

FILE STORING METHOD, TERMINAL, AND COMPUTER-READABLE STORAGE MEDIUM

[0001] This application is the National Stage of International Application No. PCT/CN2017/103545, filed September 26, 2017, which claims priority to Chinese Patent Application No. 201710622747.4, filed with the Chinese Patent Office on 5 27/07/2017 and entitled “File Storing Method, Terminal, and Computer-readable Storage Medium”, which is incorporated herein by reference in its entirety.

[0002] FIELD

[0003] The present disclosure relates to the field of file storing, and more particularly to a file storing method, terminal, and computer-readable storage medium. 10

[0004] BACKGROUND

[0005] In current, with regards to file storing, the file is commonly first stored in a single directory, and when the files stored in the directory reaching a upper limit, make a backup of the files and then the directory is emptied for a continued file storing, or a new directory is added in the system for a continued file storing. 15

[0006] This file storing method requires assigning a certain directory for file storing in advance, and also needs to remember which files are stored in that directory in order to read the file later. Obviously, this file storing method is relatively rigid. Moreover, in a period of time that a plurality of files are stored in a same directory and the other remaining un-stored, will result in the directories storing files disproportionately. 20

[0007] SUMMARY

[0008] The present disclosure is to provide a file storing method, terminal, and computer-readable storage medium, which aims to solve the technical problems of the existing file storing method being relatively rigid, and being prone to cause the directory storing files disproportionately. 25

[0009] In order to achieve the above aim, the present disclosure provides a file

[0034] As shown in Fig. 1, the memory 1005 as a computer-readable storage medium may include an operating system, a network communication module, a user interface module, and a file storing program. Among them, the operating system is a program for managing and controlling the terminal and software resources, and supports the operation of the network communication module, the user interface module, the file storing program, and other programs or software; the network communication module is used to manage and control the network interface 1004; and the user interface module is used to manage and control the user interface 1003.

[0035] In the terminal shown in Fig. 1, the network interface 1004 is mainly used to connect a server or an external device to perform data communication with the server or the external device; the user interface 1003 is mainly used to connect a terminal interface; the terminal invokes the file storing program stored in the memory 1005 through the processor 1001, to execute the operations below:

[0036] When a file storing instruction being received, determining the file name corresponding to a file to be stored;

[0037] Performing feature calculation on the determined file name to obtain a feature value;

[0038] Performing modulo operation to the feature value using the total number of file directories to obtain a modulus value, wherein the modulo operating is carried out by dividing the total number of the file directories by the feature value;

[0039] Determining a serial number corresponding to the file name based on the modulus value; and

[0040] Based on a mapping relationship between a preset serial number and a directory, determining the directory corresponding to the serial number, and storing the file in the determined directory.

[0041] Further, the step of the said terminal invoking the file storing program stored in the memory 1005 through the processor 1001, to perform feature calculation on the determined file name to obtain the feature value includes:

[0042] Based on a pre-stored binary lookup table, querying for a binary value corresponding to the file name;

characters, letters or numbers;

[0076] In the embodiment, the method of receiving the file storing instruction includes:

[0077] a. When the file imported by the external device is received by the terminal,
5 the selection screen is displayed, receiving the file storing instruction triggered by the user on the selection screen.

[0078] b. When the file transmitted by the server is received by the terminal, the selection screen is displayed, receiving the file storing instruction triggered by the user on the selection screen.

10 **[0079]** c. The terminal receiving the file storing instruction triggered when the local data information generating the file.

[0080] When the file storing instruction is received, first the file to be stored corresponding to the file storing instruction is determined. It is certain that when the file storing instruction is triggered, it is triggered for a specific file, therefore the
15 corresponding file to be stored could be determined according to the file storing instruction.

[0081] After the file to be stored is determined, the file name of the file to be stored is identified. In the embodiment, the file name includes but is not limited to a Chinese character, a letter, a numeral, a symbol, or a combination of any two or more
20 of the above.

[0082] It should be noted that the file name of the file to be stored in this embodiment may be the name came with the file before the terminal receives the file. That is, before the external device imports the file to the terminal, or before the server transfers the file to the terminal, the file has been added with the file name. After the
25 subsequent terminal receives the file, the file name corresponding to the file can be directly identified.

[0083] In addition, in the embodiment of the present disclosure, when the terminal receives the file or the local generated file, the file name may be regenerated for each file according to a preset rule. The preset rule may be set as: add a file name to the file
30 according to a letter, and the added file name is added in alphabetical order, for

19. A terminal, comprising:

a memory, a processor, and a file storing program stored in the memory and operable on the processor, the file storing program being executed by the processor to perform the operations of a file storing method, the method comprising:

when a file storing instruction being received, determining a file name corresponding to the file to be stored;

performing feature calculation on the determined file name to obtain a feature value;

performing modulo operation to the feature value using the total number of file directories to obtain a modulus value, wherein the modulo operating is carried out by dividing the total number of the file directories by the feature value;

determining a serial number corresponding to the file name based on the modulus value; and

based on a mapping relationship between a preset serial number and a directory, determining the directory corresponding to the serial number, and storing the file in the determined directory.

20. A computer-readable storage medium storing a file storing program, which when executed by a processor performs the operations of a file storing method, the method comprising:

when a file storing instruction being received, determining a file name corresponding to the file to be stored;

performing feature calculation on the determined file name to obtain a feature value;

performing modulo operation to the feature value using the total number of file directories to obtain a modulus value, wherein the modulo operating is carried out by dividing the total number of the file directories by the feature value;

determining a serial number corresponding to the file name based on the modulus value; and

based on a mapping relationship between a preset serial number and a directory, determining the directory corresponding to the serial number, and storing the file in the determined directory.