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CLAIMS

WHAT IS CLAIMED IS:

1. A computer-implemented method comprising:

detecting input into an input device of the computing device indicating a command to open a data file, the data file accessible using at least one application installed on the computing device and the data file having a corresponding file type;

determining, based at least in part on a policy associated with the file type, that the data file is to be opened in a virtual computing environment, the virtual computing environment and the environment of the computing device separated by a network;

providing the data file to the virtual computing environment; and

transmitting, over the network, one or more executable instructions to cause a server to launch an application usable to open the data file within the virtual computing environment.

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

receiving, from the server, a modified data file, the modified data file created as a result of the data file being opened using the application within the virtual computing environment; and

synchronizing the data file and the modified data file.

3. The computer-implemented method of claim 1 or 2, wherein the policy is encoded in a registry file of an operating system of the computer system, the registry file specifying that data files having the corresponding file type are to be associated with a location determination application that determines that the data files are to be opened in the virtual computing environment.

4. The computer-implemented method of any one of claims 1 - 3, further comprising, as a result of determining that the data file is to be opened in the virtual computing environment, providing one or more credentials associated with a user of the computing device to enable the computing device to be used to access the virtual computing environment.

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5. A system, comprising:

one or more processors; and

memory including instructions that, as a result of being executed by the one or more processors, cause the system to:

detect, in a first computing environment, a command to open a data file;

determine, based at least in part on a policy associated with the data file, that the data file is to be opened in a second computing environment, the first computing environment and second computing environment separated by a network; and

transmit, over the network, information to the second computing environment that causes the data file to be opened within the second computing environment.

6. The system of claim 5, wherein the policy is encoded in a registry file associated with the data file.

7. The system of claim 5 or 6, wherein the instructions, when executed by the one or more processors, further cause the system to:

detect, in the first computing environment, a command to open a second data file;

determine, based at least in part on a policy associated with the second data file, that the second data file is to be opened using an application within the first computing environment; and

launch the application to enable use of the second data file.

8. The system of any one of claims 5 - 7, wherein the first computing environment is a single-tenant virtual computing environment streamed to the system over the network.

9. The system of any one of claims 5 - 8, wherein the instructions, when executed by the one or more processors, further cause the system to:

receive, from the second computing environment, a modified data file, the modified data file created as a result of the data file being opened using the application within the second computing environment; and

synchronize the data file and the modified data file within the first computing environment.

10. A non-transitory computer-readable storage medium having stored thereon executable instructions that, as a result of being executed by one or more processors of a computer system, cause the computer system to at least:

in response to detecting, within a first computing environment, a command to open a data file having a corresponding file type:

select, based at least in part on a policy associated with the file type, a single-tenant virtual computing environment from a plurality of single-tenant virtual computing environments accessible to the computer system, the first computing environment and the single-tenant virtual computing environment separated by a network; and

transmit, over the network, information to the single-tenant virtual computing environment that causes the data file to be opened within the selected single-tenant virtual computing environment.

11. The non-transitory computer-readable storage medium of claim 10, wherein the instructions further comprise instructions that, as a result of being executed by the one or more processors, cause the computer system to provide one or more credentials associated with a user computing device of the first computing environment to enable the user computing device to access the single-tenant virtual computing environment.

12. The non-transitory computer-readable storage medium of claim 10 or 11, wherein the first computing environment includes an operating system that is distinct from an operating system of the single-tenant virtual computing environment.

13. The non-transitory computer-readable storage medium of any one of claims 10 - 12, wherein the instructions further include instructions that, as a result of being executed by the one or more processors, cause the computer system to, as a result of selecting the single-tenant virtual computing environment from the plurality of single-tenant virtual computing environments, transmit information that causes the single-tenant virtual computing environment to be provisioned.

14. The non-transitory computer-readable storage medium of any one of claims 10 - 13, wherein the policy associated with the file type specifies an ordering of the single-tenant virtual computing environments based at least in part on one or more security aspects of each single-tenant virtual environment of the plurality of single-tenant virtual computing environments.

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15. The non-transitory computer-readable storage medium of any one of claims 10 - 14, wherein the policy is encoded in a registry file of an operating system of the first computing environment, the registry file specifying that data files having the corresponding file type are to be associated with a location determination application configured to determine that the data files are to be opened in the single-tenant virtual computing environment.