CHAPTER

14

UNIX Operating Environment

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Specifying File Attributes for UNIX

You may specify transport file attributes by using FTP or FTP access method options in the FILENAME statement, whichever is applicable. For details about the syntax for the FILENAME statement, see *SAS Companion for UNIX Environments*. For details about using FTP, see "Using the FILENAME Statement to Specify File Attributes for All Hosts" on page 32.

Determining the SAS Release Used to Create a Member

This table identifies the supported file types that are created on the UNIX host by member and SAS release:

Table 14.1 UNIX Filename Extensions by Member and SAS Release

Member Type	Version 6 Filename Extension	Version 8 Filename Extension
SAS	.sas	.sas
PROGRAM (DATA step)	.ssp*nn*	.sas7bpgm
DATA	.ssd*nn*	.sas7bdat
INDEX	.snx*nn*	.sas7bndx
CATALOG	.sct*nn*	.sas7bcat
MDDB	.ssm*nn*	.sas7bmdb
DMDB	.snm*nn*	.sas7bdmd
PROC SQL view	.snv*nn*	.sas7bvew

where: *nn* is an extension that is used to differentiate among UNIX host architectures. Here are the extensions and UNIX host groups:

Table 14.2 UNIX Host Filename Extensions

SAS Filename Extension *nn*	UNIX Host Group	Supported by SAS Release			
		6.09	6.10	6.11	6.12
01	HP-UX	•	n/a	•	•
	Sun	•	n/a	•	•
	Solaris	•	n/a	•	•
	AIX	•	n/a	•	•
	MIPS ABI	n/a	•	•	n/a
02	ULTRIX	•	n/a	n/a	n/a
	INTEL-ABI	•	n/a	•	•
04	COMPAQ Digital UNIX	n/a	•	•	•

Version 8 and Version 7 filename extensions are identical.

Because data sets are interchangeable among HP-UX, Sun, Solaris, AIX, and MIPS hosts, the creation of a transport file for moving among them is not necessary. Catalogs are interchangeable among HP-UX, Sun, Solaris, and MIPS hosts. However, you must create a transport file in order to move a catalog between an AIX host and any other UNIX host.

Furthermore, you can use the CONTENTS procedure to display information about the data, which identifies the member and the engine that was used to create it.

Here is an excerpt of typical PROC CONTENTS output:

```
    The SAS System
    The CONTENTS Procedure
Data Set Name: TEST.RECORDS
Member Type:   DATA
Engine:        V8
```

The output reports that the data set TEST.RECORDS is a member of type DATA that was created with the V8 engine.

Creating a Transport File on Tape

In order to create a transport file on tape, at the source host, use either the LIBNAME statement or the FILENAME statement, whichever is appropriate, to designate the file path as a tape device. Here are examples:

```
libname tranfile xport '/dev/tape1';
filename tranfile '/dev/tape1';
```

Copying the Transport File from Disk to Tape at the UNIX Source Host

In order to copy a transport file from disk to tape at the source host, issue the UNIX **dd** command. Here is an example:

```
dd if=tranfile of=/dev/tape1 bs=8000
```

dd
copies the specified input file to the specified output device.

if=tranfile
specifies the input file (or transport file).

of=/dev/tape1
specifies the output file (or tape device).

bs=8000
specifies the input file and output file block size as 8000.

See the **dd**(1) manual page for more details.

Copying the Transport File from Tape to Disk at the Target Host

In order to copy a transport file from tape to disk at the target host, issue the UNIX **dd** command. Here is an example:

```
dd if=/dev/tape1 of=tranfile bs=8000
```

where:

dd
copies the specified input file to the specified output device.

if=/dev/tape1
specifies the input file (or tape device).

of=tranfile
specifies the output file.

bs=8000
specifies the input file and output file block size as 8000.

See the **dd**(1) manual page for more details.

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