ABS Tech Note: AWS27 Configuration Changes In A/UX 3.1 (6/94)

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TOPIC --

In A/UX 3.1, the following changes have been made to the File/Print and Database
configurations. In general, these changes have been made to make the two
configurations more similar -- hopefully decreasing customer confusion.

DISCUSSION ---

Disk Partitions

• The size of the MacPartition (boot volume) on both configurations has
  been increased to 10 MB. This size will support a full install of System
  7.1, if necessary.

• The size of the swap partition in the File/Print configuration has been
  increased to 51 MB, the same size as the Database configuration.

With these changes, the only difference between the disk partitions on the two
configurations is that the Database configuration includes two 10 MB "raw"
database partitions. Therefore, on an identical drive, the UNIX Root&Usr
partition (slice 0) would be 20 MB smaller in the Database configuration.
Figures 1 and 2 show the partition map of a 1 GB drive loaded with the default
Database and File/Print configurations, respectively.

```
                     -----------------------
       16 K          | Mac Driver           |
                     -----------------------
                     |                      |
                     |                      |
                     |                      |
    946578 K         | UNIX Root & Usr      |
                     |  slice 0             |
                     |                      |
                     |                      |
                     |                      |
                     -----------------------
     52224 K         | Swap                 |
                     -----------------------
     10240 K         | Database Partition   |
                     -----------------------
```

```
    10240 K     | Database Partition    |
                 -----------------------
    10240 K     | Mac Partition         |
                 -----------------------
```

Figure 1. Database Partitions on 1 GB Drive


```
                 -----------------------
     16 K        | Mac Driver            |
                 -----------------------
                 |                     |
                 |                     |
                 |                     |
    967058 K     | UNIX Root & Usr       |
                 |  slice 0              |
                 |                     |
                 |                     |
                 |                     |
                 |                     |
                 |                     |
                 |                     |
                 |                     |
                 -----------------------
    52224 K      | Swap                  |
                 -----------------------
    10240 K      | Mac Partition         |
                 -----------------------
```

Figure 2. File/Print Partitions on 1 GB Drive

Installer Packages

The default set of packages is now identical for both configurations; they are
listed in Table 1. These packages were selected based on customer feedback.

Package	Size
Core A/UX System	45 MB
Networking Capability	4 MB
Network Server Capability	1 MB
Manual Pages	4 MB
Basic C Programming	4 MB
Extended C Programming	2 MB
More UNIX Utilities	1 MB
UNIX Printing Utilities	1 MB
Debugging & Version Control	1 MB

Table 1. Default A/UX 3.1 Packages

Content of the Core Package

There are only two differences between the content of the packages in the two
configurations. The user can switch between the two configurations using the
shell script config_server, which is new in A/UX 3.1.

The values of a few of the kernel configuration parameters are different (These
defaults have not changed since 3.0.1.). Table 2 details these settings; see
kconfig(1) for more information.

| | Database | File/Print |
Kernel Parameter	Configuration	Configuration
NBUF	0	-1
NCALL	150	500
NFILE	1024	7500
NINODE	1024	7500

        Table 2 Default A/UX 3.1 Kernel Parameters

Finally, the File/Print configuration includes the Autologin file, which
bypasses the Login screen; for more information, see Autologin(4).

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