1.P	The source code of the response code interpretation routine (PL/I).

If necessary, the source modules may be edited to accommodate installation-specific requirements. The original source modules should be retained for future reference.

The members ADASQL.J and SQLJCL.J contain the following procedures with parameterized data. The parameters are documented.

Name	Procedures
ADASQL.J	A sample JCL procedure to link Adabas Native SQL. A sample procedure to generate the procedure SQLLIBS with the utility MAINT.
SQLJCL.J	A sample JCL procedure to preprocess, compile, link and execute an Ada program. A sample JCL procedure to preprocess, compile, link and execute a COBOL program. A sample JCL procedure to preprocess, compile, link and execute a FORTRAN program. A sample JCL procedure to preprocess, compile, link and execute a PL/I program. A sample JCL procedure to preprocess an Ada, COBOL, FORTRAN or PL/I program. The sub-procedure ASQL must be called with one of the following parameters as appropriate : "SQL='ADASQLA.PHASE'" (Ada) "SQL='ADASQLC.PHASE'" (COBOL) "SQL='ADASQLF.PHASE'" (FORTRAN) "SQL='ADASQLP.PHASE'" (PL/I) Also, the global parameter LANG must be set to the correct value.