CLAIMS

1. A file attribute setting method, comprising:

sending a setting request to a storage system, wherein the setting request is used to set file attributes of a plurality of files; and

receiving a setting response, wherein the setting response indicates a setting result for the file attributes of the plurality of files based on the setting request.

2. The method according to claim 1, wherein the setting request comprises a recursively setting parameter, and the recursively setting parameter indicates to set a file attribute of a first file and file attributes of multi-level subfiles comprised in the first file.

3. The method according to claim 1 or 2, wherein the setting request comprises a file identifier of the first file among the plurality of files.

4. The method according to any one of claims 1 to 3, wherein the setting result indicates success or failure.

5. The method according to any one of claims 1 to 3, wherein the setting result indicates a requery.

6. The method according to claim 5, wherein the setting request comprises a synchronous identifier; the synchronous identifier indicates the storage system to feed back the setting response in a synchronous manner; the setting response comprises a task identifier and a first error code, wherein the first error code indicates a requery; and

after the receiving the setting response, the method further comprises:

sending a setting status query request, wherein the setting status query request comprises the task identifier; and

receiving a setting status query response, wherein the setting status query response indicates the setting result for the file attributes of the plurality of files based on the setting request.

7. The method according to any one of claims 1 to 3, wherein the setting result indicates to wait for a setting result fed back by the storage system.

8. The method according to claim 7, wherein the setting request comprises an asynchronous identifier; the asynchronous identifier indicates the storage system to feed back the setting response in an asynchronous manner; the setting response comprises a task identifier and a first error code, wherein the first error code indicates waiting; and

after the receiving the setting response, the method further comprises:

receiving a callback message, wherein the callback message comprises the task identifier and the setting result for the file attributes of the plurality of files, and the setting result comprises either success or failure; and

sending a callback response.

9. The method according to claim 8, wherein the callback message further comprises a verification code; and

the sending the callback response comprises:

when verification of the task identifier succeeds based on the verification code, sending the callback response; and

after the receiving the callback message, the method further comprises:

when verification of the task identifier fails based on the verification code, sending a second error code.

10. A file attribute setting method, comprising:

receiving, by a storage system, a setting request, wherein the setting request is used to set file attributes of a plurality of files;

setting the file attributes of the plurality of files based on the setting request; and

sending a setting response, wherein the setting response indicates setting result for the file attributes of the plurality of files based on the setting request.

11. The method according to claim 10, wherein the setting the file attributes of the plurality of files based on the setting request specifically comprises:

querying all subfiles in the files; and

setting all found subfiles based on the file attributes.

12. The method according to claim 10 or 11, wherein the setting request comprises a recursively setting parameter and a file identifier of a first file among the plurality of files, and the recursively setting parameter indicates to set a file attribute of the first file and file attributes of multi-level subfiles comprised in the first file.

13. The method according to any one of claims 10 to 12, wherein the setting request comprises a synchronous identifier; and the synchronous identifier indicates the storage system to feed back the setting response in a synchronous manner; and

the sending the setting response comprises:

when a timer does not expire, sending the setting response, wherein the setting response indicates success or failure in setting the file attributes of the plurality of files based on the setting request.

14. The method according to any one of claims 10 to 12, wherein the setting request comprises the synchronous identifier; and

the sending the setting response comprises:

when a timer expires, sending the setting response, wherein the setting response indicates to requery the setting result for the file attributes of the plurality of files based on the setting request.

15. The method according to claim 14, wherein the setting response comprises a task identifier and a first error code, wherein the first error code indicates a requery; and

after the sending the setting response, the method further comprises:

receiving a setting status query request, wherein the setting status query request comprises the task identifier; and

sending a setting status query response, wherein the setting status query response indicates the setting result for the file attributes of the plurality of files based on the setting request.

16. The method according to claim 15, wherein the setting status query request further comprises a verification code; and

the sending the setting status query response comprises:

when verification of the task identifier succeeds based on the verification code, sending the setting status query response; and

the method further comprises:

when verification of the task identifier fails based on the verification code, sending a second error code.

17. The method according to any one of claims 10 to 12, wherein the setting request comprises an asynchronous identifier; the asynchronous identifier indicates the storage system to feed back the setting response in an asynchronous manner; the setting response indicates to wait for the setting result for the file attributes of the plurality of files based on the setting request; and the setting response comprises a task identifier and a first error code, wherein the first error code indicates waiting; and

after the sending the setting response, the method further comprises:

sending a callback message, wherein the callback message comprises the task identifier and the setting result for the file attributes of the plurality of files, and the setting result comprises either success or failure; and

receiving a callback response.

18. The method according to any one of claims 14 to 17, wherein the method further comprises:

receiving a setting cancellation request, wherein the setting cancellation request indicates to cancel a task corresponding to the setting request;

canceling, based on the setting cancellation request, the task corresponding to the setting request; and

sending a setting cancellation response, wherein the setting cancellation response indicates cancellation success or cancellation failure.

19. A client, wherein the client comprises a module for performing operation steps of the

method in any one of claims 1 to 9.

20. A storage server, wherein the storage server comprises a module for performing operation steps of the method in any one of claims 10 to 18.