Alibaba Cloud

Auto Scaling

Pricing

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Document conventions

Style	Description	Example
⚠ Danger	A danger notice indicates a situation that will cause major system changes, faults, physical injuries, and other adverse results.	⚠ **Danger:** Resetting will result in the loss of user configuration data.
🔔 Warning	A warning notice indicates a situation that may cause major system changes, faults, physical injuries, and other adverse results.	🔔 **Warning:** Restarting will cause business interruption. About 10 minutes are required to restart an instance.
🔊 Notice	A caution notice indicates warning information, supplementary instructions, and other content that the user must understand.	🔊 **Notice:** If the weight is set to 0, the server no longer receives new requests.
⃝? Note	A note indicates supplemental instructions, best practices, tips, and other content.	⃝? **Note:** You can use Ctrl + A to select all files.
>	Closing angle brackets are used to indicate a multi-level menu cascade.	Click **Settings**> **Network**> **Set network type**.
Bold	Bold formatting is used for buttons , menus, page names, and other UI elements.	Click **OK.**
Courier font	Courier font is used for commands	Run the `cd /d C:/window` command to enter the Windows system folder.
Italic	Italic formatting is used for parameters and variables.	`bae log list --instanceid` *Instance_ID*
[] or [a|b]	This format is used for an optional value, where only one item can be selected.	`ipconfig [-all|-t]`
{} or {a|b}	This format is used for a required value, where only one item can be selected.	`switch {active|stand}`

Table of Contents

1.Billing

Auto Scaling is free of charge. However, you must pay for the resources of other Alibaba Cloud services used in Auto Scaling, such as Elastic Compute Service (ECS), Server Load Balancer (SLB), and ApsaraDB RDS instances.

ECS instances

ECS instances in scaling groups are categorized into the following types:

- Existing ECS instances that are manually added to a scaling group. The subscription, pay-as-you-go, and preemptible instance billing methods are supported.
- ECS instances that are automatically created during a scale-out event. Only the pay-as-you-go and preemptible instance billing methods are supported.

The following table describes the ECS instance resources for which you must pay. [1] indicates a billing method that offers discounts to reduce the costs of pay-as-you-go resources. You can purchase pay-as-you-go resources. For more information, see Billing overview.

Resource	Description	Billing method	References
Computing resource (vCPUs and memory)	You are charged based on the instance type that you choose. The instance type determines the number of vCPUs and the size of memory that you can use.	- Subscription - Pay-as-you-go - Pay-as-you-go and reserved instances[1] - Pay-as-you-go and savings plans[1] - Preemptible instances[1]	- Instance types - Reserved instances - Savings plans - Preemptible instances
Image	The image fees are determined based on the image type and your usage.	- Subscription - Pay-as-you-go - Pay-as-you-go and reserved instances[1]	- Images - Reserved instances
Disk	The disk fees are determined based on the disk capacity and duration of use.	- Subscription - Pay-as-you-go - Pay-as-you-go and storage capacity units (SCUs)[1] - Pay-as-you-go and savings plans[1]	- Elastic Block Storage devices - Storage capacity units - Savings plans

Resource	Description	Billing method	References
Snapshot	The snapshot fees are determined based on the snapshot size and storage duration.	- Pay-as-you-go - Pay-as-you-go and SCUs[1]	- Snapshots - Storage capacity units
Public bandwidth	If you use a public IP address to access the Internet, you are charged only for the outbound public bandwidth.	- Pay-by-bandwidth - Pay-by-traffic - Pay-by-bandwidth and savings plans[1] - Pay-by-traffic and data transfer plans[1]	- Public bandwidth - 共享流量包What is a data transfer plan? - Savings plans

The following table describes the billing methods of ECS instances in different states. For more information, see No Fees for Stopped Instances (VPC-Connected).

Billing method of ECS instances	ECS instance state	Billing of additional ECS resources
Subscription	Running	You are charged for the additional ECS resources such as images, disks, public bandwidth, and snapshots based on their individual billing methods.
	Stopped	You are charged for the additional ECS resources such as images, disks, public bandwidth, and snapshots based on their individual billing methods.
	Running	You are charged for the additional ECS resources such as images, disks, public bandwidth, and snapshots based on their individual billing methods.

Billing method of ECS instances	ECS instance state	Billing of additional ECS resources

Pay-as-you-go (including preemptible instances)	Stopped	• If the No Fees for Stopped Instances (VPC-Connected) feature is disabled, you are charged for the additional ECS resources such as images, disks, public bandwidth, and snapshots based on their individual billing methods.
		• The following section describes the status of the additional ECS resources if the No Fees for Stopped Instances (VPC-Connected) feature is enabled:
		  ○ Image: Images are retained. The billing for paid images continues.
		  ○ Disk: Disks are retained, and the billing continues.
		  ○ Public bandwidth:
		    ■ If ECS instances are assigned public IP addresses, the IP addresses are released and you are no longer charged for the public bandwidth.
		    ■ If ECS instances are associated with elastic IP addresses (EIPs), the EIPs remain unchanged. You are charged for the EIPs until the ECS instances are stopped.
		
		    ⑦ Note After ECS instances are stopped, the private IP addresses of the instances remain unchanged.
		
		  ○ Snapshot: Snapshots are retained, and the billing continues.

Other Alibaba Cloud services

Auto Scaling does not create resources listed in the following table. Auto Scaling must associate scaling groups with these resources during the usage. You must create and pay for these resources in advance by using the consoles of other Alibaba Cloud services or by calling API operations of other Alibaba Cloud services.

Service	Description	References
Server Load Balancer (SLB)	If you want to associate a scaling group with SLB instances, you must create and pay for the SLB instances in advance.	Pay-as-you-go

Service	Description	References
RDS	If you want to associate a scaling group with RDS instances, you must create and pay for the RDS instances in advance.	Pricing, billable items, and billing methods

2.Overdue payments

If you have overdue payments in your account, the status of your ECS instances in a scaling group will change. Make sure that you have sufficient balance in your account to ensure service availability.

If you have overdue payments in your account, pay-as-you-go and preemptible instances will be stopped. For information about the time when instances are stopped, see Settlement cycle.

If you have overdue payments in your account, Auto Scaling cannot automatically create ECS instances and will remove or even release stopped instances from a scaling group. The following section describes the situations:

- Stopped ECS instances in a scaling group are considered to be unhealthy.

- If ECS instances are automatically created by Auto Scaling, or are manually added to a scaling group and their lifecycle is managed by Auto Scaling, Auto Scaling removes and releases these unhealthy instances.

- If ECS instances are manually added to a scaling group and their lifecycle is not managed by Auto Scaling, Auto Scaling removes these unhealthy instances from the scaling group but does not release them. For information about status changes of ECS instances that are removed from a scaling group, see Resource status when an instance is stopped due to an overdue payment.

3.FAQ about Auto Scaling billing

This topic provides answers to commonly asked questions about Auto Scaling billing.

- Do I need to pay for Auto Scaling?
- Why are all my ECS instances released immediately after a payment in my account becomes overdue?
- Am I still charged for ECS instances in a scaling group after the scaling group is disabled?

Do I need to pay for Auto Scaling?

Auto Scaling is free of charge. For example, you are not charged for activating Auto Scaling or creating scaling groups. However, you must pay for the resources of other Alibaba Cloud services used in Auto Scaling, such as Elastic Compute Service (ECS), Server Load Balancer (SLB), and ApsaraDB for RDS instances.

Why are all my ECS instances released immediately after a payment in my account becomes overdue?

Auto Scaling performs health checks on ECS instances. If an ECS instance is not in the running state, Auto Scaling considers the instance to be unhealthy. Auto Scaling automatically removes the unhealthy instance from the scaling group, or even releases it. For more information, see ECS instance lifecycle.

If you have overdue payments in your account, pay-as-you-go and preemptible instances will be stopped. Auto Scaling considers stopped ECS instances to be unhealthy, and will remove and release these instances.

> ⚠ **Warning**   Make sure that you have sufficient balance in your account. For information about status changes of ECS instances with overdue payments, see Overdue payments.

Am I still charged for ECS instances in a scaling group after the scaling group is disabled?

Yes, you are still charged for the ECS instances in a scaling group after the scaling group is disabled. You are charged not for the scaling group but for the ECS instances in the scaling group. If ECS instances still exist in the disabled scaling group, you must continue to pay for these instances.