

LOCAL STORAGE LINKED TO NETWORKED STORAGE SYSTEM

CROSS-REFERENCE TO RELATED APPLICATION

[0001] This application claims priority to, and the benefit of, U.S. Application entitled, "LOCAL STORAGE LINKED TO NETWORKED STORAGE SYSTEM," having Application No. 13/074,325, filed March 29, 2011, which is incorporated herein by reference in its entirety.

BACKGROUND

[0002] Users may wish to store data with networked storage systems that provide storage guarantees to ensure that data is safe from fires and other hazards. Unfortunately, it can be difficult for some users to interact with networked storage systems due to lack of computing skills and other problems.

SUMMARY OF INVENTION

[0002a] According to a first aspect of the present invention, there is provided a non-transitory computer-readable medium embodying a program stored thereon that, when executed by a computing device, directs the computing device to: override at least one setting in the computing device to promote a perception that a portable memory device coupled to the computing device provides for a local storage of a plurality of files, wherein the plurality of files are stored in a networked storage system that is accessible to the computing device through a network; initiate storage of a subset of the plurality of files in the portable memory device, the files in the subset comprising a plurality of most recently accessed ones of the plurality of files, and the files in the subset further comprising an earliest saved one of the files;

delete the earliest saved one of the files in response to determining that there is an insufficient space in the portable memory device; determine whether the network is available to send a respective one of the files to the networked storage system when a write request is obtained for the respective one of the files from a requesting process; send the respective one of the files to the networked storage system when the network is available; initiate storage of the respective one of the files in the portable memory device when the network is unavailable; and flag the respective one of the files stored in the portable memory device to be sent to the networked storage system when the network becomes available.

[0002b] According to a second aspect of the present invention, there is provided a system comprising: a portable memory device configured to couple to a computing device; a storage management application stored in the portable memory device, the storage management application being executable by a processor circuit, the storage management application being configured to at least: provide for an actual file storage in a networked storage system that is accessible to the computing device through a network; simulate a local file storage within the computing device using the portable memory device; send a plurality of files to the networked storage system for storage in the networked storage system, the networked storage system being remote to the computing device; cache a subset of the files on the portable memory device, the portable memory device acting as intermediate storage for the subset, and the files in the subset comprising a plurality of most recently accessed ones of the files; and maintain a local file directory in the portable memory device, the local file directory listing the plurality of files stored in the networked storage system in association with an account linked to the portable memory device.

[0002c] According to a third aspect of the present invention, there is provided a computer-implemented method comprising: establishing a data communications link between a portable memory device and a computing system; executing an application in the computing system that overrides at least one setting in an operating system executed in the computing system, wherein overriding the at least one setting causes the operating system to simulate a local storage of a plurality of files in the portable memory device while, at the same time, providing for an actual remote storage of the plurality of files in a networked storage system that is accessible to the computing system through a network; and using the portable memory device for intermediate storage of a subset of the files stored in the networked storage system, the files in the subset comprising a plurality of most recently accessed ones of the files.

BRIEF DESCRIPTION OF THE DRAWINGS

[0003] Many aspects of the present disclosure can be better understood with reference to the following drawings. The components in the drawings are not necessarily to scale, emphasis instead being placed upon clearly illustrating the principles of the disclosure. Moreover, in the drawings, like reference numerals designate corresponding parts throughout the several views.

[0004] FIG. 1 is a drawing of a networked environment according to various embodiments of the present disclosure.

[0005] FIG. 2 is a drawing of one example of a portable memory device that is pluggable into a client device in the networked environment of FIG. 1 according to various embodiments of the present disclosure.