

CLAIMS

1. A method of erasing a cloud host in a cloud-computing environment, comprising:
 - receiving a request of secure erasing a cloud host;
 - receiving a selection from a user, and determining the cloud host to be erased and a corresponding erasing manner according to the selection;
 - shutting down the cloud host to be erased on the corresponding host machine according to the request of secure erasing the cloud host;
 - generating an erase instruction according to the request of secure erasing the cloud host;
 - and
 - sending the erase instruction to a secure erasing server, such that the secure erasing server calls a secure erasing daemon process on a corresponding host machine according to the erase instruction, and erases the cloud host to be erased from the host machine via the secure erasing daemon process, wherein the sending of the erase instruction to the secure erasing server comprises:
 - sending the erase instruction to the secure erasing server, such that the secure erasing server forwards the erase instruction to the secure erasing daemon process on the host machine;
 - adding, by the secure erasing daemon process, a file corresponding to the cloud host to be erased to an erase queue according to the erase instruction, and generating a corresponding erase task;
 - configuring the erase task in the erase queue with low priority via the secure erasing daemon process; and
 - executing, by the secure erasing daemon process, the erase tasks in the erase queue respectively with low priority according to an erasing manner corresponding to the cloud host to be erased.
2. The method of claim 1, further comprising:
 - receiving an erase completion instruction sent by the secure erasing server; and

erasing a virtual machine corresponding to the cloud host to be erased on the host machine according to the erase completion instruction.

3. The method of claim 1, further comprising:

determining an input/output (I/O) resource consumption of a disk according to a disk space, a space occupied by the cloud host to be erased, and the corresponding erasing manner.

4. A server configured to erase a cloud host in a cloud-computing environment, comprising a processor; and a memory storing instructions, which, when executed by the processor cause the processor to perform steps comprising:

receiving a request of secure erasing a cloud host;

receiving a selection from a user, and determining the cloud host to be erased and a corresponding erasing manner according to the selection;

shutting down the cloud host to be erased on the corresponding host machine according to the request of secure erasing a cloud host;

generating an erase instruction according to the request of secure erasing the cloud host; and

sending the erase instruction to a secure erasing server, such that the secure erasing server calls a secure erasing daemon process on a corresponding host machine according to the erase instruction, and erases the cloud host to be erased from the host machine via the secure erasing daemon process wherein the sending of the erase instruction to the secure erasing server comprises:

sending the erase instruction to the secure erasing server, such that the secure erasing server forwards the erase instruction to the secure erasing daemon process on the host machine;

adding, by the secure erasing daemon process, a file corresponding to the cloud host to be erased to an erase queue according to the erase instruction, and generating a corresponding erase task;

configuring the erase task in the erase queue with low priority via the secure erasing daemon process; and

executing, by the secure erasing daemon process, the erase tasks in the erase queue respectively with low priority according to the erasing manner corresponding to the cloud host to be erased.

5. The server of claim 4, wherein when executed by processor, the instructions further cause the processor to perform steps comprising:

- receiving an erase completion instruction sent by the secure erasing server; and
- erasing a virtual machine corresponding to the cloud host to be erased on the host machine according to the erase completion instruction.

6. The server of claim 4, wherein when executed by processor, the instructions further cause the processor to perform steps comprising:

- determining the disk I/O resource consumption according to a disk space, a space occupied by the cloud host to be erased, and the corresponding erasing manner.

7. At least one non-transitory computer-readable storage medium having computer-readable instructions stored thereon, the instructions when executed by at least one processor cause the at least one processor to perform steps comprising:

- receiving a request of secure erasing a cloud host;
- receiving a selection from a user, and determining the cloud host to be erased and a corresponding erasing manner according to the selection;
- shutting down the cloud host to be erased on the corresponding host machine according to the request of secure erasing a cloud host;
- generating an erase instruction according to the request of secure erasing the cloud host; and
- sending the erase instruction to a secure erasing server, such that the secure erasing server calls a secure erasing daemon process on a corresponding host machine according to the erase instruction, and erases the cloud host to be erased from the host machine via the secure erasing daemon process, wherein sending the erase instruction to the secure erasing server comprises:

- sending the erase instruction to the secure erasing server, such that the

secure erasing server forwards the erase instruction to the secure erasing daemon process on the host machine;

adding, by the secure erasing daemon process, a file corresponding to the cloud host to be erased to an erase queue according to the erase instruction, and generating a corresponding erase task;

configuring the erase task in the erase queue with low priority via the secure erasing daemon process; and

executing, by the secure erasing daemon process, the erase tasks in the erase queue respectively with low priority according to the erasing manner corresponding to the cloud host to be erased.

8. The non-transitory computer-readable storage medium of claim 7, wherein when executed by processor, the instructions further cause the processor to perform steps comprising:

receiving an erase completion instruction sent by the secure erasing server; and

erasing a virtual machine corresponding to the cloud host to be erased on the host machine according to the erase completion instruction.

9. The non-transitory computer-readable storage medium of claim 7, wherein when executed by the processor, the instructions further cause the processor to perform steps comprising:

determining the disk I/O resource consumption according to a disk space, a space occupied by the cloud host to be erased, and the corresponding erasing manner.