CLAIMS

What is claimed is:

1. A cloud service resource provisioning method, comprising:

providing a configuration interface, wherein the configuration interface is for prompting a tenant to enter a cloud service requirement;

obtaining the cloud service requirement from the configuration interface, and determining a region selection rule of the tenant based on the cloud service requirement; and

selecting a region according to the region selection rule, and allocating a cloud service in the region to the tenant.

2. The method according to claim 1, wherein the cloud service requirement comprises the region selection rule and a cloud service specification parameter.

3. The method according to claim 1, wherein the cloud service requirement comprises a virtual access point and a cloud service specification parameter, there is a binding relationship between the virtual access point and the region selection rule, and the determining a region selection rule of the tenant based on the cloud service requirement comprises:

determining the region selection rule of the tenant based on the virtual access point.

4. The method according to any one of claims 1 to 3, wherein the region selection rule comprises a region range determining rule, and the selecting a region according to the region selection rule comprises:

obtaining a geographical location of each region; and

selecting, based on the geographical location of each region, a region that meets the cloud service requirement.

5. The method according to any one of claims 1 to 3, wherein the region selection rule comprises a location awareness rule, and the selecting a region according to the region selection rule comprises:

obtaining a geographical location of each region and a geographical location of the tenant; and

selecting, based on a relationship between the geographical location of the tenant and the geographical location of each region, a region that meets the cloud service requirement.

6. The method according to any one of claims 1 to 3, wherein the region selection rule

comprises a network awareness rule, and the selecting a region according to the region selection rule comprises:

obtaining network quality information of each region, wherein the network quality information comprises a network delay; and

selecting a region with a minimum network delay based on the network quality information of each region.

7. The method according to any one of claims 1 to 3, wherein the region selection rule comprises a tenant awareness rule, and the selecting a region according to the region selection rule comprises:

obtaining an associated account of a tenant account; and

selecting, based on the tenant account and the associated account, a region that meets the cloud service requirement.

8. The method according to any one of claims 1 to 3, wherein the region selection rule comprises a stock resource awareness rule, and the selecting a region according to the region selection rule comprises:

obtaining resource distribution information of a tenant account in different regions; and

selecting, based on the resource distribution information of the tenant account in the different regions, a region that meets the cloud service requirement.

9. The method according to any one of claims 1 to 3, wherein the region selection rule comprises a load awareness rule, and the selecting a region according to the region selection rule comprises:

obtaining loads of a tenant account in different regions; and

selecting a region with a lowest load based on the loads of the tenant account in the different regions.

10. The method according to any one of claims 1 to 3, wherein the region selection rule comprises a price awareness rule, and the selecting a region according to the region selection rule comprises:

obtaining prices of cloud services in different regions; and

selecting a region with a lowest price of a cloud service based on the prices of the cloud services in the different regions.

11. A scheduling device, comprising:

a display module, configured to provide a configuration interface, wherein the configuration interface is for prompting a tenant to enter a cloud service requirement;

a processing module, configured to: obtain the cloud service requirement from the configuration interface, and determine a region selection rule of the tenant based on the cloud service requirement; and

a selection and allocation module, configured to: select a region according to the region selection rule, and allocate a cloud service in the region to the tenant.

12. The scheduling device according to claim 11, wherein the cloud service requirement comprises the region selection rule and a cloud service specification parameter.

13. The scheduling device according to claim 11, wherein the cloud service requirement comprises a virtual access point and a cloud service specification parameter, and there is a binding relationship between the virtual access point and the region selection rule; and

the processing module is further configured to determine the region selection rule of the tenant based on the virtual access point.

14. The scheduling device according to any one of claims 11 to 13, wherein the region selection rule comprises a region range determining rule, and

the selection and allocation module is specifically configured to:

obtain a geographical location of each region; and

select, based on the geographical location of each region, a region that meets the cloud service requirement.

15. The scheduling device according to any one of claims 11 to 13, wherein the region selection rule comprises a location awareness rule, and

the selection and allocation module is specifically configured to:

obtain a geographical location of each region and a geographical location of the tenant; and

select, based on a relationship between the geographical location of the tenant and the geographical location of each region, a region that meets the cloud service requirement.

16. The scheduling device according to any one of claims 11 to 13, wherein the region selection rule comprises a network awareness rule, and

the selection and allocation module is specifically configured to:

obtain network quality information of each region, wherein the network quality information comprises a network delay; and

select a region with a minimum network delay based on the network quality information of each region.

17. The scheduling device according to any one of claims 11 to 13, wherein the region selection rule comprises a tenant awareness rule, and

the selection and allocation module is specifically configured to:

obtain an associated account of a tenant account; and

select, based on the tenant account and the associated account of the tenant, a region that meets the cloud service requirement.

18. The scheduling device according to any one of claims 11 to 13, wherein the region selection rule comprises a stock resource awareness rule, and

the selection and allocation module is specifically configured to:

obtain resource distribution information of a tenant account in different regions; and

select, based on the resource distribution information of the tenant account in the different regions, a region that meets the cloud service requirement.

19. The scheduling device according to any one of claims 11 to 13, wherein the region selection rule comprises a load awareness rule, and

the selection and allocation module is specifically configured to:

obtain loads of a tenant account in different regions; and

select a region with a lowest load based on the loads of the tenant account in the different regions.

20. The scheduling device according to any one of claims 11 to 13, wherein the region selection rule comprises a price awareness rule, and

the selection and allocation module is specifically configured to:

obtain prices of cloud services in different regions; and

select a region with a lowest price of a cloud service based on the prices of the cloud services in the different regions.