**APPENDIX**

# *3*

# SAS/ACCESS Supported Features on Version 8 Host Environments

## Introduction

This section lists the SAS/ACCESS features that are supported on each operating system and host in Version 7 and Version 8 of SAS/ACCESS Software for Relational Databases. Consult your SAS representative to determine which versions of your DBMS are supported. If your platform is not listed, consult your SAS representative for details; a Custom Access Solution might be available.

*Note:* Unless otherwise noted, "all features" indicates that the interface contains the following SAS/ACCESS features: △

☐ *SAS/ACCESS LIBNAME statement engine (beginning in Version 7):* SAS libraries can be dynamically assigned, and metadata about DBMS tables is dynamically returned to the SAS System. DBMS tables can be listed, read, updated, deleted, and created.

☐ *SQL Procedure Pass-Through Facility:* The interface supports the SQL procedure statements CONNECT, EXECUTE, SELECT, and DISCONNECT. The native DBMS SQL language is used to query the DBMS server directly. Beginning in Version 7, many new options are available on the CONNECT statement, as well as embedded LIBNAME statements in PROC SQL views.

☐ *ACCESS Procedure:* The user can create access and view descriptors that are customized views of the data in a DBMS table. SAS programs can use these descriptors to read and update the DBMS tables. This procedure uses line mode syntax.

☐ *DBLOAD Procedure:* The user can create, load, and append to DBMS tables. Any SAS data file can be used as the input data for the DBLOAD procedure. This procedure uses line mode syntax.

☐ *Interface view engine:* Descriptors created with the ACCESS procedure can be used to read and update data in a table. Only SAS names up to 8 characters are supported.

☐ *DATA step interface engine:* Users can use DBMS data in SAS in DATA step functions. *This engine is not available to DBMS interfaces in the SAS/ACCESS Software for Relational Databases.*

Some interfaces and host environments also support the following features, where noted:

- □ *CV2ODBC Procedure:* See *SAS/ACCESS Software for Relational Databases: Reference (ODBC Chapter)* for more information.
- □ *DBF Procedure:* See *SAS/ACCESS Software for PC File Formats: Reference* for more information.
- □ *DIF Procedure:* See *SAS/ACCESS Software for PC File Formats: Reference* for more information.
- □ *QUEST Procedure:* See your SYSTEM 2000 documentation for more information.
- □ *SAS/ACCESS to PC File Formats:* See *SAS/ACCESS Software for PC File Formats: Reference* for more information.

# SAS/ACCESS Features on Mainframe Hosts

Table A3.1 on page 260 lists the SAS/ACCESS features available on OS/390 and CMS. Consult your SAS representative for additional details.

**Table A3.1**    Mainframe Hosts: CMS and OS/390

|  | OS/390 | CMS |
|---|---|---|
| SAS/ACCESS Interface to DB2 | All features. | Not supported. |
| SAS/ACCESS Interface to ORACLE | All features. | All features. |
| SAS/ACCESS Interface to Teradata | SAS/ACCESS LIBNAME statement and PROC SQL Pass-Through only. | Not supported. |
| SAS/ACCESS Interface to CA-IDMS | DATA step interface only. | Not supported. |
| SAS/ACCESS Interface to IMS-DL/I | DATA step interface, interface view engine, and PROC ACCESS only. | Not supported. |
| SAS/ACCESS Interface to PC File Formats | PROC DBF only. | Not supported. |

# SAS/ACCESS Features on UNIX Hosts

Table A3.2 on page 260 and Table A3.3 on page 261 list the SAS/ACCESS features available on UNIX platforms. Consult your SAS representative for additional details.

**Table A3.2**    UNIX Hosts: HP/UX and Solaris2

|  | HP/UX | Solaris2 |
|---|---|---|
| SAS/ACCESS Interface to CA-OpenIngres | All features. | All features. |
| SAS/ACCESS Interface to DB2 Under UNIX and PC Hosts | All features except PROC ACCESS. | All features except PROC ACCESS. |

| | | |
|---|---|---|
| SAS/ACCESS Interface to Informix | All features except PROC ACCESS and PROC DBLOAD. | All features except PROC ACCESS and PROC DBLOAD. |
| SAS/ACCESS Interface to ODBC | All features except PROC ACCESS. | All features except PROC ACCESS. |
| SAS/ACCESS Interface to ORACLE | All features. | All features. |
| SAS/ACCESS Interface to SYBASE | All features. | All features. |
| SAS/ACCESS Software for PC File Formats | PROC DIF and PROC DBF only. | PROC DIF and PROC DBF only. |

**Table A3.3** UNIX Hosts: AIX (RS/6000), Digital UNIX (AIX OSF/1)

| | AIX (RS/6000) | Digital UNIX (AXP/OSF1) |
|---|---|---|
| SAS/ACCESS Interface to CA-OpenIngres | All features. | All features. |
| SAS/ACCESS Interface to DB2 Under UNIX and PC Hosts | All features except PROC ACCESS. | Not supported. |
| SAS/ACCESS Interface to Informix | All features except PROC ACCESS and PROC DBLOAD. | Not supported. |
| SAS/ACCESS Interface to ODBC | All features except PROC ACCESS. | All features except PROC ACCESS. |
| SAS/ACCESS Interface to ORACLE | All features. | All features. |
| SAS/ACCESS Interface to SYBASE | All features. | All features. |
| SAS/ACCESS Software for PC File Formats | PROC DIF and PROC DBF only. | PROC DIF and PROC DBF only. |

# SAS/ACCESS Features on PC Hosts

Table A3.4 on page 261 lists the SAS/ACCESS features available on OS/2, Windows 95, Windows 98, and Windows NT. Consult your SAS representative for additional details.

**Table A3.4** PC Hosts: OS/2, Windows 95, Windows 98, and Windows NT

| Interface | OS/2 | Windows 95, 98 | Windows NT |
|---|---|---|---|
| SAS/ACCESS Interface to DB2 Under UNIX and PC Hosts | All features. | All features except PROC ACCESS. | Not supported; DB2 can be accessed via SAS/ACCESS Interface to ODBC. |
| SAS/ACCESS Interface to ODBC | All features except PROC ACCESS. | All features except PROC ACCESS. | All features except PROC ACCESS. |

| | | | |
|---|---|---|---|
| SAS/ACCESS interface to OLE DB | Not supported. | SAS/ACCESS LIBNAME and PROC SQL Pass-Through facility only. | SAS/ACCESS LIBNAME and PROC SQL Pass-Through facility only. |
| SAS/ACCESS Interface to ORACLE | All features. | All features. | All features. |
| SAS/ACCESS Interface to SYBASE | Not supported. | All features. | All features. |
| SAS/ACCESS Interface to Teradata | | SAS/ACCESS LIBNAME and PROC SQL Pass-Through facility only. | SAS/ACCESS LIBNAME and PROC SQL Pass-Through facility only. |
| SAS/ACCESS Software for PC File Formats | All features. | All features. | All features. |

*Note:* The SAS/ACCESS interface to PC File formats now includes access to MS Access and Excel 4, 5 and 97 files. For details, see *SAS/ACCESS Software for PC File Formats: Reference*. △

# SAS/ACCESS Features on OpenVMS Hosts

Table A3.5 on page 262 lists the SAS/ACCESS features available on OpenVMS VAX and OpenVMS Alpha. Consult your SAS representative for additional details.

**Table A3.5**   VMS Hosts: OpenVMS VAX and OpenVMS Alpha

| | OpenVMS VAX | OpenVMS Alpha |
|---|---|---|
| SAS/ACCESS Interface to CA-OpenIngres | All features. | All features. |
| SAS/ACCESS Interface to ORACLE | All features. | All features. |
| SAS/ACCESS Interface to SYBASE | All features. | All features. |
| SAS/ACCESS Interface to Oracle Rdb | All features except LIBNAME statement. | All features except LIBNAME statement. |

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