



Apple Software Restore 1.3.2 Quick Start

Apple Software Restore (ASR) is a utility application that will exactly restore disk images created with Disk Copy to a target hard drive.

This Quick Start is intended for people who will be creating disk images for ASR to restore, and/or configuring ASR for a specific purpose and will explain the steps to prepare volumes before imaging them and how to configure Disk Copy to prepare disk images for use with ASR.

Please note that ASR allows itself to be configured to very quickly and very easily **erase** and restore a given hard drive. Take care that during the development of your image content or configuration setup you do not accidentally erase and overwrite data.

Installing Apple Software Restore

The tools required to prepare volumes and images for use with ASR are AppleScript based. You must have AppleScript installed on the computer you use to prepare volumes and images.

The following files must be placed in a folder named "Scripts" that resides in the same folder as the Disk Copy application:

- ImageScan (an AppleScript scripting addition)
- Play Sound (an AppleScript scripting addition)
- Scan Image for ASR (a compiled AppleScript)

The ASR distribution includes a "Fix local Aliases" AppleScript that checks and resolves aliases to the local volume they reside on. This AppleScript requires the following scripting extensions:

- Animate Cursor Commands
- Choose FileSpec
- Resolve
- Status Dialog Commands
- GetAliasPath

Mac OS 8 users can simply drop these files onto the System Folder icon and they will be routed to the Scripting Additions folder. Mac OS 7.x users need to place them in the Scripting Additions folder inside the Extensions folder. In both cases, you will need to restart after installing the files.

Preparing an Entire Disk as a Source Volume

1. On the source volume, install all needed software and set up any preferences, window positions, etc. In short, make things look exactly as you want them to appear. Don't forget to empty the trash.
2. Start up the computer from a volume other than the source volume.
3. Run Disk First Aid or another similar utility on the source volume to check and repair any directory damage. The "Fix Local Aliases" AppleScript can also be run at this time.
4. If you need the disk image of the source volume to be as small as possible, run a drive optimization utility set to place all the free space at one end of the drive and to erase free space.

5. Drop the volume icon onto Disk Copy to create a disk image. Select either read-only or read-only compressed format. Both formats will truncate any free space, resulting in a disk image the size of the data instead of the whole volume. Read-only compressed will additionally reduce the size of the disk image, depending on how much the data can be compressed.
6. Select "Scan Image for ASR" from Disk Copy's Scripts menu. You will be asked to select a disk image. Once selected, the script will run for a number of minutes and you will not see any progress dialog. The script will play a sound when it has finished.
7. Your disk image is now ready for use with ASR.

Preparing a Folder as a Source Volume

1. Set up window positions, etc.
2. Drop the volume icon onto Disk Copy to create a disk image. Select either read-only or read-only compressed format. Both formats will truncate any free space, resulting in a disk image the size of the data instead of the whole volume. Read-only compressed will additionally reduce the size of the disk image, depending on how much the data can be compressed. Select a volume size of at least 2.5 MB or else window and icon position will not be preserved.
3. Select "Scan Image for ASR" from Disk Copy's Scripts menu. You will be asked to select a disk image. Once selected, the script will run for a number of minutes and you will not see any progress dialog. The script will play a sound when it has finished.
4. Your disk image is now ready for use with ASR.

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