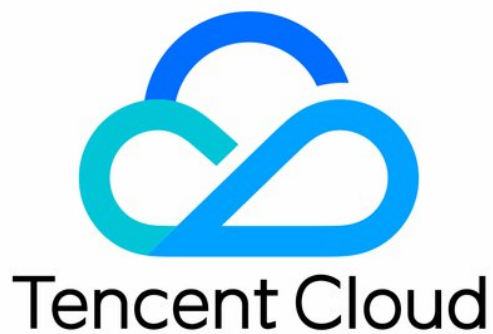


Auto Scaling

Scaling Groups

Product Documentation



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Contents

Scaling Groups

Scaling Group Overview

Creating Scaling Groups

Viewing Scaling Group List

Modifying Scaling Groups

Modifying Bound CVM

Combining Load Balancers and Scaling Groups

Delete Scaling Groups

Scaling Groups

Scaling Group Overview

Last updated : 2020-01-06 14:46:57

A scaling group contains a collection of CVM instances that follow the same policies and have a shared purpose. Scaling groups define attributes such as the maximum and minimum numbers of CVM instances in the group and their associated CLB instances.

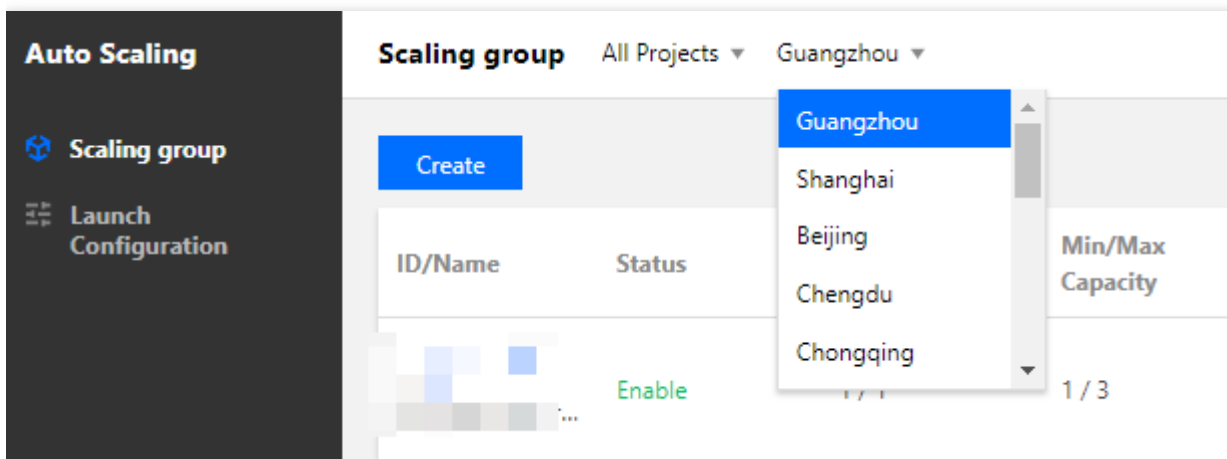
Creating Scaling Groups

Last updated : 2019-12-16 16:04:39

Log into [Auto Scaling Console](#), and select **Scaling Group** in the left sidebar.

1. Select a region

In the upper part of the console, select the target region. CVM instances and CLB instances must be the same region as the one specified for the launch configuration. For example, if Guangzhou is specified for the launch configuration, only CVM instances in Guangzhou will be automatically added to the scaling group. For a scaling group in Guangzhou, you cannot add CVM instances or bind CLB instances in any region (e.g., Shanghai, Beijing, Hong Kong (China), Toronto) other than Guangzhou.



2. Complete configuration

Click **New** and configure the scaling group:

- **Scaling Group Name:** identifies the scaling group. For example, **Website Logic Layer**.
- **Min Capacity:** defines the minimum number of instances in the scaling group
- **Initial Capacity:** defines the number of **automatically** created instances at the startup of the scaling group. The corresponding number of instances will be created upon the establishment of the scaling group.
- **Max Capacity:** defines the maximum number of instances in the scaling group
- **Launch Configuration:** defines the launch configuration. CVMs will be created according to this configuration when scale-out operations are performed.
- **Supported Networks:** the network attribute of the scaled-out CVMs, that is, whether the scaled-out CVMs are in the basic network or a VPC. Choose **Basic Network**, unless your cluster already uses VPC.

- **Supported Availability Zones:** defines in which availability zone the CVM will be automatically created during scale-out operations. You can select multiple availability zones. The scaled-out CVMs will be automatically created randomly in the selected availability zones, implementing cross-availability zone disaster recovery.
- **Removal Policy:** identifies which CVMs should be removed first when AS needs to remove instances from the scaling group for scale-in. Usually, you can select **Remove the oldest instances**. For more information, view the [details](#) of the two types of policies.
- **Cloud Load Balancer:** specifies a Cloud Load Balancer. CVMs created in the scale-out event will be automatically mounted to this CLB.

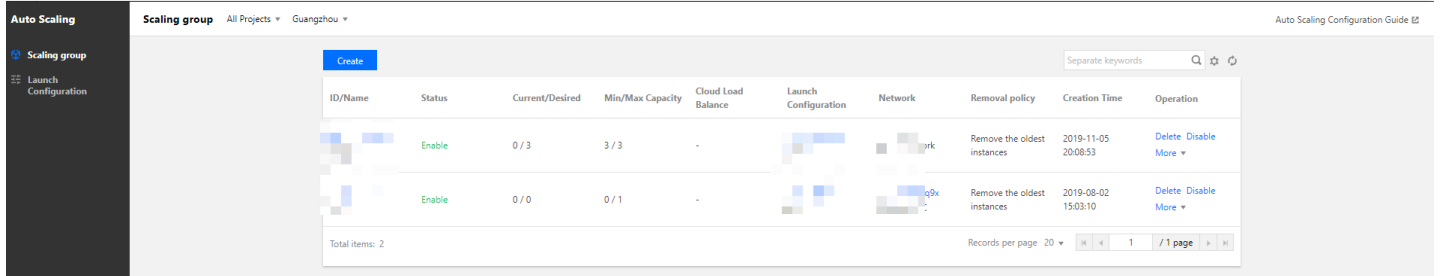
The scaling group is now created. To implement auto-scaling, you need proceed with the following 3 operations:

- Add existing CVMs
- Create scaling policies
- Create notification policies

Viewing Scaling Group List

Last updated : 2020-07-16 17:02:39

Log in to the Auto Scaling Console, and click [Scaling group](#) in the left sidebar to view the list, as shown below:



The screenshot displays the 'Scaling group' page in the Tencent Cloud Auto Scaling console. The page includes a sidebar with 'Scaling group' and 'Launch Configuration' options. The main content area shows a table of scaling groups with columns for ID/Name, Status, Current/Desired, Min/Max Capacity, Cloud Load Balance, Launch Configuration, Network, Removal policy, Creation Time, and Operation. Two scaling groups are listed, both with a status of 'Enable'. The first group was created on 2019-11-05 20:08:53, and the second on 2019-08-02 15:03:10. Both have a removal policy of 'Remove the oldest instances'. The table also shows a 'Create' button, a search bar, and pagination controls indicating 2 total items and 1 page.

ID/Name	Status	Current/Desired	Min/Max Capacity	Cloud Load Balance	Launch Configuration	Network	Removal policy	Creation Time	Operation
	Enable	0 / 3	3 / 3	-			Remove the oldest instances	2019-11-05 20:08:53	Delete Disable More
	Enable	0 / 0	0 / 1	-			Remove the oldest instances	2019-08-02 15:03:10	Delete Disable More

Modifying Scaling Groups

Last updated : 2020-01-06 14:46:24

Go to the [Auto Scaling Console](#), and select **Scaling Group** in the left sidebar.

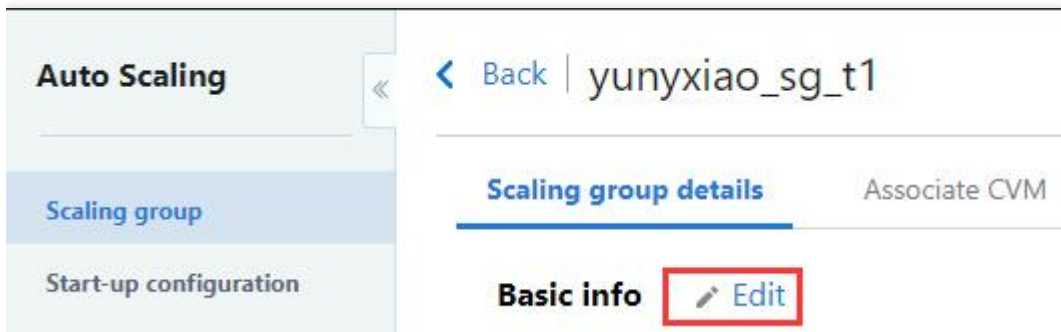
Select the scaling group to be modified, and click the ID of the scaling group to enter the basic information page.




The screenshot shows the 'Auto Scaling' console interface. On the left sidebar, 'Auto Scaling' is selected, and 'Scaling group' is highlighted. The main content area is titled 'Scaling group' and shows a list of scaling groups. The first group is 'asg-50e403ee' with the name 'yunyxiao_sg_t1' and a status of 'Enable'. The ID 'asg-50e403ee' is highlighted with a red box.

Scaling group	Status
asg-50e403ee yunyxiao_sg_t1	Enable

Click **Edit** to modify the scaling group's name, adjust the min capacity and max capacity, and modify the CVM instance removal policy, etc.



The screenshot shows the 'Basic info' page for the scaling group 'yunyxiao_sg_t1'. The page title is 'yunyxiao_sg_t1' and the breadcrumb is '< Back | yunyxiao_sg_t1'. The 'Scaling group details' tab is selected, and the 'Basic info' section is highlighted. An 'Edit' button with a pencil icon is highlighted with a red box.

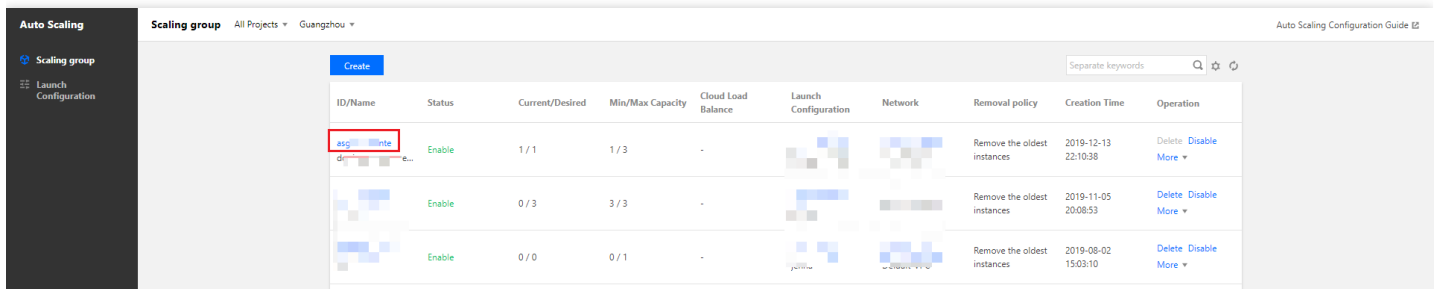
Basic info 

Modifying Bound CVM

Last updated : 2019-12-16 15:46:08

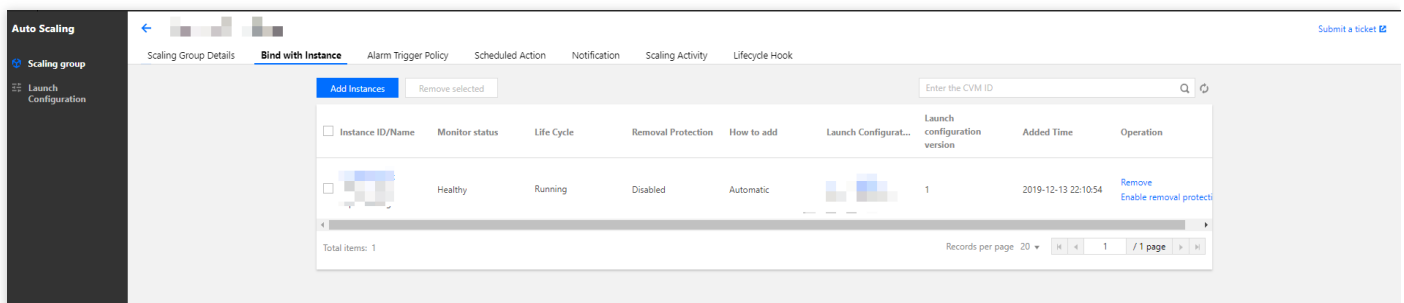
Log into the [Auto Scaling Console](#), and select **Scaling Group** in the left sidebar.

Select the scaling group to be modified, and click the scaling group's ID to go to the basic information page.



You can view the list of CVMs that are bound to the scaling group in this page.

- To manually add CVM instances to the scaling group, click **Add CVM**, select the instance to be added (hold the Shift key to select multiple instances) and click **OK**.
- To unbind a specific CVM, click **Remove** at the end of the corresponding CVM entry.



CVM that automatically created in scale-out event will be terminated when they're removed from the scaling group.

Manually added CVMs will not be terminated upon removal. They will only be removed from the scaling group, and the Cloud Load Balancer will be unbound.

Combining Load Balancers and Scaling Groups

Last updated : 2020-04-23 16:50:34

When Auto Scaling (AS) adds or deletes CVM instances, you need to ensure that app traffic is distributed across all CVM instances. If you want the scaled-out CVMs to be bound with a specific load balancer (LB) and receive the traffic forwarded by that LB without your intervention, you can specify an LB for the CVMs. In this case, the LB will work as the single point of contact for all inbound traffic towards the instances in your Auto Scaling group.

Binding an LB to a Scaling Group

Integrate scaling groups with Cloud Load Balancer (CLB) so you can bind a CLB instance to an existing scaling group. After the CLB instance is bound, it automatically registers the instances in the scaling group and distributes inbound traffic to these instances.

1. Log in to the [Auto Scaling console](#) and click **Scaling Groups** in the left sidebar.
2. On the "Scaling Groups" page, click **Create**.
3. In the "CLB configuration" step of creating a scaling group, select the desired CLB. If no CLBs are available, click **Create** under the option to create one.

A scaling group and its associated CLB instance (in the case of a cross-region CLB instance, its backend VPC) must be in the same network environment (the same VPC instance or the basic network in the same region).

Unbinding a CLB from a Scaling Group

On the "Scaling Groups" page, click a scaling group ID to go to the details page for the corresponding scaling group. You can delete the corresponding CLB in the "CLB Information" section.

Once the CLB is deleted, CVMs in the scaling group will also be automatically unbound from the deleted CLB.

Delete Scaling Groups

Last updated : 2019-08-13 19:53:24

Open the [Console](#), and select **Scaling Group** in the navigation bar.

There is a **Delete** button behind each scaling group in the scaling group list. Note: you need to delete the instances in the scaling group before you can delete the scaling group itself.