



Serverless Backup is an option available with ARCserve 2000 data management software by Computer Associates. It is designed for Storage Area Networks (SANs) equipped with a Data Mover (third party copy agent). The Qualstar Fibre Channel Option (FCO) utilizes an ARCserve 2000 certified Data Mover. The Serverless Backup feature allows for backups from disk to tape without using any CPU or Local Area Network (LAN) bandwidth.

Configuration Prerequisites

Today's Serverless Backup technology is limited to specific SAN components and software configurations. The latest firmware and drivers should be installed. At this time, Qualstar has successfully tested ARCserve 2000 Serverless Backup with the QLogic QLA2200 Host Bus Adapter (HBA). Problems were encountered with the Emulex LP 7000 and LP850 HBAs.

ARCserve 2000 Updates

Computer Associates provides updates for the ARCserve 2000 application and related options. Consult the following WWW link for the application and Serverless Backup option:

<http://support.ca.com/Download/patches/arcserve2000.html>

Using ARCserve 2000 on Windows NT (Windows 2000 is not affected)

If you are installing ARCserve 2000 on Windows NT, the SCSI Scanner service must be disabled because it interferes with ARCserve talking to the router for Serverless backups. Perform the following:

Launch Windows "regedt32", Registry Editor.

Go to "\HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Scsiscan\"

Set the DWORD value "Start" to 4.

Using Sony AIT-2 Tape Drives with ARCserve 2000

Sony AIT-2 tape drives must be configured for 64k block size for use with ARCserve 2000. Perform the following:

Launch Windows "regedt32", Registry Editor.

Go to "HKEY_LOCAL_MACHINE\SOFTWARE\ComputerAssociates\ARCserveIT\Base\TapeEngine", and then highlight each Device# until you see your AIT-2 tape drive show up on the right panel next to the "Info".

Highlight the Device# which represents 8mm tape drive, and then select "Edit" from pull-down menu. Select "Add Value".

Type in "DefaultBlockFactor" in the Value Name field, choose "REG_DWORD" as Data Type, and then click the OK button.

Choose "Decimal", and enter "7" in the Data field on DWORD Editor.

Repeat the above steps for each AIT-2 Tape drive.

Restart ARCserve Tape Engine.

Once Tape Engine is initialized, ERASE, and then FORMAT your AIT-2 tapes.