## CLAIMS

1. A cache enablement management method for network attached storage, NAS, wherein the method comprises:

sending, by a NAS client, a first query request corresponding to a first service to a NAS server, wherein a plurality of services are deployed in the NAS client, the first service is any one of the plurality of services, the first query request is used to obtain configuration information corresponding to the first service, and at least two different services in the plurality of services correspond to different configuration information;

receiving, by the NAS client, first configuration information fed back by the NAS server, wherein the first configuration information indicates whether to enable a local cache function of the first service; and

determining, by the NAS client based on the first configuration information, whether to enable the local cache function of the first service.

2. The method according to claim 1, wherein the first configuration information specifically indicates to enable the local cache function of the first service, and the method further comprises:

sending, by the NAS client, a second query request corresponding to a second service to the NAS server, wherein the second service is one of the plurality of services other than the first service, and the second query request is used to obtain configuration information corresponding to the second service;

receiving, by the NAS client, second configuration information fed back by the NAS server, wherein the second configuration information indicates not to enable a local cache function of the second service, and the second configuration information is different from the first configuration information; and

determining, by the NAS client based on the second configuration information, not to enable the local cache function of the second service.

3. The method according to claim 1 or 2, wherein when data generated by the first service is stored in at least one first file system of the NAS server, and the received first configuration information comprises at least one piece of first configuration information in one-to-one correspondence with the at least one first file system, determining, based on the first configuration information, whether to enable the local cache function of the first service comprises:

determining, based on target configuration information, whether to enable the local cache function of the first service, wherein the target configuration information is configuration information corresponding to a target file system in the at least one piece of first configuration information, the at least one first file system comprises the target file system, and the target file

system is a file system to which a storage location corresponding to a read/write instruction generated by the first service in the NAS client belongs.

4. The method according to claim 3, wherein the method further comprises:

determining that the data generated by the first service in the NAS client is stored in the first file system of the NAS server, wherein the first query request corresponding to the first service comprises identification information of the first file system, and the identification information of the first file system in the query request indicates to obtain the first configuration information corresponding to the first file system.

5. The method according to claim 1 or 2, wherein the first configuration information is updatable, and an update operation of the first configuration information is performed by the NAS server.

6. The method according to claim 1 or 2, wherein the first configuration information comprises at least one of the following:

first sub-information, wherein the first sub-information indicates whether to enable the local cache function when the first service in the NAS client generates a read/write instruction for a directory;

second sub-information, wherein the second sub-information indicates whether to enable the local cache function when the first service in the NAS client generates a read/write instruction for a file attribute; and

third sub-information, wherein the third sub-information indicates whether to enable the local cache function when the first service in the NAS client generates a read/write instruction for file data.

7. The method according to claim 1 or 2, wherein the method further comprises:

receiving, by the NAS server, the first query request corresponding to the first service and sent by the NAS client, wherein the first query request is used to obtain the configuration information corresponding to the first service;

obtaining, by the NAS server in response to the received first query request, the first configuration information corresponding to the first service from a plurality of pieces of pre-stored configuration information; and

sending, by the NAS server, the first configuration information to the NAS client, wherein the first configuration information indicates whether to enable the local cache function of the first service.

8. A cache enablement management method for network attached storage, NAS, wherein the method comprises:

receiving, by a NAS server, a first query request corresponding to a first service and sent by

a NAS client, wherein the first query request is used to obtain configuration information corresponding to the first service;

obtaining, by the NAS server in response to the received first query request, first configuration information corresponding to the first service from a plurality of pieces of pre-stored configuration information; and

sending, by the NAS server, the first configuration information to the NAS client, wherein the first configuration information indicates whether to enable a local cache function of the first service.

9. The method according to claim 8, wherein the method further comprises:

obtaining a configuration operation through a display interface; and

determining, in response to the obtained configuration operation, the plurality of pieces of configuration information.

10. The method according to claim 8, wherein the first configuration information comprises at least one of the following:

first sub-information, wherein the first sub-information indicates whether to enable the local cache function when the first service in the NAS client generates a read/write instruction for a directory;

second sub-information, wherein the second sub-information indicates whether to enable the local cache function when the first service in the NAS client generates a read/write instruction for a file attribute; and

third sub-information, wherein the third sub-information indicates whether to enable the local cache function when the first service in the NAS client generates a read/write instruction for file data.

11. A first cache enablement management apparatus for network attached storage, NAS, wherein the first cache enablement management apparatus for NAS is deployed in a NAS client, and the apparatus comprises:

a sending module, configured to send a first query request corresponding to a first service to a NAS server, wherein a plurality of services are deployed in the NAS client, the first service is any one of the plurality of services, the first query request is used to obtain configuration information corresponding to the first service, and at least two different services in the plurality of services correspond to different configuration information;

a receiving module, configured to receive first configuration information fed back by the NAS server, wherein the first configuration information indicates whether to enable a local cache function of the first service; and

a determining module, configured to determine, based on the first configuration information,

whether to enable the local cache function of the first service.

12. The first cache enablement management apparatus according to claim 11, wherein the first configuration information specifically indicates to enable the local cache function of the first service;

the sending module is further configured to send a second query request corresponding to a second service to the NAS server, wherein the second service is one of the plurality of services other than the first service, and the second query request is used to obtain configuration information corresponding to the second service;

the receiving module is further configured to receive second configuration information fed back by the NAS server, wherein the second configuration information indicates not to enable a local cache function of the second service, and the second configuration information is different from the first configuration information; and

the determining module is further configured to determine, based on the second configuration information, not to enable the local cache function of the second service.

13. The first cache enablement management apparatus according to claim 11 or 12, wherein when data generated by the first service is stored in at least one first file system of the NAS server, and the received first configuration information comprises at least one piece of first configuration information in one-to-one correspondence with the at least one first file system, the determining module is specifically configured to determine, based on target configuration information, whether to enable the local cache function of the first service, wherein the target configuration information is configuration information corresponding to a target file system in the at least one piece of first configuration information, the at least one first file system comprises the target file system, and the target file system is a file system to which a storage location corresponding to a read/write instruction generated by the first service in the NAS client belongs.

14. The first cache enablement management apparatus according to claim 13, wherein

the determining module is further configured to determine that the data generated by the first service in the NAS client is stored in the first file system of the NAS server, wherein the first query request corresponding to the first service comprises identification information of the first file system, and the identification information of the first file system in the query request indicates to obtain the first configuration information corresponding to the first file system.

15. The first cache enablement management apparatus according to claim 11 or 12, wherein the first configuration information comprises at least one of the following:

first sub-information, wherein the first sub-information indicates whether to enable the local cache function when the first service in the NAS client generates a read/write instruction for a directory;

second sub-information, wherein the second sub-information indicates whether to enable the local cache function when the first service in the NAS client generates a read/write instruction for a file attribute; and

third sub-information, wherein the third sub-information indicates whether to enable the local cache function when the first service in the NAS client generates a read/write instruction for file data.

16. A cache enablement management system for network attached storage, NAS, comprising the first cache enablement management apparatus for network attached storage, NAS, according to any one of claims 11-15, and a second cache enablement management apparatus for network attached storage, NAS, wherein the second cache enablement management apparatus for NAS is deployed in a NAS server, and the apparatus comprises:

a receiving module, configured to receive a first query request corresponding to a first service and sent by a NAS client, wherein the first query request is used to obtain configuration information corresponding to the first service;

an obtaining module, configured to obtain, in response to the received first query request, first configuration information corresponding to the first service from a plurality of pieces of pre-stored configuration information; and

a sending module, configured to send the first configuration information to the NAS client, wherein the first configuration information indicates whether to enable a local cache function of the first service.

17. The second cache enablement management apparatus according to claim 16, wherein

the receiving module is further configured to receive a second query request corresponding to a second service and sent by the NAS client, wherein the second query request is used to obtain configuration information corresponding to the second service, a plurality of services are deployed in the NAS client, the first service is any one of the plurality of services, and the second service is one of the plurality of services other than the first service;

the obtaining module is further configured to obtain, in response to the received second query request, second configuration information corresponding to the second service from the plurality of pieces of pre-stored configuration information; and

the sending module is further configured to send the second configuration information to the NAS client, wherein the second configuration information indicates whether to enable a local cache function of the second service, and the second configuration information is different from the first configuration information.

18. The second cache enablement management apparatus according to claim 16 or 17, wherein when the plurality of pieces of configuration information are in one-to-one

correspondence with a plurality of file systems of the NAS server, the obtaining module is specifically configured to obtain, in response to the received first query request, the first configuration information corresponding to a first file system from the plurality of pieces of pre-stored configuration information, wherein data generated by the first service is stored in the first file system, and the plurality of file systems comprise the first file system.

19. The second cache enablement management apparatus according to claim 18, wherein the first query request corresponding to the first service comprises identification information of the first file system, and the obtaining module is specifically configured to obtain the first configuration information corresponding to the first file system from the plurality of pieces of pre-stored configuration information based on the identification information of the first file system in the first query request.

20. The apparatus according to claim 16 or 17, wherein

the obtaining module is further configured to obtain a configuration operation through a display interface; and

the apparatus further comprises a determining module, configured to determine the plurality of pieces of configuration information in response to the obtained configuration operation.