

Claims

1. A system in a computer system for accessing a cloud network storage comprising:
instructions for directing a processing unit to:
5 receive a mount request acknowledgement from a mobile device,
 mount a virtual file system in said computer system in response to receiving
said mount request acknowledgement;
 generate a file operation request;
 transmit said file operation request to said mobile device;
10 receive meta data from said mobile device,
 establish a connection to said cloud network storage using said meta data to
retrieve data from or write data to said cloud network storage,
 allow access to said data retrieved from or wrote to said cloud network
storage through said virtual file system, and
15 a media readable by said processing unit that stores said instructions for directing
said processing unit.
2. The system according to claim 1 further comprising:
instructions for directing said processing unit to:
20 detect said mobile device is within a certain proximity of said computer
system;
 generate a mount request; and
 transmit said mount request to said mobile device.
- 25 3. The system according to claim 2 wherein said instructions to detect said mobile
device is within a certain proximity of said computer system is via Bluetooth connectivity.
4. The system according to claim 2 further comprising:
instructions for directing said processing unit to:
30 receive a user identification and a password;
 transmit said user identification and said password to mobile device.
5. The system according to claim 4 further comprising;
instructions for directing said processing unit to:
35 receive an authentication success acknowledgement from said mobile device.
6. The system according to claim 2 further comprising:

instructions for directing said processing unit to:

detect a dismount request from said mobile device, and

remove said virtual file system from said computer system in response to detecting said dismount request.

5

7. The system according to claim 6 further comprising:

instructions for directing said processing unit to:

update said data retrieved from said cloud network storage, and

transmit said updated data to said cloud network storage.

10

8. The system according to claim 6 further comprising:

instructions for directing said processing unit to:

update said meta data,

transmit said updated meta data to said mobile device, and

15

receive a confirmation that said updated meta data is received by said mobile device.

9. The system according to claim 2 further comprising:

instructions for directing said processing unit to:

20

detect said mobile device is outside a certain proximity.

10. The system according to claim 9 further comprising:

instructions for directing said processing unit to:

remove said virtual file system from said computer system in response to

25

detecting said mobile device is outside said certain proximity.

11. The system according to claim 10 further comprising:

instructions for directing said processing unit to:

update said data retrieved from said cloud network storage, and

30

transmit said updated data to said cloud network storage.

12. The system according to claim 10 further comprising:

instructions for directing said processing unit to:

update said meta data,

35

transmit said updated meta data to said mobile device via telephonic means,

and

receive a confirmation that said updated meta data is received by said mobile device.

13. The system according to claim 1 wherein said instructions to receive said mount request acknowledgement from said mobile device is via telephonic connection.

14. The system according to claim 1 wherein said instructions to receive said mount request acknowledgement from said mobile device is via network connection.

15. The system according to claim 1 further comprising:
instructions for directing said processing unit to:
generate a remote mount request; and
transmit said remote mount request to said mobile device.

16. The system according to claim 15 wherein said remote mount request comprises a user identification, a password and endpoint address and port of said computer system.

17. The system according to claim 15 wherein said instructions to transmit said remote mount request to said mobile device is via telephonic connection.

18. The system according to claim 15 wherein said instructions to transmit said remote mount request to said mobile device is via network connection.

19. The system according to claim 15 further comprising:
instructions for directing said processing unit to:
detect a dismount request from said mobile device, and
remove said virtual file system from said computer system in response to said dismount request.

20. The system according to claim 19 further comprising:
instructions for directing said processing unit to:
update said data retrieved from said cloud network storage, and
transmit said updated data to said cloud network storage.

21. The system according to claim 19 further comprising:
instructions for directing said processing unit to:

update said meta data,
transmit said updated meta data to said mobile device, and
receive a confirmation that said updated meta data is received by said mobile device.

5

22. A method for accessing a cloud network storage comprising:
receiving a mount request acknowledgement from a mobile device;
mounting a virtual file system in said computer system in response to receiving said
mount request acknowledgement;
10 generating a file operation request;
transmitting said file operation request to said mobile device;
receiving meta data from said mobile device;
establishing a connection to said cloud network storage using said meta data to
retrieve data from or write data to said cloud network storage; and
15 allowing access to said data retrieved from or wrote to said cloud network storage
through said virtual file system.

10

15

23. The method according to claim 22 further comprising:
detecting said mobile device is within a certain proximity of said computer system;
20 generating a mount request; and
transmitting said mount request to said mobile device.

20

24. The method according to claim 23 wherein said step of detecting said mobile device
is within a certain proximity of said computer system is performed via Bluetooth connectivity.

25

25. The method according to claim 23 further comprising:
receiving a user identification and a password; and
transmitting said user identification and said password to mobile device.

30

26. The method according to claim 25 further comprising;
receiving an authentication success acknowledgement from said mobile device.

27. The method according to claim 23 further comprising:
detecting a dismount request from said mobile device; and
35 removing said virtual file system from said computer system in response to said
dismount request.

35

28. The method according to claim 19 further comprises:
updating said data retrieved from said cloud network storage;
transmitting said updated data retrieved to said cloud network storage.

5

29. The method according to claim 19 further comprises:
updating said meta data;
transmitting said updated meta data to said mobile device; and
receiving a confirmation that said updated meta data is received by said mobile
10 device.

30. The method according to claim 23 further comprising:
detecting said mobile device is outside a certain proximity.

15 31. The method according to claim 30 further comprising:
removing said virtual file system from said computer system in response to said
mobile device being outside said certain proximity.

20 32. The method according to claim 31 further comprising:
updating said data retrieved from said cloud network storage; and
transmitting said updated data to said cloud network storage.

25 33. The method according to claim 31 further comprising:
updating said meta data;
transmitting said updated meta data to said mobile device via telephonic means; and
receiving a confirmation that said updated meta data is received by said mobile
device.

30 34. The method according to claim 22 wherein said step of receiving said mount request
acknowledgement is via telephonic connection.

35 35. The method according to claim 22 wherein said step of receiving said mount request
acknowledgement is via network connection.

36. The method according to claim 22 further comprising:
generating a remote mount request; and

transmitting said remote mount request to said mobile device.

37. The method according to claim 36 wherein said remote mount request comprises a user identification, a password and endpoint address and port of said computer system.

5

38. The method according to claim 36 wherein said step of transmitting said remote mount request to said mobile device is via telephonic connection.

39. The method according to claim 36 wherein said step of transmitting said remote mount request to said mobile device is via network connection.

10

40. The method according to claim 36 further comprising:
detecting a dismount request from said mobile device; and
removing said virtual file system from said computer system in response to said dismount request.

15

41. The method according to claim 40 further comprising:
updating said data retrieved from said cloud network storage;
transmitting said updated data to said cloud network storage; and
receiving a confirmation that said updated data retrieved from said cloud network storage is received by said cloud network storage.

20

42. The method according to claim 40 further comprising:
updating said meta data;
transmitting said updated meta data to said mobile device; and
receiving a confirmation that said updated meta data is received by said mobile device.

25

43. A system in a computer system for accessing a cloud network storage comprising:
circuitry configured to receive a mount request acknowledgement from a mobile device;
circuitry configured to mount a virtual file system in said computer system in response to receiving said mount request acknowledgement;
circuitry configured to generate a file operation request;
circuitry configured to transmit said file operation request to said mobile device;
circuitry configured to receive meta data from said mobile device;

30

35

circuitry configured to establish a connection to said cloud network storage using said meta data to retrieve data from or write data to said cloud network storage; and
circuitry configured to allow access to said data retrieved from or wrote to said cloud network storage through said virtual file system.

5

44. The system according to claim 43 further comprising:

circuitry configured to detect said mobile device is within a certain proximity of said computer system;

circuitry configured to generate a mount request; and

10

circuitry configured to transmit said mount request to said mobile device.

45. The system according to claim 44 wherein said circuitry configured to detect said mobile device is within a certain proximity of said computer system is via Bluetooth connectivity.

15

46. The system according to claim 44 further comprising:

circuitry configured to receive a user identification and a password; and

circuitry configured to transmit said user identification and said password to mobile device.

20

47. The system according to claim 46 further comprising;

circuitry configured to receive an authentication success acknowledgement from said mobile device.

25

48. The system according to claim 44 further comprising:

circuitry configured to detect a dismount request from said mobile device; and

circuitry configured to remove said virtual file system from said computer system in response to said dismount request.

30

49. The system according to claim 48 further comprising:

circuitry configured to update said data retrieved from said cloud network storage;

and

circuitry configured for transmit said updated data to said cloud network storage.

35

50. The system according to claim 48 further comprising:

circuitry configured to update said meta data;

circuitry configured to transmit said updated meta data to said mobile device; and
circuitry configured to receive a confirmation that said updated meta data is received
by said mobile device.

5 51. The system according to claim 44 further comprising:
circuitry configured to detect said mobile device is outside a certain proximity.

52. The system according to claim 51 further comprising:
circuitry configured to remove said virtual file system from said computer system in
10 response to detection that said mobile device is outside said certain proximity.

53. The system according to claim 52 further comprising:
circuitry configured to update said data retrieved from said cloud network storage;
and
15 circuitry configured to transmit said updated data to said cloud network storage.

54. The system according to claim 52 further comprising:
circuitry configured to update said meta data;
circuitry configured to transmit said updated meta data to said mobile device via
20 telephonic means; and
circuitry configured to receive a confirmation that said updated meta data is received
by said mobile device.

55. The system according to claim 43 wherein said circuitry configured to receive said
25 mount request acknowledgement is via telephonic connection.

56. The system according to claim 43 wherein said circuitry configured to receive said
mount request acknowledgement is via network connection.

30 57. The system according to claim 43 further comprising:
circuitry configured to generate a remote mount request; and
circuitry configured to transmit said remote mount request to said mobile device.

58. The system according to claim 57 wherein said remote mount request comprises a
35 user identification, a password and endpoint address and port of said computer system.

59. The system according to claim 57 wherein said circuitry configured to transmit said remote mount request to said mobile device is via telephonic connection.

60. The system according to claim 57 wherein said circuitry configured to transmit said remote mount request to said mobile device is via network connection.

61. The system according to claim 60 further comprising:
circuitry configured to detect a dismount request from said mobile device; and
circuitry configured to remove said virtual file system from said computer system in response to said dismount request.

62. The system according to claim 61 further comprising:
circuitry configured to update said data retrieved from said cloud network storage;
and
circuitry configured to transmit said updated data to said cloud network storage.

63. The system according to claim 61 further comprising:
circuitry configured to update said meta data;
circuitry configured to transmit said updated meta data to said mobile device; and
circuitry configured to receive a confirmation that said updated meta data is received by said mobile device.

~~AMENDED~~ CLAIMS

1. A system in a computer system for accessing a cloud network storage comprising:
instructions for directing a processing unit to:

5 receive a mount request acknowledgement from a mobile device,
 mount a virtual file system in said computer system in response to receiving
said mount request acknowledgement;

 generate a file operation request;

 transmit said file operation request to said mobile device;

10 receive meta data from said mobile device,
 establish a connection to said cloud network storage using said meta data to
retrieve data from or write data to said cloud network storage,

 allow access to said data retrieved from or wrote to said cloud network
storage through said virtual file system, and

15 a media readable by said processing unit that stores said instructions for directing
said processing unit.

2. The system according to claim 1 further comprising:
instructions for directing said processing unit to:

20 detect said mobile device is within a certain proximity of said computer
system;

 generate a mount request; and

 transmit said mount request to said mobile device.

25 3. The system according to claim 2 wherein said instructions to detect said mobile
device is within a certain proximity of said computer system is via Bluetooth connectivity.

4. The system according to claim 2 further comprising:
instructions for directing said processing unit to:

30 receive a user identification and a password;

 transmit said user identification and said password to mobile device.

5. The system according to claim 4 further comprising;
instructions for directing said processing unit to:

35 receive an authentication success acknowledgement from said mobile device.

6. The system according to claim 2 further comprising:

instructions for directing said processing unit to:

detect a dismount request from said mobile device, and

remove said virtual file system from said computer system in response to detecting said dismount request.

5

7. The system according to claim 6 further comprising:

instructions for directing said processing unit to:

update said data retrieved from said cloud network storage, and

transmit said updated data to said cloud network storage.

10

8. The system according to claim 6 further comprising:

instructions for directing said processing unit to:

update said meta data,

transmit said updated meta data to said mobile device, and

15

receive a confirmation that said updated meta data is received by said mobile device.

9. The system according to claim 2 further comprising:

instructions for directing said processing unit to:

20

detect said mobile device is outside a certain proximity.

10. The system according to claim 9 further comprising:

instructions for directing said processing unit to:

remove said virtual file system from said computer system in response to

25

detecting said mobile device is outside said certain proximity.

11. The system according to claim 10 further comprising:

instructions for directing said processing unit to:

update said data retrieved from said cloud network storage, and

30

transmit said updated data to said cloud network storage.

12. The system according to claim 10 further comprising:

instructions for directing said processing unit to:

update said meta data,

35

transmit said updated meta data to said mobile device via telephonic means,
and

receive a confirmation that said updated meta data is received by said mobile device.

13. The system according to claim 1 wherein said instructions to receive said mount
5 request acknowledgement from said mobile device is via telephonic connection.

14. The system according to claim 1 wherein said instructions to receive said mount
request acknowledgement from said mobile device is via network connection.

10 15. The system according to claim 1 further comprising:
instructions for directing said processing unit to:
generate a remote mount request; and
transmit said remote mount request to said mobile device.

15 16. The system according to claim 15 wherein said remote mount request comprises a
user identification, a password and endpoint address and port of said computer system.

17. The system according to claim 15 wherein said instructions to transmit said remote
mount request to said mobile device is via telephonic connection.

20

18. The system according to claim 15 wherein said instructions to transmit said remote
mount request to said mobile device is via network connection.

19. The system according to 15 further comprising:
25 instructions for directing said processing unit to:
detect a dismount request from said mobile device, and
remove said virtual file system from said computer system in response to
said dismount request.

30 20. The system according to claim 19 further comprising:
instructions for directing said processing unit to:
update said data retrieved from said cloud network storage, and
transmit said updated data to said cloud network storage.

35 21. The system according to claim 19 further comprising:
instructions for directing said processing unit to:

update said meta data,
transmit said updated meta data to said mobile device, and
receive a confirmation that said updated meta data is received by said mobile device.

5

22. A method for accessing a cloud network storage comprising:
receiving a mount request acknowledgement from a mobile device;
mounting a virtual file system in said computer system in response to receiving said
mount request acknowledgement;
10 generating a file operation request;
transmitting said file operation request to said mobile device;
receiving meta data from said mobile device;
establishing a connection to said cloud network storage using said meta data to
retrieve data from or write data to said cloud network storage; and
15 allowing access to said data retrieved from or wrote to said cloud network storage
through said virtual file system.

23. The method according to claim 22 further comprising:
detecting said mobile device is within a certain proximity of said computer system;
20 generating a mount request; and
transmitting said mount request to said mobile device.

24. The method according to claim 23 wherein said step of detecting said mobile device
is within a certain proximity of said computer system is performed via Bluetooth connectivity.

25

25. The method according to claim 23 further comprising:
receiving a user identification and a password; and
transmitting said user identification and said password to mobile device.

30 26. The method according to claim 25 further comprising:
receiving an authentication success acknowledgement from said mobile device.

27. The method according to claim 23 further comprising:
detecting a dismount request from said mobile device; and
35 removing said virtual file system from said computer system in response to said
dismount request.

28. The method according to claim 27 further comprises:
updating said data retrieved from said cloud network storage;
transmitting said updated data retrieved to said cloud network storage.

5

29. The method according to claim 27 further comprises:
updating said meta data;
transmitting said updated meta data to said mobile device; and
receiving a confirmation that said updated meta data is received by said mobile
10 device.

30. The method according to claim 23 further comprising:
detecting said mobile device is outside a certain proximity.

15 31. The method according to claim 30 further comprising:
removing said virtual file system from said computer system in response to said
mobile device being outside said certain proximity.

20 32. The method according to claim 31 further comprising:
updating said data retrieved from said cloud network storage; and
transmitting said updated data to said cloud network storage.

25 33. The method according to claim 31 further comprising:
updating said meta data;
transmitting said updated meta data to said mobile device via telephonic means; and
receiving a confirmation that said updated meta data is received by said mobile
device.

30 34. The method according to claim 22 wherein said step of receiving said mount request
acknowledgement is via telephonic connection.

35 35. The method according to claim 22 wherein said step of receiving said mount request
acknowledgement is via network connection.

36. The method according to claim 22 further comprising:
generating a remote mount request; and

transmitting said remote mount request to said mobile device.

37. The method according to claim 36 wherein said remote mount request comprises a user identification, a password and endpoint address and port of said computer system.

5

38. The method according to claim 36 wherein said step of transmitting said remote mount request to said mobile device is via telephonic connection.

39. The method according to claim 36 wherein said step of transmitting said remote mount request to said mobile device is via network connection.

10

40. The method according to claim 36 further comprising:
detecting a dismount request from said mobile device; and
removing said virtual file system from said computer system in response to said dismount request.

15

41. The method according to claim 40 further comprising:
updating said data retrieved from said cloud network storage;
transmitting said updated data to said cloud network storage; and
receiving a confirmation that said updated data retrieved from said cloud network storage is received by said cloud network storage.

20

42. The method according to claim 40 further comprising:
updating said meta data;
transmitting said updated meta data to said mobile device; and
receiving a confirmation that said updated meta data is received by said mobile device.

25

43. A system in a computer system for accessing a cloud network storage comprising:
circuitry configured to receive a mount request acknowledgement from a mobile device;

30

circuitry configured to mount a virtual file system in said computer system in response to receiving said mount request acknowledgement;

circuitry configured to generate a file operation request;

35

circuitry configured to transmit said file operation request to said mobile device;

circuitry configured to receive meta data from said mobile device;

circuitry configured to establish a connection to said cloud network storage using said meta data to retrieve data from or write data to said cloud network storage; and
circuitry configured to allow access to said data retrieved from or wrote to said cloud network storage through said virtual file system.

5

44. The system according to claim 43 further comprising:
circuitry configured to detect said mobile device is within a certain proximity of said computer system;
circuitry configured to generate a mount request; and
10 circuitry configured to transmit said mount request to said mobile device.

45. The system according to claim 44 wherein said circuitry configured to detect said mobile device is within a certain proximity of said computer system is via Bluetooth connectivity.

15

46. The system according to claim 44 further comprising:
circuitry configured to receive a user identification and a password; and
circuitry configured to transmit said user identification and said password to mobile device.

20

47. The system according to claim 46 further comprising;
circuitry configured to receive an authentication success acknowledgement from said mobile device.

25

48. The system according to claim 44 further comprising:
circuitry configured to detect a dismount request from said mobile device; and
circuitry configured to remove said virtual file system from said computer system in response to said dismount request.

30

49. The system according to claim 48 further comprising:
circuitry configured to update said data retrieved from said cloud network storage;
and
circuitry configured for transmit said updated data to said cloud network storage.

35

50. The system according to claim 48 further comprising:
circuitry configured to update said meta data;

circuitry configured to transmit said updated meta data to said mobile device; and
circuitry configured to receive a confirmation that said updated meta data is received
by said mobile device.

- 5 51. The system according to claim 44 further comprising:
circuitry configured to detect said mobile device is outside a certain proximity.
52. The system according to claim 51 further comprising:
circuitry configured to remove said virtual file system from said computer system in
10 response to detection that said mobile device is outside said certain proximity.
53. The system according to claim 52 further comprising:
circuitry configured to update said data retrieved from said cloud network storage;
and
15 circuitry configured to transmit said updated data to said cloud network storage.
54. The system according to claim 52 further comprising:
circuitry configured to update said meta data;
circuitry configured to transmit said updated meta data to said mobile device via
20 telephonic means; and
circuitry configured to receive a confirmation that said updated meta data is received
by said mobile device.
55. The system according to claim 43 wherein said circuitry configured to receive said
25 mount request acknowledgement is via telephonic connection.
56. The system according to claim 43 wherein said circuitry configured to receive said
mount request acknowledgement is via network connection.
- 30 57. The system according to claim 43 further comprising:
circuitry configured to generate a remote mount request; and
circuitry configured to transmit said remote mount request to said mobile device.
58. The system according to claim 57 wherein said remote mount request comprises a
35 user identification, a password and endpoint address and port of said computer system.

59. The system according to claim 57 wherein said circuitry configured to transmit said remote mount request to said mobile device is via telephonic connection.

60. The system according to claim 57 wherein said circuitry configured to transmit said remote mount request to said mobile device is via network connection.

61. The system according to claim 60 further comprising:
circuitry configured to detect a dismount request from said mobile device; and
circuitry configured to remove said virtual file system from said computer system in
response to said dismount request.

62. The system according to claim 61 further comprising:
circuitry configured to update said data retrieved from said cloud network storage;
and
circuitry configured to transmit said updated data to said cloud network storage.

63. The system according to claim 61 further comprising:
circuitry configured to update said meta data;
circuitry configured to transmit said updated meta data to said mobile device; and
circuitry configured to receive a confirmation that said updated meta data is received
by said mobile device.