CLAIMS

What is claimed is:

1. A virtual machine management method for a cloud platform, wherein the method comprises:

obtaining, by the cloud platform, a first client image file and a license, wherein the first client image file carries a first software operating environment, the license is used to perform activation authentication on a software in the first software operating environment of the first client image file, and the first client image file is uploaded, by a client, to an Object Storage Service (OSS) user bucket provided by the cloud platform;

providing, by the cloud platform, a Bring Your Own License (BYOL) option and a Buy License From Platform (BLFP) option;

receiving, by the cloud platform, an instruction for triggering the BYOL option;

generating, by the cloud platform, a first cloud platform image file according to the first client image file in the OSS user bucket, wherein the first cloud platform image file is used to create a first virtual machine on the cloud platform, the software in the first virtual machine is activated based on the license, and a license fee of the software running on the first virtual machine is exempted in the cloud platform.

2. The method according to claim 1, wherein the method comprises:

providing, by the cloud platform, an image file upload box, a name text box, and an OS version selection box, wherein the image file upload box is used to receive the first client image file uploaded by the client, the name text box is used to enter a name of the first client image file, and the OS version selection box is used to select an OS version of the first client image file.

3. The method according to any one of claims 1 to 2, wherein the software in the first software operating environment is an operating system.

4. The method according to any one of claims 1 to 3, wherein the software in the first software operating environment is an application software.

5. The method according to any one of claims 1 to 4, wherein a format of the first cloud platform image file is a qcow2 format or a zvhd format.

6. The method according to any one of claims 1 to 5, wherein a format of the first client image file is one of a vhd format, a qcow2 format, a zvhd format, or a vmdk format.

7. A virtual machine management method for a cloud platform, wherein the method comprises:

obtaining, by the cloud platform, a second client image file, wherein the second client image file carries a first software operating environment, and the second client image file is uploaded, by a client, to an Object Storage Service (OSS) user bucket provided by the cloud platform;

providing, by the cloud platform, a Bring Your Own License (BYOL) option and a Buy License From Platform (BLFP) option;

receiving, by the cloud platform, an instruction for triggering the BLFP option;

generating, by the cloud platform, a second cloud platform image file according to the second client image file in the OSS user bucket, wherein the second cloud platform image file is used to create a second virtual machine on the cloud platform, the second software operating environment and a license which provided by the cloud platform are set on the second virtual machine, and the license is used to perform activation authentication a software in the second software operating environment, the software in the second virtual machine is activated based on the license.

8. The method according to claim 7, wherein the method comprises:

providing, by the cloud platform, an image file upload box, a name text box, and an OS version selection box, wherein the image file upload box is used to receive the second client image file uploaded by the client, the name text box is used to enter a name of the second client image file, and the OS version selection box is used to select an OS version of the second client image file.

9. The method according to any one of claims 7 to 8, wherein the software in the second software operating environment is an operating system.

10. The method according to any one of claims 7 to 8, wherein the software in the second software operating environment is an application software.

11. The method according to any one of claims 7 to 10, wherein a format of the second cloud platform image file is a qcow2 format or a zvhd format.

12. The method according to any one of claims 7 to 11, wherein a format of the second client image file is one of a vhd format, a qcow2 format, a zvhd format, or a vmdk format.

13. The method according to any one of claims 7 to 12, wherein the license is a license provided by the client or another cloud platform.

14. The method according to any one of claims 7 to 13, wherein a license fee of the software in the second software operating environment in the second virtual machine is charged in the cloud platform.

15. A virtual machine management apparatus for a cloud platform, wherein the apparatus comprises:

a first obtaining module, configured to obtain a first client image file and a license, wherein the first client image file carries a first software operating environment, the license is used to perform activation authentication on a software in the first software operating environment of the first client image file, and the first client image file is uploaded, by a client, to an Object Storage Service ,OSS, user bucket provided by the cloud platform;

a first generation module, configured to provide a Bring Your Own License (BYOL) option and a Buy License From Platform (BLFP) option; receive an instruction for triggering the BYOL option; generate a first cloud platform image file according to the first client image file in the OSS user bucket, wherein the first cloud platform image file is used to create a first virtual machine on the cloud platform, and a license fee of the software running on the first virtual machine is exempted in the cloud platform, the software in the first virtual machine is activated based on the license.

16. The apparatus according to claim 15, wherein the first obtaining module, further configured to provide an image file upload box, a name text box, and an OS version selection box, wherein the image file upload box is used to receive the first client image file uploaded by the client, the name text box is used to enter a name of the first client image file, and the OS version selection box is used to select an OS version of the first client image file.

17. The apparatus according to any one of claims 15 to 16, wherein the software in the first software operating environment is an operating system.

18. The apparatus according to any one of claims 15 to 16, wherein the software in the first software operating environment is an application software.

19. The apparatus according to any one of claims 15 to 18, wherein a format of the first cloud platform image file is a qcow2 format or a zvhd format.

20. The apparatus according to any one of claims 15 to 20, wherein a format of the first client image file is one of a vhd format, a qcow2 format, a zvhd format, or a vmdk format.

21. A virtual machine management apparatus for a cloud platform, wherein the apparatus comprises:

an obtaining module, configured to obtain a second client image file, wherein the second client image file carries a first software operating environment, and the second client image file is

uploaded, by a client, to an Object Storage Service (OSS) user bucket provided by the cloud platform;;

a generation module, configured to provide a Bring Your Own License (BYOL) option and a Buy License From Platform (BLFP) option; receive an instruction for triggering the BLFP option; generate a second cloud platform image file according to the second client image file in the OSS user bucket, wherein the second cloud platform image file is used to create a second virtual machine on the cloud platform, the second software operating environment and a license which provided by the cloud platform are set on the second virtual machine, and the license is used to perform activation authentication on a software in the second software operating environment, the software in the second virtual machine is activated based on the license.

22. The apparatus according to claim 21, wherein the generation module is further configured to provide an image file upload box, a name text box, and an OS version selection box, wherein the image file upload box is used to receive the second client image file uploaded by the client, the name text box is used to enter a name of the second client image file, and the OS version selection box is used to select an OS version of the second client image file.

23. The apparatus according to any one of claims 21 to 22, wherein the software in the second software operating environment is an operating system.

24. The apparatus according to any one of claims 21 to 22, wherein the software in the second software operating environment is an application software.

25. The apparatus according to any one of claims 21 to 24, wherein a format of the second cloud platform image file is a qcow2 format or a zvhd format.

26. The apparatus according to any one of claims 21 to 25, wherein a format of the second client image file is one of a vhd format, a qcow2 format, a zvhd format, or a vmdk format.

27. The apparatus according to any one of claims 21 to 26, wherein a license fee of the software running on the second virtual machine is charged in the cloud platform.

28. A computer program configured to cause a computer to execute a method according to any one of claims 1 to 6.

29. A computer readable storage medium which stores the computer program according to claim 28.

30. A computer program configured to cause a computer to execute a method according to any one of claims 7 to 14.

31. A computer readable storage medium which stores the computer program according to claim 30.