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AWS 95: Shared Item Limits Due To .fs_cache (11/93)

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TOPIC -----

This article describes the Apple Workgroup Server (AWS) 95 ".fs_cache" item limits with AppleShare Pro.

DISCUSSION -----

Apple is currently recommending a 120,000 item limit for items that can be shared on a AWS 95. The limit is due to incorrect handling in the b-tree code that maintains the .fs_cache file. The .fs_cache file is used to create b-tree entries for all items being shared under AppleShare Pro. The problem occurs when the .fs_cache file becomes greater than 32 megabytes in size. The maximum number of items can be calculated with the following formula:

$$32,000,000 / 200 \text{ bytes for each item} = 160,000 \text{ Items}$$

The number of 120,000 that is being recommended as opposed to 160,000 is conservative and is meant to avoid any problems from occurring until a version of the AWS 95 software is released that eliminates this problem. The 120,000 number will also allow for some growth up to the maximum of 160,000.

The next version of the AWS 95 system software will have this limitation removed.

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