

# **Auto Scaling**

# **Startup Configuration**

# **Product Introduction**



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# Startup Configuration

## Startup Configuration Overview

Last updated : 2017-04-14 15:32:29

Scaling configuration is a template for automatic creation of CVM. It contains image ID, CVM instance type, system disk/data disk types and capacities, key pair, security group, etc.

Scaling configuration must be specified when the scaling group is created. Once the scaling configuration is created, its attributes cannot be edited.

# Creating Startup Configuration

Last updated : 2018-05-29 14:56:57

In case of scale-up, AS needs to know beforehand what kind of configuration is required to produce CVMs, and you need to specify related resources in advance, such as image, data for data disk, instance configuration, key pair, security group, block storage device, etc.

Please note that scaling configuration is just a template based on which CVMs are produced during auto-scaling. **The creation of scaling configuration is free of charge since it will not lead to the production of CVM, please don't worry about the cost.**

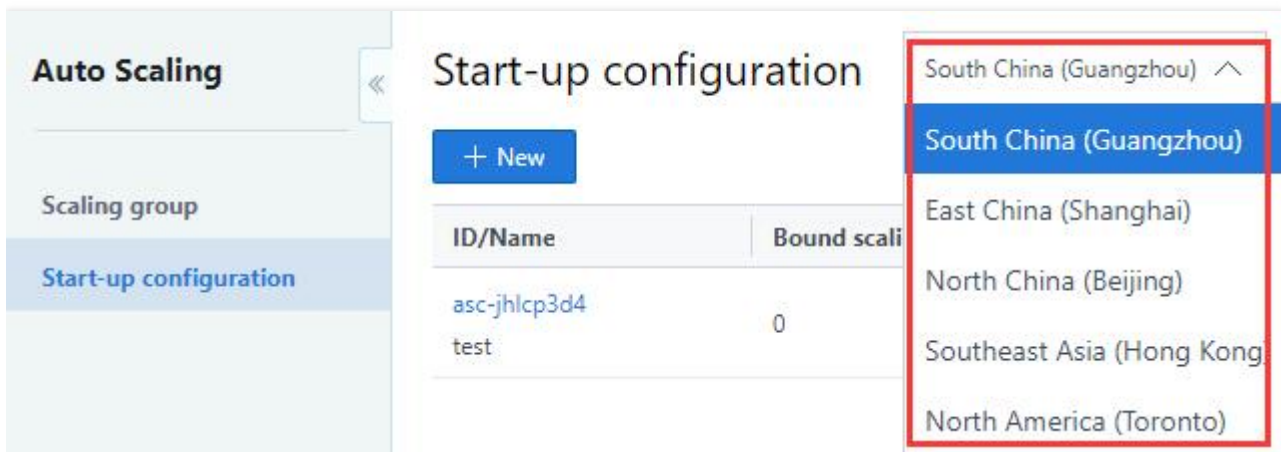
Log in to [Auto Scaling Console](#), and click **Scaling Configuration** in the navigation bar.

## Step 1. Selecting a Region

In the menu on the top of the screen, select a region you need for the scaling group.

Note:

Please note that you need to select the region of the CVM to which the scaling group will be bind. Both scaling configuration and scaling group are region-sensitive. For example, if you select Guangzhou as the region for the scaling configuration, it can only be bound to the scaling group in Guangzhou, and all the automatically added CVMs belong to Guangzhou.



## Step 2. Specifying Parameters

Click **Create**, and create scaling configuration as instructed using the same steps as those for purchasing CVM.

1. Enter **Configuration Name**, e.g. "Frontend Server Cluster Configuration A";

2. Select model, for example, 1 core 1 G (1-core CPU, 1 G memory);
3. Select an image. You can select a clean "public image", or a "custom image" on which the service has been deployed.

To make CVM become available directly after its creation, it is strongly recommended to deploy the business application into the custom image. **At the same time, the business application inside the image needs to be set to be started upon the boot-up of operating system.** Only by this way can the CVMs scaled up by AS be automated.

4. Select sizes of system and data disks.

If you want the data disk to come with data after the CVMs are activated, you can specify a data disk snapshot so that the CVMs produced will come with the data in the snapshot.

Note:

- Generally, the CVMs in the scaling group are stateless. You're recommended to place the data native to CVMs into the custom image. If the system disk has not enough space, you can submit a ticket for a larger one.
- If you want to store the data in the data disk, you need to set auto mount for the data disk to eliminate the need of manual intervention.

5. Select the bandwidth by following the procedure similar to that for purchasing CVM.
6. Set user name, password and security group.
7. Click **Finish**.
8. Create a scaling group based on this scaling configuration. Scaling configuration determines what kind of CVM is created, and scaling group determines when to perform scale-up.

# Viewing Startup Configuration List

Last updated : 2018-05-29 14:45:02

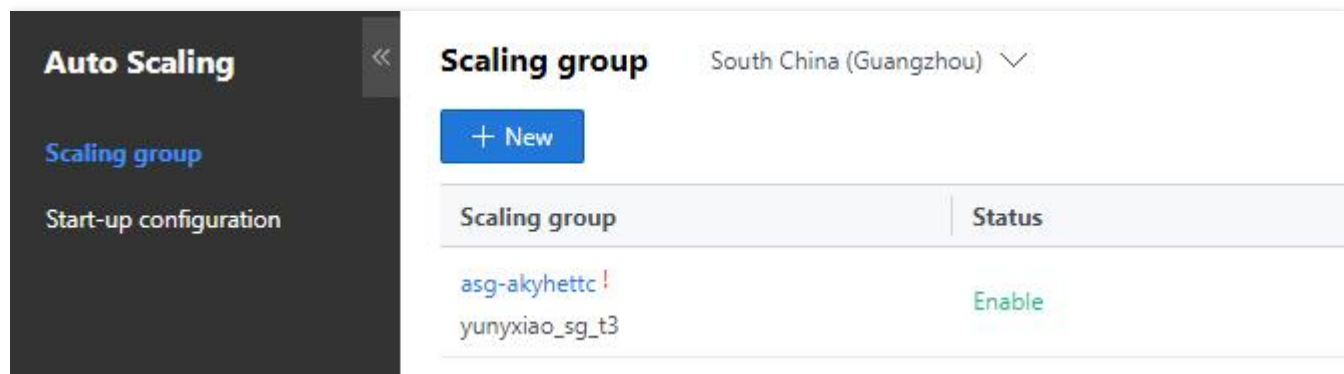
Scaling configuration is a template for automatic creation of CVM. It contains image ID, CVM instance type, system disk/data disk types and capacities, key pair, security group, etc.

Scaling configuration must be specified when the scaling group is created.  
Once the scaling configuration is created, its attributes cannot be edited.

Log in to [Auto Scaling Console](#), and click **Scaling Configuration** in the navigation bar to view the list.

- To check the details of a scaling configuration, please click the corresponding scaling configuration ID.
- To delete a scaling configuration, please click **Delete** in the corresponding scaling configuration entry.

Note: The scaling configuration bound to a scaling group cannot be deleted.



The screenshot shows the 'Auto Scaling' console interface. On the left is a dark sidebar with 'Auto Scaling' at the top, followed by 'Scaling group' (highlighted in blue) and 'Start-up configuration'. The main content area is titled 'Scaling group' with a location dropdown set to 'South China (Guangzhou)'. Below the title is a blue '+ New' button. A table lists the scaling groups:

Scaling group	Status
asg-akyhettc !	Enable
yunyxiao_sg_t3	

# Modifying Startup Configuration

Last updated : 2018-05-29 14:58:23

The scaling configuration is not editable, but it can be changed for scaling group.

After the application upgrade and data update, please change the scaling configuration using the following steps:

**Step 1:** Create a new scaling configuration;

**Step 2:** Change the scaling configuration of the scaling group. In the details page of the scaling group, click **Edit** button. This will direct you to a new scaling configuration, as shown below:

**Auto Scaling**  
[Scaling group](#)  
Start-up configuration

[Back](#) | **yunyxiao\_sg\_t3**

[Scaling group details](#) [Associate CVM](#) [Alarm trigger policy](#)

**Basic info**

Name

yunyxiao\_sg\_t3

11 more chars allowed (English letters, numbers, underscores and separ

ID

asg-akyhettc

Region

Guangzhou - Guangzhou Zone 2

Minimum

0

scaling

number

Expected

0

?

number of

instances

Current

0

instances

Maximum

1

scaling

number

Removal

Remove the oldest CVM

▼

policy

Start-up

t

▼

configuration

t

# Detecting Exceptions

Last updated : 2018-05-29 14:59:36

AS boasts a powerful feature called "in-advance abnormality detection".

In some cases such as insufficient balance or wrongly deletion of image, it is impossible to create CVMs needed in a scale-up. AS will detect these abnormalities in advance and send an alarm. You can identify risks before the scaling activity fails, preventing losses at an early stage.

You can directly check it in the scaling configuration list. As shown below, "Invalid" in the "Validity" column indicates that your scaling configuration has become unavailable due to misoperation. The reason for the invalidity will be displayed if you hover the cursor over it.

Start-up configuration <span>South China (Guangzhou) ▾</span>					
<a href="#">+ New</a>					
ID/Name	Bound scaling ...	CPU/MEM	Bandwidth/network billing mode	System disk/Data disk	Validity
yunyxiao_as_t1	1	1-core 2GB	1Mbps Bill by traffic	Cloud Block Storage 50GB Cloud Block Storage 0GB	Invalid Invalid image
test	1	1-core 1GB	1Mbps Bill by traffic	Cloud Block Storage 50GB Cloud Block Storage 0GB	Valid

You can also click the scaling configuration ID to enter the details page of scaling configuration to check the details of problem:

[Back](#) | yunyxiao\_as\_t1**Startup configuration details**

Configuration yunyxiao\_as\_t1

name

ID

Model Standard, Series 1

CPU 1-core

MEM 2GB

System disk img-6flt6z1

image

This resource has been deleted