Converting from DataClub to AppleShare

This document describes some methods for converting a Novell DataClub file sharing environment into an AppleShare server. It also presents some instructions for removing the DataClub software from the Macintosh, after the data, users, and security information have been successfully converted to the new file-sharing environment.

Backup and Restoration Methods

We suggest three methods for converting data stored on a DataClub file server volume into an AppleShare volume. Each method has its own benefits, but all have the same drawback: *none of these methods preserves the security information established by the DataClub software*. Therefore, we strongly recommend that you use the DataClub Admin utility to obtain a thorough summary of all information about users, groups, and the security of shared files and folders *before* destroying any DataClub volume(s). You must then explicitly recreate all the user names and security assignments for files and folders that you previously established using DataClub on the new AppleShare server; this is essential in order to minimize difficulties for end users during and after the conversion process.

1.   You can back up the DataClub volume, whether it is a dedicated server volume or a distributed or "virtual" volume, by using a number of tape drive utilities. Retrospect, from Dantz Software, is one example of a DataClub-compatible tape back-up system.

When using a tape back-up system, be particularly aware of any restrictions on how you can restore the data to a different volume. Each tape back-up vendor's solution may incorporate differing rules concerning existing volume names, new volume names, or incremental restorations. So be sure to verify that you can successfully restore all the data to the new volume before destroying the old DataClub volume.

2.   You can copy the data on a DataClub volume directly to the new AppleShare volume. To do this, mount both the DataClub and the AppleShare volumes on the desktop of the client Macintosh. Then, simply drag-copy the data—and directory structure, if you want— from one volume to the other.

This method may be slower than others, but it allows you to verify the data's integrity on the new volume at arbitrary times during the process. If a problem occurs, you can halt the process and troubleshoot the problem at that time.

3.   You can move the data on the DataClub volume to some other intermediate storage, such as a workstation user's local hard disk or some removable storage such as a writeable magneto-optical drive. You can even copy all the DataClub data to 1.44 Mb floppy disks. After moving the data to intermediate storage, you can easily copy the data to the new AppleShare volume.

This method is probably the most labor-intensive of the three. However, if you do not have a tape back-up utility and want to install the AppleShare server software on the same machine as the current DataClub DSM (Dedicated Server Module) software, this method may offer the most desirable solution. In this case you can verify the data's integrity on the intermediate media at arbitrary times during the copying process. Then, during the software

conversion from DataClub to AppleShare, you can retain the media in a safe place. Finally, after you install the new AppleShare file server, you can recopy the data to the new volume.

Removing DataClub from the Macintosh

It is important that you not remove the DataClub software or the hidden volume before successfully restoring the data on a new volume where you can verify the data's integrity.

We suggest two methods for removing the DataClub software from Macintosh volume. Both of them require a resource editor program like ResEdit from Apple Computer or the Norton Utilities from Symantec.

1.   Use your favorite resource editor on each Macintosh where DataClub is installed. First, turn DataClub off in its Control Panel and restart the Macintosh. Then use the resource editor to find the hidden **DataClub** folder. (The folder name may include five non-printing boxes.) After you find the folder, use the resource editor to make the folder visible so that you or the workstation user can move the folder to the Trash, as with any other folder on the local volume. The time required to empty the Trash depends on how much data the folder contains. This method may be the faster of the two, but it requires a person familiar with resource editors to perform the operation on every Macintosh where DataClub is installed.

2.   If DataClub is installed on every Macintosh, and each Macintosh has made its hard disk available for use by DataClub, you can remove the DataClub software from each Macintosh in a step-wise fashion. We recommend that you remove DataClub software from Macintosh workstations in order, based on the amount of available disk space on each Macintosh: (1) first, remove DataClub from the Macintosh with the *least* available disk space; (2) proceed to the Macintosh with the second least available disk space, and continue in this order; (3) finally, remove DataClub from the Macintosh with the *most* available disk space.

Starting with the first Macintosh, open its DataClub Control Panel and uncheck the checked disks in "Use these disks" list. This will cause DataClub to move any shared data residing on the first Macintosh to other Macintosh clients on the DataClub network. After DataClub has moved the data, turn off DataClub by clicking the OFF radio button in the DataClub Control Panel. If at any point during the automatic data migration a problem arises, use a resource editor (as described in the first method, above) to remove DataClub from the volume. After restarting the Macintosh and verifying that DataClub does not load, move the DataClub Control Panel into the Trash. If any DataClub applications like the Admin utility reside on the Macintosh, throw them away also because they are not useful without the DataClub software.

Repeat the steps in this method on every other Macintosh client until all the data (files and folders) reside on the last Macintosh on the network. On this workstation, turn DataClub off in the Control Panel, and restart the machine. Use a resource editor to find the hidden **DataClub** folder on the root of the volume and make it visible. After quitting the resource editor, simply move the entire **DataClub** folder into the Trash. The time required to empty the Trash depends on how many files are in the folder.