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 default rule, and the selecting a region according to the region selection rule comprises: selecting a region according to the default rule.~~

~~5~~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.

~~6~~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.

~~7~~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.

~~8~~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.

~~9~~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.

~~10~~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.

~~11~~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.

~~12. The method according to any one of claims 1 to 3, wherein the region selection rule comprises a customized rule, and the selecting a region according to the region selection rule comprises: selecting, according to the customized rule, a region that meets the cloud service requirement.~~

~~13. The method according to any one of claims 4 to 12, wherein the region selection rule comprises any combination of the foregoing rules.~~

~~14~~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.

~~15~~12. The scheduling device according to claim ~~14~~11, wherein the cloud service requirement comprises the region selection rule and a cloud service specification parameter.

~~16~~13. The scheduling device according to claim ~~14~~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.

~~17. The scheduling device according to any one of claims 14 to 16, wherein the region selection rule comprises a default rule, and~~

~~the selection and allocation module is specifically configured to select a region according to the default rule.~~

~~18~~14. The scheduling device according to any one of claims ~~14~~ 11 to ~~16~~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.

~~19~~15. The scheduling device according to any one of claims 11 to 13~~14 to 16~~, 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.

~~20~~16. The scheduling device according to any one of claims 11 to 13~~14 to 16~~, 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.

~~21~~17. The scheduling device according to any one of claims 11 to 13~~14 to 16~~, 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.

~~22~~18. The scheduling device according to any one of claims 11 to 13~~14 to 16~~, 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.

~~23~~19. The scheduling device according to any one of claims 11 to 13~~14 to 16~~, 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.

~~24~~20. The scheduling device according to any one of claims 11 to 13~~14 to 16~~, 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.

~~25. The scheduling device according to any one of claims 14 to 16, wherein the region selection rule comprises a customized rule, and~~

~~the selection and allocation module is specifically configured to select a region according to the customized rule.~~

~~26. The scheduling device according to any one of claims 17 to 25, wherein the region selection rule comprises any combination of the foregoing rules.~~

~~27. 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 13.~~

~~28. 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 13.~~