

This technical note discusses how to change your Apple® Workgroup Server 95 Database Server running Oracle 7 to a File/Print Server running AppleShare Pro.

## Introduction

Changing to a Apple Workgroup Server 95 File/Print Server requires the following steps to be taken:

- 1) Verify that you have a minimum of 32MB of DRAM, and Hard Drive capacity of 500MB or larger (A minimum size of 500MB is recommended )
- 2) Verify that you have the *Apple System Software Installer Database Service Environment for AWS95* CD
- 3) Verify that you have the *AppleShare Pro Installer Version 1.0 for AWS95* CD
- 4) Backup your Apple Workgroup Server 95 Database Server and your applications (the hard drive will be partitioned and all old data will be lost)
- 5) Using the Apple HD SC Setup v3.0.1 (A/UX), partition the hard drive for File Server System
- 6) Install the following Apple Workgroup Server 95 A/UX software:
  - Core A/UX System from *Apple System Software Installer Database Service Environment for AWS95* CD
  - AppleShare Pro from *AppleShare Pro Installer Version 1.0 for AWS95* CD
- 7) Configure A/UX 3.0.1 kernel for Apple Workgroup Server 95 File/Print Server
- 8) Reconfigure any custom A/UX changes that were previously in place, e.g. IP address.
- 9) Restore your applications

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### **Database Server Backup**

Backup of the Database Server should be accomplished by following your site's backup procedures. We recommend using Retrospect for this purpose. For information on how to use Retrospect, refer to the *Retrospect User's Guide*.

### **Apple Workgroup Server 95 Cache Settings**

You must ensure your Apple Workgroup Server 95 has adequate cache settings to be configured

for your specific needs. For more information on cache settings, refer to the technical note *AWS03:AWS95 Configuration & Sizing Guide*.

### **A/UX Kernel Configuration**

Configure A/UX 3.0.1 kernel for the AWS95 File/Print Server, by tuning the following kernel parameters with the given values, using the *kconfig* command. Open the Command Shell window

and do the following steps:

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- 1) Type *kconfig* Press *enter*
- 2) Type *NBUF = -1* Press *enter*
- 3) Type *NCALL = 500* Press *enter*
- 4) Type *NFILE = 7500* Press *enter*
- 5) Type *NINODE = 7500* Press *enter*
- 6) Press *ctrl-D* to get back to Command Shell

For the *kconfig* changes to become effective, you must shut the system down and then restart the system.

For detailed information on *kconfig*, please refer to the on-line man page on *kconfig*. For more information on Kernel parameters defaults and deltas for Apple Workgroup Server 95 File/Print and Database Configuration, refer to the technical note *AWS08:Kernel Parameters (kconfig) defaults & Deltas for AWS95 File/Print and Database Server Configuration*.

### **Hard Drive Partitioning for Apple Workgroup Server 95 File/Print Server**

At the Apple Workgroup Server 95 do the following steps:

- 1) Restart the Apple Workgroup Server 95 from the A/UX 3.0.1 *Installation Boot Disk*
- 2) Insert the *Apple System Software Installer Database Service Environment for AWS95* CD into the CD-ROM.
- 3) At the A/UX Easy Install dialog select Custom Install...
- 4) At the A/UX Custom Install dialog select Disk Setup...
- 5) At the Apple HD SC Setup v3.0.1 (A/UX) dialog verify the SCSI ID and hard drive name is the volume to be used for the File Server System installation

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Technical Notes



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- 6) At the Apple HD SC Setup v3.0.1 (A/UX) dialog select Partition
- 7) At the next dialog select File Server System and OK
- 8) At the completion of disc partitioning the dialog Apple HD SC Setup v3.0.1 (A/UX) is displayed, select Done
- 9) The A/UX Custom Install dialog is now displayed

You are now ready to install the Apple Workgroup Server 95 A/UX and AppleShare Pro software

### **Apple Workgroup Server 95 A/UX Software Installation**

At the Apple Workgroup Server 95 do the following steps:

- 1) At the A/UX Custom Install dialog select Easy Install...
- 2) At the Easy Install dialog, verify the SCSI ID and hard drive name is the volume to be used for the File Server System installation
- 3) At the Easy Install dialog, select Easy Install
- 4) The installation of A/UX software begins

When the installation of A/UX software is done restart the system, launch A/UX Startup, and restore your applications

You are now ready to install AppleShare Pro software (File/Print Server)

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Technical Notes



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## **Apple Workgroup Server 95 AppleShare Pro Software Installation**

At the Apple Workgroup Server 95 do the following steps:

- 1) Verify A/UX has been launched and the root volume ("/") is displayed on the desktop
- 2) Insert the *AppleShare Pro Installer Version 1.0 for AWS95* CD into the CD-ROM
- 3) Double click on AppleShare Pro volume
- 4) At the AppleShare Pro dialog launch AppleShare Pro Installer Script
- 5) At the Easy Install dialog verify the installation will be on the root ("/") volume
- 6) At the Easy Install dialog select Install
- 7) The installation of AppleShare Pro begins and the following software is installed:
  - AppleShare Pro File Server
  - AppleShare Pro Print Server
  - AppleShare Pro On-Line Documentation
  - AppleShare Workstation Network Install

When the installation of AppleShare Pro is done restart the system, and launch A/UX Startup

The installation of Apple Workgroup Server 95 File/Print Server is complete. If you wish to disable the automatic logon, you should remove the file /mac/sys/Login System Folder/Preferences/Autologin. You might also want to set the following environment variables in the file /mac/bin/mac32:

```
TBFMIGNORECASE = 1 /* case insensitivity */  
TBTRANSLATESLASHES = 1 /* allow '/' in filename */  
TBTRANSLATEUXONLY=1 /* no CR -> LF translation */
```

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# Apple Business Systems Technical Notes



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