CLAIMS

WHAT IS CLAIMED IS:

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

running, by a service provider, a virtual machine including an operating system within a multi-tenant environment for a customer of the service provider;

monitoring the operating system for access of data files in a file structure of the operating system;

determining an importance indicator of at least a portion of the data files in the file structure, the importance indicator determined based at least in part on:-

recent access(es) to a respective data file in the file structure;

a user interaction event;

a relationship between the respective data file with at least one other data file in the file structure;

and

a first importance rating for the at least one other data file;

calculating a second importance rating for at least the portion of the data files based at least in part on the importance indicator; and

uploading at least a portion of the data files from the file structure to a storage service based at least in part on the second importance rating such that the uploaded data files become cached on a server for distribution to other computing devices.

2. The computer-implemented method of claim 1, wherein the importance indicator is based at least in part on a bloom filter.

3. The computer-implemented method of claim 1, further comprising causing multiple versions of the uploaded data files to be made available on a second computing system.

4. The computer-implemented method of claim 1, further comprising causing removal of one or more of the uploaded data files on the server based at least in part on a second importance indicator of the one or more of the uploaded data files.

5. The computer-implemented method of claim 1, further comprising causing a supplemental data file supporting an uploaded data file with the uploaded data file to be cached on the server.

6. The computer-implemented method of claim 1, further comprising:

monitoring the virtual machine for one or more changes to the uploaded data files; and

uploading the one or more changes to the data files from a first computing system to form a new version of the data file.

7. One or more computer-readable storage media having collectively stored thereon executable instructions that, when executed by one or more processors of a computer system, cause the computer system to at least:

determine an importance indicator of data files of a first computing system based at least in part on:-

a user interaction event corresponding to a respective data file of the data files;

a relationship between the respective data file with at least one other data file; and

a first importance rating for the at least one other data file;

calculate a second importance rating for the data files based at least in part on the importance indicator;

determine a set of data files of the first computing system based at least in part on the second importance rating; and

upload the set of data files to the computer system that associates the first computing system and a second computing system and is configured to transmit the uploaded files to the second computing system.

8. The computer-readable storage media of claim 7, wherein the instructions further comprise instructions that, when executed, cause the computer system to at least temporarily store the set of data files; and

wherein the upload of the set of data files further comprises distributing the set of data files to the second computing system.

9. The computer-readable storage media of claim 7, wherein the instructions further comprise instructions that, when executed, cause the computer system to at least restrict the set of data files to a subset of the set of data files based at least in part on permissions granted to a user of the second computing system.

10. The computer-readable storage media of claim 7, wherein determining the importance indicator is further based at least in part on a recency of access of each data file in the set of data files.

11. The computer-readable storage media of claim 7, wherein the determining the importance indicator is further based at least in part on a set of applications installed on the first computing system.

12. The computer-readable storage media of claim 7,

wherein the set of data files is a list of data files determined to be sent to the second computing system; and

wherein the upload of the set of data files further comprises receiving an address of the second computing system to facilitate direct communication of the set of data files to the second computing system by the first computing system.

13. The computer-readable storage media of claim 7, wherein the set of data files contains a subset of a set of data files in a folder with at least one file from the set of data files in the folder being outside of the subset.

14. A computer-implemented method for providing data, comprising:

determining an importance indicator of data files of a first computing system; the importance indicator determined based at least in part on;

a user interaction event;

a relationship between a respective data file with at least one other data file; and

a first importance rating for the at least one other data file;

calculating a second importance rating for at least the portion of the data files based at least in part on the importance indicator;

determining a set of data files of the first computing system based at least in part on the second importance rating; and

uploading the set of data files to a computer system that associates the first computing system and a second computing system and is configured to transmit the uploaded files to the second computing system.

15. The computer-implemented method of claim 14, further comprising:

temporarily storing the set of data files; and

wherein uploading the set of data files further comprises distributing the set of data files to the second computing system.

16. The computer-implemented method of claim 14, further comprising:

restricting the set of data files to a subset of the set of data files based at least in part on permissions granted to a user of the second computing system.

17. The computer-implemented method of claim 14, wherein determining the importance indicator is further based at least in part on a recency of access of each data file in the set of data files or a set of applications installed on the first computing system.

18. The computer-implemented method of claim 14,

wherein the set of data files is a list of data files determined to be sent to the second computing system; and

wherein uploading the set of data files further comprises receiving an address of the second computing system to facilitate direct communication of the set of data files to the second computing system by the first computing system.

19. The computer-implemented method of claim 14, wherein the set of data files contains a subset of a set of data files in a folder with at least one file from the set of data files in the folder being outside of the subset.

20. A system for performing the computer-implemented method of any one of claims 14 to 19, the system comprising the computer system, the first computing device and the second computing device.