CLAIMS

WHAT IS CLAIMED IS:

1. A computer-implemented method for data storage, comprising:

under the control of one or more computer systems configured with executable instructions,

monitoring data files of a first computing system;

determining an importance of one or more data files based at least in part on a quantified data inference algorithm, wherein the quantified data inference algorithm is based at least in part on user interaction with a data file from the one or more data files;

~~selectively~~ determining a set of data files from the one or more data files to send to a storage service based at least in part on ~~a~~ the determined importance of the ~~set of~~one or more data files; and

causing the set of data files to be uploaded for availability of the set of data files on other computing devices.

2. The computer-implemented method of claim 1, wherein determining an importance of one or more data files further comprises calculating an importance rating based at least in part on metadata describing the data file.

3. The computer-implemented method of claim 2, wherein the metadata comprises document type, document access history, document edit history, keywords, or author information.

4. The computer-implemented method of claim 1, wherein determining an importance of one or more data files further comprises calculating an importance rating based at least in part on a relationship with one or more applications installed on the first computing system.

~~5. The computer-implemented method of claim 1, wherein the quantified data inference algorithm is based at least in part on user interaction with a data file from the one or more data files.~~

~~6~~5. The computer-implemented method of claim 1, further comprising receiving an address of a second computing device registered to an account of the storage service to enable transmission of the set of data files to the second computing device.

~~7~~6. The computer-implemented method of claim 1, further comprising causing the set of data files to be stored by the storage service.

~~8~~7. The computer-implemented method of claim 1, further comprising indexing the set of data files to enable searching of the set of data files.

~~9~~8. The computer-implemented method of claim 1, wherein causing the set of data files to be uploaded further comprises encrypting the set of data files such that the set of data files is stored in encrypted form at the storage service.

~~10~~9. The computer-implemented method of claim 1, further comprising determining an importance rating of at least one file from the set of data files based at least in part on a file event or file attribute.

~~11~~10. A computer system for data storage, comprising:

one or more computing resources having one or more processors and memory including executable instructions that, when executed by the one or more processors, cause the one or more processors to implement at least:

a first computing system application configured to:

~~-~~determine an importance of one or more data files based at least in part on user interaction with a data file from the one or more data files; and

~~selectively~~ determine a set of data files from the one or more data files in a data structure to send to a storage service based on ~~a~~the determined importance of the one or more data files;

a second computing system application configured to receive the set of data files from the storage service; and

the storage service configured to manage synchronization of the set of data files between the first computing system and the second computing system.

~~12~~11. The computer system of claim ~~11~~10, wherein the first computing system further comprises a volume containing a file structure and wherein the data structure is a file structure.

~~13~~12. The computer system of claim ~~11~~10, wherein the storage service further comprises storage to store the set of data files.

~~14~~13. The computer system of claim ~~13~~12, wherein the storage service further comprises a web application that provides an editor for at least one data file from the set of data files stored by the storage.

~~15~~14. The computer system of claim ~~13~~12, further comprising a search service that indexes the set of data files stored by the storage and provides a search interface.

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under the control of one or more computer systems configured with executable instructions,

monitoring data files of a first computing system;

determining an importance of one or more data files based at least in part on a quantified data inference algorithm, wherein the quantified data inference algorithm is based at least in part on user interaction with a data file from the one or more data files;

determining a set of data files from the one or more data files to send to a storage service based at least in part on the determined importance of the one or more data files; and

causing the set of data files to be uploaded for availability of the set of data files on other computing devices.

2. The computer-implemented method of claim 1, wherein determining an importance of one or more data files further comprises calculating an importance rating based at least in part on metadata describing the data file.

3. The computer-implemented method of claim 2, wherein the metadata comprises document type, document access history, document edit history, keywords, or author information.

4. The computer-implemented method of claim 1, wherein determining an importance of one or more data files further comprises calculating an importance rating based at least in part on a relationship with one or more applications installed on the first computing system.

5. The computer-implemented method of claim 1, further comprising receiving an address of a second computing device registered to an account of the storage service to enable transmission of the set of data files to the second computing device.