### **Auto Scaling**

### **Quick Start**

 Issue
 01

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## Creating an AS Group Quickly

#### Scenarios

Auto Scaling (AS) automatically adjusts resources based on your service requirements and preset AS policies, helping you save resources and labor costs.

AS is available for free, but you pay for the instances (cloud servers) automatically added to the AS group and the resources used by the instances, such as EIPs, disks, and images.

This section walks you through the process of creating an AS configuration and an AS group, which are two critical steps for using AS.

#### Procedure

Step	Description
Step 1: Create an AS Configuration	Specify the specifications, image, and disk settings for the instances that AS creates for you.
Step 2: Create an AS Group	Configure scaling limits for the AS group by specifying the maximum, minimum, and desired group size.
Step 3: Create an AS Policy	Create an AS policy to adjust service resources.

#### **Step 1: Create an AS Configuration**

In this step, you create an AS configuration using the example settings. For details about how to create an AS configuration, see **Creating an AS Configuration**.

- 1. Log in to the console and go to the Create AS Configuration page.
- 2. Configure the AS configuration settings.

★ Billing Mode	Pay-per-use Spot pricing 3
* Region	CN-Hong Kong     V Regions are geographic areas isolated from each other. Resources are region-specific and cannot be used across regions through internal network connections. For low network latency quick resource access, select the nearest region.
* Name	as-config-3817 The ECS created using this AS configuration is named in the format of the AS configuration name followed by an 8-digit random code.
* Configuration Template	Create new template Use existing ECS
CPU Architecture	x88       Kunpeng       Image: Comparison of the second se
	ECS Type   Flavor Name   vCPUs   Memory ( $\ominus$   CPU $\ominus$   Maximum $\odot$   Packets Per Second $\odot$   Bandwidth $\ominus$
	General computing s7n s7n.small.05 (Sold out 1 vCPUs   0.5 GiB Intel Ice Lake 2.6GHz 0.1/0.8 Gbit/s 100,000
	General computing s7n s7n.small.1 (Sold out i 1 vCPUs   1 GiB Intel Ice Lake 2.6GHz 0.1/0.8 Gbit/s 100,000
	General computing s7n s7n.medium 2 (Sold ou 1 vCPUs   2 GiB Intel Ice Lake 2.6GHz 0.1/0.8 Gbit/s 100,000
	General computing s7n s7n.medium.4 (Sold ou 1 vCPUs   4 GiB Intel Ice Lake 2.6GHz 0.1/0.8 Gbit/s 100,000
	General computing s7n s7n.large.025 (Sold ou 2 vCPUs   0.5 GiB Intel Ice Lake 2.6GHz 0.2/1.5 Gbit/s 150,000
	General computing s7n s7n.large 2 (Sold out in 2 vCPUs   4 GIB Intel Ice Lake 2.6GHz 0.2/1.5 Gbit/s 150,000
	General computing s7n s7n.large.4 (Sold out in 2 vCPUs   8 GiB Intel Ice Lake 2.6GHz 0.2/1.5 Gbit/s 150,000
	General computing s7n s7n.xlarge.2 (Sold out 4 vCPUs   8 GiB Intel Ice Lake 2.6GHz 0.35/2 Gbits 250,000
	someting service intervence intervence nerve is preterentially used to scaling, not can click a serviced narver to read is used is used in more narver.
	General computing 1 s7n large 212 vCPUs 14 GiB

#### Figure 1-1 Page for creating an AS configuration

★ Image	Public image         Private image
	CentOS V CentOS 8.2 64bit (40 GiB) V Q
	CentOS 8 reached End of Life on December 31, 2021. Select an alternative solution
* Disk	EVS
	System Disk General Purpose SSD V - 100 + GiB IOPS limit: 3,000, IOPS burst limit: 8,000 ③
	Add Data Disk You can add 23 more disks.
* Security Group	default (Inbound:TCP   Outbound: - ) X V Q Create Security Group ③
	Similar to a firewall, a security group logically controls network access. Learn how to create a security group. Inbound: TCP   Outbound: -
EIP	Do not use Automatically assign
	An ECS without an EIP cannot access the Internet. However, it can still be used to deploy services or clusters in a private network.
★ Login Mode	Key pair Password
★ Key Pair	KeyPair-2325       Q       Create Key Pair
	I acknowledge that I have the private key file KeyPair-2325,pem and that I will not be able to log in to my ECS without this file.
Advanced Settings	Do not configure Configure now

#### Table 1-1 Parameters for creating an AS configuration

Parame ter	Example	Description
Billing Mode	Pay-per-use	Resources will be billed based on the usage duration. You can provision or delete resources at any time. For details, see ECS Billing Overview.
Region	CN-Hong Kong	For low network latency and quick resource access, select the region nearest to your target users. For details, see <b>Region and AZ</b> .
Name	as-config-3817	Enter a name for the AS configuration.
Configu ration Templat e	Create new template	Specify the specifications, image, and disk settings for the instances AS creates.

Parame ter	Example	Description
CPU Architec ture	x86	x86 uses Complex Instruction Set Computing (CISC).
Specific ations	s7n.xlarge.2	Select a flavor one based on service requirements. For more information, see A Summary List of x86 ECS Specifications.
Image	CentOS 8.2 64bit (40 GiB)	The example is a free public Linux image provided by Huawei Cloud.
Disk	General Purpose SSD, 100 GiB	Specify the specifications of the system disk for instances AS creates.
Security Group	default	Use the default security group.
EIP	Do not use	If the instances in the AS group need to access the Internet, you can configure EIPs for the instances.
Login Mode	Key pair	A key pair for logging in to instances.
Key Pair	KeyPair-2325	Use an existing or create a new key pair. Ensure that you have obtained the private key.
Advanc ed Settings	Do not configure	-

- 3. Click Create Now.
- 4. Click **Back to AS Configuration List** to view the created AS configuration.

#### Figure 1-2 Viewing the AS configuration

AS Groups AS Configurations										
You can create 99 more AS configurations.										
Delete Export V										
Q. Select a property or enter a keyword.										0
Name/ID 😔	Status \ominus	Specifications	Image 😔	System Disk	Data Disks	Login Mode 😔	Created \varTheta	Billing Mode	Operation	
as-config-3817 855b6ace-bbeb-4d44-8302-24cc6d944fa8	O Unbound	s7n.large.2   2 vCPUs   4 GIB	CentOS 8.2 64bit	General Purpose S	0	Key pair	Oct 11, 2024 09:55:	Pay-per-use	Copy Delete	

#### Step 2: Create an AS Group

In this step, you create an AS group using the example settings. For details about how to create an AS group, see **AS Groups**.

- 1. Log in to the console and go to the **Create AS Group** page.
- 2. Configure the AS group settings.

* Region	♥ CN-Hong Kong ∨
	Regions are geographic areas isolated from each other. Resources are region-specific and cannot be used across regions through internal network connections. Fo network latency and quick resource access, select the nearest region.
* AZ	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$
* Multi-AZ Scaling Policy	Balanced O Sequenced O
* Name	as-group-test1
* Max. Instances	1
* Expected Instances (?)	0
* Min. Instances	0
he selected AS configuration serves as a	specifications template for the instances in your AS group. After a subnet is selected, an IP address will be automatically assigned to each instance in the AS gr
AS Configuration	as-config-3817 +
k VPC	vpc-default-smb (192.168.0.0/16) V Q Create VPC ③
k Subnet	subnet-default-smb (192.168.0.0/20) V This subnet is used by the primary NIC.
	Source/Destination Check ③
	Add Subnet You can add 4 more subnets. Q Create Subnet
Load Balancing	Do not use Elastic load balancer
Load Balancing	Oldest instance created from oldest AS conf
Load Balancing trinstance Removal Policy	Oldest instance created from oldest AS conf       Release Do not release
Load Balancing Instance Removal Policy	Add Subnet You can add 4 more subnets: Q: Create Subnet      Do not use     Elastic load balancer      Oldest instance created from oldest AS conf      Release     Do not release Select Release If you want to release ECS EIPs when the ECSs are removed from the AS group. Select Do not release if you want to unbind EIPs from ECSs but do not release them. These EIPs will continue to be billed.
Load Balancing Instance Removal Policy EIP Data Disk	Add Subnet You can add 4 more subnets: C Create Subnet      Do not use     Elastic load balancer      Oldest instance created from oldest AS conf       Release     Do not release     Select Release if you want to release ECS EIPs when the ECSs are removed from the AS group.     Select Do not release if you want to unbind EIPs from ECSs but do not release them. These EIPs will continue to be billed.      Detete     Do not delete
Load Balancing Instance Removal Policy EIP Data Disk	Add Subnet You can add 4 more subnets: C Cleare Subnet   Do not use Elastic load balancer   Oldest instance created from oldest AS conf    Release Do not release   Select Release if you want to release ECS EIPs when the ECSs are removed from the AS group.   Select Do not release   Do not release if you want to unbind EIPs from ECSs but do not release them. These EIPs will continue to be billed.   Detete   Do not delete Select Delete if you want to delete ECS data disks when the ECSs are removed from the AS group. Select Do not delete f you want to delete ECS data disks when the ECSs are removed from the AS group. Select Do not delete f you want to delete ECS data disks when the ECSs are removed from the AS group. Select Do not delete f you want to delete ECS data disks when the ECSs are removed from the AS group. Select Do not delete f you want to delach data disks from ECSs but do not release them. These data disks will continue to be billed.
Load Balancing Instance Removal Policy EIP Data Disk * Health Check Method	Add Submet You can add 4 more submets. C. Create Submet   Do not use Elastic load balancer   Oldest instance created from oldest AS conf    Release Do not release   Select Release if you want to release ECS EIPs when the ECSs are removed from the AS group. Select Do not release if you want to unbind EIPs from ECSs but do not release them. These EIPs will continue to be billed.   Detete Do not delete   Select Do not delete If you want to delete ECS data disks when the ECSs are removed from the AS group. Select Do not delete If you want to delete ECS data disks from ECSs but do not release them. These data disks will continue to be billed. ECS health check   CS
Load Balancing Instance Removal Policy EIP Data Disk * Health Check Method	<ul> <li>Add submet You can add 4 more submets. Create Submet</li> <li>Do not use Elastic load balancer</li> <li>Oldest instance created from oldest AS conf </li> <li>Release Do not release</li> <li>Select Release if you want to release ECS EIPs when the ECSs are removed from the AS group.</li> <li>Select Rolease if you want to ubind EIPs from ECSs but do not release them. These EIPs will continue to be billed.</li> <li>Delete Do not delete</li> <li>Select Dolete if you want to delete ECS data disks when the ECSs are removed from the AS group.</li> <li>Select Dolete if you want to delete ECS data disks from ECSs but do not release them. These EIPs will continue to be billed.</li> <li>ECS health check           <ul> <li></li></ul></li></ul>
Load Balancing Instance Removal Policy EIP Data Disk * Health Check Method * Health Check Interval	<ul> <li>Add Submet You can add 4 more submets: C Create Submet</li> <li>Do not use Elastic load balancer</li> <li>Oldest instance created from oldest AS conf </li> <li>Creates Do not release Do not release Do not release Do not release ECS EIPs when the ECSs are removed from the AS group.</li> <li>Select Release if you want to unbind EIPs from ECSs but do not release them. These EIPs will continue to be billed.</li> <li>Delete Do not delete</li> <li>Select Do not delete f you want to delete ECS data disks when the ECSs are removed from the AS group.</li> <li>Select Do not delete f you want to delete ECS data disks when the ECSs are removed from the AS group.</li> <li>Select Do not delete f you want to delete ECS data disks from ECSs but do not release them. These data disks will continue to be billed.</li> <li>ECS health check  </li> <li>C Select Delete instance is identified as unhealthy in a health check, AS replaces the instance with a new one.</li> <li>f minutes  </li> </ul>
Load Balancing Instance Removal Policy EIP Data Disk * Health Check Method * Health Check Interval * Health Check Grace Period (s)	Add Submet You can add 4 more submets: Q: Cleane Submet   Do not use Elastic load balancer   Oldest instance created from oldest AS conf    Release D o not release   Select Release if you want to release ECS EIPs when the ECSs are removed from the AS group. Select Do not release if you want to unbind EIPs from ECSs but do not release them. These EIPs will continue to be billed.   Detete D on ot delete   Select Do not delete if you want to delete ECS data disks when the ECSs are removed from the AS group. Select Do not delete if you want to delete ECS data disks from ECSs but do not release them. These data disks will continue to be billed. ECS health check   ©   If a protected instance is identified as unhealthy in a health check, AS replaces the instance with a new one.   5 minutes ©   600 ©
Load Balancing Instance Removal Policy EIP Data Disk * Health Check Method * Health Check Interval * Health Check Grace Period (s) * Enterprise Project	Add Submet You can add 4 more submets: Q: Create Submet   Do not use Elastic load balancer   Oldest instance created from oldest AS conf    Release D on of release   Select Release if you want to release ECS EIPs when the ECSs are removed from the AS group.   Select Do not release   Do not delete   Select Do not delete   Selet Do not delete   Sele
Load Balancing Instance Removal Policy EIP Data Disk * Health Check Method * Health Check Interval * Health Check Grace Period (s) * Enterprise Project	Add Submet rou can add 4 more submets. C. Cleare Submet   Do not use Elastic load balancer     Oldest instance created from oldest AS conf      Release D on ot release   Select Release if you want to release ECS EIPs when the ECSs are removed from the AS group. Select Do not release   Do not release   Do not release Select Rolease if you want to unbind EIPs from ECSs but do not release them. These EIPs will continue to be billed.   Delete   Do not delete   Select Do not delete ECS data disks when the ECSs are removed from the AS group. Select Do not delete if you want to delete ECS data disks when the ECSs are removed from the AS group. Select Do not delete if you want to delete Ast data disks from ECSs but do not release them. These data disks will continue to be billed. ECS health check <td< td=""></td<>
Load Balancing Linstance Removal Policy EIP Data Disk * Health Check Method * Health Check Interval * Health Check Interval * Enterprise Project Tag	Add Sudnet rou can add a more submets. (a Cleare Submet      Do not use Elastic load balancer      Oldest instance created from oldest AS conf       Release     Do not release     Tyou want to delete ECS data disks when the ECSs are removed from the AS group.     Select Delete If you want to delete ECS data disks when the ECSs but do not release them. These data disks will continue to be billed.     ECS health check     C     O     Ta protected instance is identified as unhealthy in a health check, AS replaces the instance with a new one.     fminutes     O     O     default     C     O     Te arouted that you use TMS's predefined tag function to add the same tag to different cloud resources. View predefined tag     Tag value
Load Balancing Instance Removal Policy EIP Data Disk * Health Check Method * Health Check Interval * Health Check Grace Period (s) * Enterprise Project Tag	A do Sudielle Tou can ado a more submets. (a Create Submet) Do not use Elastic load balancer Oldest instance created from oldest AS conf  Release Do not release Select Release If you want to release ECS EIPS when the ECSs are removed from the AS group. Select Release If you want to use The ECS but do not release them. These EIPS will continue to be billed. Delete Do not delete Select Delete If you want to delete ECS data disks when the ECSs are removed from the AS group. Select Delete If you want to delete ECS data disks when the ECSs are removed from the AS group. Select Delete If you want to delete ECS data disks when the ECSs are removed from the AS group. Select Delete If you want to delete ECS data disks when the ECSs are removed from the AS group. Select Delete If you want to delete ECS data disks when the ECSs are removed from the AS group. Select Delete If you want to delete ECS data disks when the ECSs are removed from the AS group. Select Delete If you want to delete ECS data disks when the ECSs are removed from the AS group. Select Delete If you want to delete ECS data disks when the ECSs are removed from the AS group. Ta protected instance is identified as unhealthy in a health check, AS replaces the instance with a new one. Sminutes ① ② Goo ② ③ default ② ② ③ It is recommended that you use TMS's predefined lag function to add the same lag to different cloud resources. View predefined tags You can add 10 more tags.

#### Figure 1-3 Page for creating an AS group

Parame ter	Example	Description
Region	CN-Hong Kong	For low network latency and quick resource access, select the region nearest to your target users.
		For details, see <b>Region and AZ</b> .
AZ	AZ1, AZ2, AZ3, AZ7	AZs are physically isolated but interconnected over a high-speed intranet.
Multi- AZ Scaling Policy	Balanced	This policy ensures that the number of instances in each of the selected AZs is balanced.
Name	as-group-test1	Enter a name for the AS group.
Max. Instanc es	1	Specify the maximum group size.
Expecte d Instanc es	0	Specify the desired initial group size.
Min. Instanc es	0	Specify the minimum group size.
AS Configu ration	as-config-3817	Select the AS configuration created in step 1.
VPC	vpc-default-smb	Use the default VPC and subnet.
Subnet	subnet-default-smb	For details, see VPC and Subnet Planning.
Load Balanci ng	Do not use	This parameter is optional. For details, see <b>Adding a Load Balancer to an AS Group</b> .
Instanc e Remova l Policy	Oldest instance created from oldest AS configuration	With this policy, instances that use the oldest AS configuration are removed from the AS group first.
EIP	Release	With this option, when an instance is removed from an AS group, its EIP will be released.

Table 1-2 Parameters for creating an AS group

Parame ter	Example	Description
Data Disk	Delete	With this option, when the instance is removed from the AS group, all data disks attached to the instance will be deleted
Health Check Method	ECS health check	With this method, AS checks whether instances are running. If an instance fails the health check, AS removes it from the AS group.
Health Check Interval	5 minutes	Specify the interval between health checks.
Health Check Grace Period (s)	600	Specify how long AS must wait before checking the health status of an instance.
Enterpri se Project	default	Specify the enterprise project where the AS group is managed. Instances in this AS group are also managed under the same project.

- 3. Click Create Now.
- 4. Click **Back to AS Group List** to view the created AS group.

Figure 1-4 Viewing the AS group

AS Groups AS Configurations									
You can create 9 more AS groups.									
Export ~									
Q. Select a property or enter a keyword.									0
NameID 0	Status 🖯	AS Configurat 😑 🛛 🔾	urrent Insta 😔 🕴 Expecte	d Inst 😑 👘 Min.	Instances 😔 👘 Max. I	nstances 😔 🕴 Enterprise Pr	⊖ Tag ⊖	Operation	
as-group-test1 5889db09-4630-4922-9b94-17c9f484850a	S Enabled	as-config-3817	0	0	0	1 default		View AS Policy Disable	More 🗸

#### Step 3: Create an AS Policy

In this step, you create AS scaling policies to adjust service resources.

Operation Type	Refer To
Dynamic scaling	Scaling Your Website Dynamically
Scheduled scaling	Scaling Your Website on a Schedule

# **2** Creating an AS Group Quickly

If you are using AS for the first time, following the wizard-based process is an easy way to create an AS group, AS configuration, and AS policy.

#### Prerequisites

- You have created the required VPCs, subnets, security groups, and load balancers.
- You have obtained the key pair for logging in to the instances added in a scaling action if key authentication is used.

#### Procedure

- 1. Log in to the management console.
- 2. Under **Compute**, click **Auto Scaling**. In the navigation pane on the left, choose **Instance Scaling**.
- 3. Click Create AS Group.
- 4. Set basic information about the AS group, such as **Name**, **Max. Instances**, **Min. Instances**, and **Expected Instances**. **Table 2-1** lists the parameters.

Table 2-1	AS g	jroup	parameters
-----------	------	-------	------------

Parameter	Description	Example Value
Region	A region is where the AS group is deployed. Resources in different regions cannot communicate with each other over internal networks. For lower network latency and faster access to your resources, select the region nearest to your target users.	N/A

Parameter	Description	Example Value
AZ	An AZ is a physical location where resources use independent power supply and networks. AZs are physically isolated but interconnected through an internal network.	-
	<ul> <li>If you require high availability, buy servers in different AZs.</li> </ul>	
	• If you require low network latency, buy servers in the same AZ.	
Multi-AZ Scaling Policy	This parameter can be set to <b>Balanced</b> or <b>Sequenced</b> .	Balanced
	• <b>Balanced</b> : When scaling out an AS group, the system preferentially distributes ECS instances evenly among AZs used by the AS group. If it fails in the target AZ, it automatically selects another AZ based on the sequenced policy.	
	<ul> <li>Sequenced: When expanding ECSs in an AS group, the system selects the target AZ based on the order in which AZs are selected.</li> <li>NOTE</li> </ul>	
	two or more AZs are selected.	
Name	Specifies the name of the AS group to be created.	-
	The name contains 1 to 64 characters and consists of only letters, digits, underscores (_), and hyphens (-).	
Max. Instances	Specifies the maximum number of ECS instances in an AS group.	1
Expected Instances	Specifies the expected number of ECS instances in an AS group.	0
	After an AS group is created, you can change this value, which will trigger a scaling action.	
Min. Instances	Specifies the minimum number of ECS instances in an AS group.	0
VPC	Provides a network for your ECS instances. All ECS instances in the AS group are deployed in this VPC.	-

Parameter	Description	Example Value
Subnet	You can select up to five subnets. The AS group automatically binds all NICs to the created ECSs. The first subnet is used by the primary NIC of an ECS instance by default, and other subnets are used by extension NICs of the instance.	-
Load Balancing	This parameter is optional. A load balancer automatically distributes traffic across all instances in an AS group to balance their service load. It improves the fault tolerance of your applications and expands application service capabilities.	-
	<ul> <li>Up to six load balancers can be added to an AS group.</li> <li>After multiple load balancers are added to an AS group, multiple services can be concurrently listened to, thereby improving service scalability. If ELB health check is selected for Health Check Method, when any one of the listeners detects that an instance becomes unhealthy, AS will replace the faulty instance with a functional one.</li> </ul>	
	If you select <b>Elastic load balancer</b> , configure the following parameters:	
	Load Balancer	
	Backend ECS Group	
	• Backend Port: specifies the port on which a backend ECS listens for traffic.	
	<ul> <li>Weight: determines the portion of requests a backend ECS processes compared to other backend ECSs added to the same listener.</li> <li>For more information about load balancing, see <i>Elastic Load Balance User</i> <i>Guide</i>.</li> </ul>	

Parameter	Description	Example Value
Instance Removal Policy	Controls which instances are first to be removed during scale in. If specified conditions are met, scaling actions are triggered to remove instances by following the removal policy you choose. There are four instance removal policies for you to choose from:	-
	• Oldest instance created from oldest AS configuration: The oldest instance created from the oldest configuration is removed from the AS group first.	
	• Newest instance created from oldest AS configuration: The newest instance created from the oldest configuration is removed from the AS group first.	
	• <b>Oldest instance</b> : The oldest instance is removed from the AS group first.	
	• <b>Newest instance</b> : The newest instance is removed from the AS group first.	
	NOTE	
	<ul> <li>Removing instances will preferentially ensure that the remaining instances are load balanced in AZs.</li> </ul>	
	• Manually added ECS instances are the last to be removed. If AS does remove a manually added instance, it only removes the instance from the AS group. It does not delete the instance. If multiple manually added instances must be removed, AS preferentially removes the earliest-added instance first.	
EIP	If <b>EIP</b> has been selected in the AS configuration for an AS group, an EIP is automatically bound to the ECS instance added to the AS group. If you select <b>Release</b> , the EIP bound to an instance is released when the instance is removed from the AS group. Otherwise, the system unbinds the EIP from the instance, but does not release it when the instance is removed from the AS group.	-

Parameter	Description	Example Value
Health Check Method	If an ECS instance fails a health check, AS replaces it with a new one. There are two health check methods:	-
	• ECS health check: checks ECS instance health status. If an instance is stopped or deleted, it is considered to be unhealthy. This method is selected by default. Using this method, the AS group periodically checks the running status of each instance. If an instance is unhealthy, AS removes the instance from the AS group.	
	• <b>ELB health check</b> : determines ECS instance running status using a load balancing listener. This health check method is only available if a load balancer is configured for the AS group. An instance is considered to be healthy only when all associated listeners detect it as healthy. If a listener detects that the instance is unhealthy, AS removes the instance from the AS group.	
Health Check Interval	Specifies the length of time between health checks. You can set a health check interval, such as 10 seconds, 1 minute, 5 minutes, 15 minutes, 1 hour, or 3 hours, based on service requirements.	5 minutes
Enterprise Project	Specifies the enterprise project to which the AS group belongs. If an enterprise project is configured for an AS group, ECSs created in this AS group also belong to this enterprise project. If you do not specify an enterprise project, the <b>default</b> enterprise project will be used. <b>NOTE</b>	-
	• Value <b>default</b> indicates the default enterprise project. Resources that are not allocated to any enterprise projects under your account are displayed in the default enterprise project.	
	Enterprise project is an upgraded version of IAM. It allocates and manages resources of different projects.	
Advanced	Configure notifications.	-
Settings	You can select <b>Do not configure</b> or <b>Configure now</b> .	

Parameter	Description	Example Value
Notification	Results of scaling actions are sent to you based on the functions provided by the <b>Simple Message Notification (SMN)</b> service.	-
	• Notification Conditions: When at least one of the following conditions is met, SMN sends a notification to you:	
	<ul> <li>Instance creation succeeds</li> </ul>	
	<ul> <li>Instance removal succeeds</li> </ul>	
	<ul> <li>Errors occur in an AS group</li> </ul>	
	<ul> <li>Instance creation fails</li> </ul>	
	<ul> <li>Instance removal fails</li> </ul>	
	• Send Notification To: Select an existing topic. For details about how to create a topic, see <i>Simple Message Notification User Guide</i> .	
Tag	If you have many resources of the same type, you can use tags to manage your resources. You can identify specified resources quickly using the tags allocated to them.	-
	Each tag contains a key and a value. You can specify the key and value for each tag.	
	• Key	
	<ul> <li>The key must be specified.</li> </ul>	
	<ul> <li>The key must be unique to the AS group.</li> </ul>	
	<ul> <li>The key can include up to 36 characters. It cannot contain non- printable ASCII characters (0-31) or the following characters: =*&lt;&gt; /</li> </ul>	
	Value	
	<ul> <li>The value is optional.</li> </ul>	
	<ul> <li>A key can have only one value.</li> </ul>	
	<ul> <li>The value can include up to 43 characters. It cannot contain non- printable ASCII characters (0–31) or the following characters: =*&lt;&gt; /</li> </ul>	

- 5. Click Next.
- 6. On the displayed page, you can use an existing AS configuration or create an AS configuration.

- 7. Click Next.
- 8. (Optional) Add an AS policy to an AS group.

On the displayed page, click Add AS Policy.

Configure the required parameters, such as the **Policy Type**, **Scaling Action**, and **Cooldown Period**.

#### **NOTE**

- If a scaling action is triggered by an AS policy, the cooldown period is whatever configured for that AS policy.
- If a scaling action is triggered by manually changing the expected number of instances or by other actions, the cooldown period is whatever configured for the AS group. The default cooldown period is 300 seconds.
- 9. Click Create Now.
- 10. Check the AS group, AS configuration, and AS policy information. Click **Submit**.
- 11. Confirm the creation result and go back to the **AS Groups** page as prompted. After the AS group is created, its status changes to **Enabled**.

# **3** Scaling Your Website Dynamically

# **4** Scaling Your Website on a Schedule

## 5 Wizard-based Process of Using AS

Figure 5-1 illustrates the wizard-based process of using AS.

#### Figure 5-1 Wizard-based process of using AS

