CLAIMS

~~What is claimed is:~~

1. A public cloud network configuration method, wherein the method is applied to a cloud management platform, and comprises:

providing(S401, S402) an input interface for a tenant, wherein the input interface is configured to receive a virtual machine network interface identifier input by the tenant, and the virtual machine network interface identifier identifies a network interface of a virtual machine for which a sub-interface needs to be configured; and

determining(S403, S404) the network interface of the virtual machine corresponding to the virtual machine network interface identifier, configuring the sub-interface for the network interface, and providing information about the sub-interface for the tenant.

2. The method according to claim 1, wherein the input interface is further configured to receive configuration information of the sub-interface that is input by the tenant, and the method further comprises:

configuring, by the cloud management platform, the sub-interface based on the configuration information.

3. The method according to claim 1 or 2, wherein the sub-interface is bound to a container in the virtual machine, and the container performs network packet processing through the sub-interface.

4. The method according to claim 3, wherein the configuration information of the sub-interface comprises a security group rule, and the security group rule is used to perform security group processing on a packet of the container bound to the sub-interface.

5. The method according to any one of claims 1 to 4, wherein the configuration information of the sub-interface comprises subnet information of the sub-interface and a virtual local area network identifier VlanID of the sub-interface.

6. The method according to claim 4 or 5, wherein the determining the network interface of the virtual machine corresponding to the virtual machine network interface identifier, configuring the sub-interface for the network interface, and providing information about the sub-interface to the tenant comprises:

determining a server in which the virtual machine corresponding to the virtual machine

network interface identifier is located; and

notifying a virtual machine manager of the server to configure the sub-interface under the network interface of the virtual machine.

7. The method according to any one of claims 1 to 6, wherein the information about the sub-interface comprises one or any combination of a sub-interface identifier UUID of the sub-interface, a private network address and the subnet information of the sub-interface, a media access control MAC address of the sub-interface, and the virtual local area network identifier VlanID of the sub-interface.

8. The method according to any one of claims 1 to 7, wherein the input interface comprises a configuration interface, an application programming interface API, and an input template.

9. A network device, comprising:

a receiving module(910), configured to receive a virtual machine network interface identifier input by a tenant, wherein the virtual machine network interface identifier identifies a network interface of a virtual machine for which a sub-interface needs to be configured; and

a processing module(920), configured to determine the network interface of the virtual machine corresponding to the virtual machine network interface identifier, configure the sub-interface for the network interface, and provide information about the sub-interface for the tenant.

10. The network device according to claim 9, wherein

the receiving module is further configured to receive configuration information of the sub-interface that is input by the tenant; and

the processing module is further configured to configure the sub-interface based on the configuration information.

11. The network device according to claim 9 or 10, wherein the sub-interface is bound to a container in the virtual machine, and the container performs network packet processing through the sub-interface.

12. The network device according to claim 11, wherein the configuration information of the sub-interface comprises a security group rule, and the security group rule is used to perform security group processing on a packet of the container bound to the sub-interface.

13. The network device according to any one of claims 9 to 12, wherein the configuration information of the sub-interface comprises subnet information of the sub-interface and a virtual local area network identifier VlanID of the sub-interface.

14. The network device according to claim 12 or 13, wherein the processing module is specifically configured to:

determine a server in which the virtual machine corresponding to the virtual machine network interface identifier is located; and

notify a virtual machine manager of the server to configure the sub-interface under the network interface of the virtual machine.

15. The network device according to any one of claims 9 to 14, wherein the information about the sub-interface comprises one or any combination of a sub-interface identifier UUID of the sub-interface, a private network address and the subnet information of the sub-interface, a media access control MAC address of the sub-interface, and the virtual local area network identifier VlanID of the sub-interface.

~~16. The network device according to any one of claims 9 to 15, wherein an input interface comprises a configuration interface, an application programming interface API, and an input template.~~

~~17. A computing device, wherein the computing device comprises a memory and a processor, and the processor executes computer instructions stored in the memory, to enable the computing device to perform the method according to any one of claims 1 to 8.~~

~~18~~16. A computer-readable storage medium, wherein the computer-readable storage medium stores a computer program, and when the computer program is executed by a processor, the processor performs the method according to any one of claims 1 to 8.