

Alibaba Cloud

Elastic GPU Service Release Notes

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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 <code>cd /d C:/window</code> command to enter the Windows system folder.
<i>Italic</i>	Italic formatting is used for parameters and variables.	<code>bae log list --instanceid</code> <i>Instance_ID</i>
[] or [a b]	This format is used for an optional value, where only one item can be selected.	<code>ipconfig [-all -t]</code>
{ } or {a b}	This format is used for a required value, where only one item can be selected.	<code>switch {active stand}</code>

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1. Release notes

This topic describes the release notes of ECS features.

- For the release notes of images, see [Release notes](#) and [Release notes of Aliyun Linux 2](#).
- For the release notes of Server Migration Center (SMC), see [Release notes](#).

March 2020

Feature	Description	Release date	Supported region	Documentation
Local snapshots	The local snapshot feature is released for free public preview in Singapore.	2020-03-18	Some	Snapshot overview
Instance families	The i2ne and i2gne instance families with local SSDs are released.	2020-03-11	All	Instance families

February 2020

Feature	Description	Release date	Supported region	Documentation
Local snapshots	The local snapshot feature is released for public preview in China (Hohhot). The number of supported regions is increasing.	2020-02-14	Some	Snapshot overview

January 2020

Feature	Description	Release date	Supported region	Documentation
Tags	A wide range of tag functions are provided. You can use tags to control permissions of RAM users. You can also bind and modify tags by using Operation Orchestration Service (OOS).	2020-01-03	All	<ul style="list-style-type: none">• Control access to resources by using tags• Create a resource with a specific tag• Use OOS to bind tags to multiple ECS resources at a time• Use OOS to modify a tag value of multiple resources

Feature	Description	Release date	Supported region	Documentation
Local snapshots	The local snapshot feature is released for public preview. You can create local snapshots for ESSDs and restore a disk from a local snapshot within seconds. You can use the local snapshot feature for free during the public preview period.	2020-01-17	China (Hong Kong)	Snapshot overview
Instance families	The d2s storage intensive big data instance family is released.	2020-01-17	Some	Instance families
Instance families	The vgn6i lightweight compute optimized GPU-accelerated instance family is released.	2020-01-16	Some	Instance families
Instance families	The s6 shared standard instance family is released.	2020-01-16	Some	Instance families
Images	Technical support for the Windows Server 2008 and Windows Server 2008 R2 public images is discontinued. We recommend that you upgrade to Windows Server 2012 or later at your earliest convenience.	2020-01-14	All	Overview

November 2019

Feature	Description	Release date	Supported region	Documentation
Tags	The tag editor feature is released. You can use this feature to query up to 5,000 resource data entries across services and regions. You can also edit tags of the resources and export resource information.	2019-11-28	All	Use the tag editor to manage resource tags
Snapshots	The quota for automatic snapshots is increased to 1,000.	2019-11-15	All	Snapshot overview
Instance families	The gn6e compute optimized GPU-accelerated instance family is released.	2019-11-14	Some	Instance families
Instance families	The ebmgn6e compute optimized GPU-accelerated ECS Bare Metal Instance family is released.	2019-11-14	Some	Instance families

October 2019

Feature	Description	Release date	Supported region	Documentation
Instance families	The hfc6, hfg6, and hfr6 instance families with high clock speed are released.	2019-10-15	Some	Instance families
Instance families	The ebmhfc6, ebmhfg6, and ebmhr6 ECS Bare Metal Instance families are released.	2019-10-10	All	Instance families

September 2019

Feature	Description	Release date	Supported region	Documentation
Disk resizing	<ul style="list-style-type: none"> Standard SSDs and ultra disks can be resized to up to 32 TiB. ESSDs can be resized online. 	2019-09-26	All	<ul style="list-style-type: none"> Overview Resize disks online (Linux)
Instance families	The ebmc6, ebmg6, and ebmr6 ECS Bare Metal Instance families are released.	2019-09-24	All	Instance families
Instance families	The t6 burstable instance family is released.	2019-09-12	Some	Instance families
Security groups	The maximum number of security group rules that can be contained in a security group is increased to 200.	2019-09-03	All	Limits
Snapshots	The individual quotas for manual snapshots and automatic snapshots are increased to 256.	2019-09-02	All	Snapshot overview

August 2019

Feature	Description	Release date	Supported region	Documentation
Instance families	The ebmg6v compute optimized GPU-accelerated ECS Bare Metal Instance family is released.	2019-08-26	Some	Instance families
Instance families	The ebmg6i compute optimized GPU-accelerated ECS Bare Metal Instance family is released.	2019-08-26	Some	Instance families
Images	The image export feature is available in all Alibaba Cloud regions.	2019-08-21	All	Export a custom image
Snapshots	The snapshot service is available for commercial use. All existing and new snapshots are billed on a pay-as-you-go basis.	2019-08-21	All	Snapshot billing

July 2019

Feature	Description	Release date	Supported region	Documentation
Instance families	The g6 general purpose instance family is released.	2019-07-30	Some	Instance families
Instance families	The c6 compute optimized instance family is released.	2019-07-30	Some	Instance families
Instance families	The r6 memory optimized instance family is released.	2019-07-30	Some	Instance families
Instance families	The ebmc5s compute optimized ECS Bare Metal Instance family with enhanced network performance is released.	2019-07-30	Some	Instance families
Instance families	The ebmg5s general purpose ECS Bare Metal Instance family with enhanced network performance is released.	2019-07-30	Some	Instance families
Instance families	The ebmr5s memory optimized ECS Bare Metal Instance family with enhanced network performance is released.	2019-07-30	Some	Instance families

June 2019

Feature	Description	Release date	Supported region	Documentation
Auto provisioning	Auto provisioning uses auto provisioning groups to schedule and maintain computing resources. This makes it easy to deploy clusters of instances across different billing methods, instance types, and zones.	2019-06-28	All	Auto Provisioning overview
ESSDs	The enhanced SSD service is available for commercial use after the public prereview. Three performance levels of ESSDs are released.	2019-06-28	Some. For more information about the supported regions, see Block Storage FAQ .	Enhanced SSDs
vgn5i, a lightweight compute optimized GPU-accelerated instance family	GRID drivers are provided for vgn5i instances.	2019-06-19	All	<ul style="list-style-type: none"> • 创建配备NVIDIA GPU的实例 • Install NVIDIA GRID drivers on vgn6i or vgn5i Linux instances

May 2019

Feature	Description	Release date	Supported region	Documentation
Block Storage	Subscription disks can be created using API operations.	2019-05-15	All	CreateDisk

April 2019

Feature	Description	Release date	Supported region	Documentation
Elastic network interfaces (ENIs)	A single ENI supports multiple private IP addresses.	2019-04-28	All	分配辅助私网IP地址
Block Storage	You can resize data disks of an ECS instance by extending their capacities online to meet your storage requirements without restarting the instance.	2019-04-24	All	Resize disks online (Linux)
Block Storage	System disks can be resized.	2019-04-24	All	Resize disks offline (Linux)
Snapshots	Snapshots can be created for expired disks.	2019-04-20	All	<ul style="list-style-type: none"> Create a snapshot CreateSnapshot

March 2019

Feature	Description	Release date	Supported region	Documentation
Public images	Aliyun Linux 2 public images are released.	2019-03-27	All	Overview of Aliyun Linux 2
Instance families	The gn6i compute optimized GPU-accelerated instance family is released.	2019-03-21	All	Instance families
Instance families	The sccgn6 compute optimized GPU-accelerated SCC instance family is released.	2019-03-20	All	Instance families
Instance families	The vgn5i lightweight compute optimized GPU-accelerated instance family is released.	2019-03-19	All	Instance families
Reserved instances	The reserved instance feature is in invitational preview.	2019-03-18	All	Reserved instance overview
Cloud Assistant	Cloud Assistant is available for ECS instances of the classic network type.	2019-03-01	All	Install the Cloud Assistant client

January 2019

Feature	Description	Release date	Supported region	Documentation
Event notification	Status change events and alert events for recycling of preemptible instances are supported.	2019-01-29	All	System events

December 2018

Feature	Description	Release date	Supported region	Documentation
Cloud Assistant	Cloud Assistant is available in the UK (London) region.	2018-12-31	All	Cloud Assistant overview
Preemptible instances	Preemptible instances are billed by second.	2018-12-17	All	Preemptible instances
Instances	The release protection feature is supported.	2018-12-14	All	Instance release protection
ENIs	The DescribeNetworkInterfaces operation can be used to query the public IP address that is attached to an ENI.	2018-12-04	All	DescribeNetworkInterfaces

November 2018

Feature	Description	Release date	Supported region	Documentation
Custom images	Packer can be used to create custom images.	2018-11-30	All	Create a custom image by using Packer
Instance families	The re4e memory optimized instance family with enhanced performance is released.	2018-11-30	All	Instance families
Block Storage	Subscription disks can be created separately and attached to subscription instances.	2018-11-29	All	Create a subscription disk
Deployment sets	The Alibaba Cloud deployment set feature is released.	2018-11-16	All	Deployment set overview

October 2018

Feature	Description	Release date	Supported region	Documentation
Instance families	The f3 compute optimized FPGA-accelerated instance family is released.	2018-10-31	All	Instance families
API best practices	API best practices are released in the ECS console.	2018-10-19	All	Create an instance by using the provided wizard

September 2018

Feature	Description	Release date	Supported region	Documentation
t5, a burstable instance family	The unlimited mode is available for the t5 burstable instance family.	2018-09-30	All	Unlimited mode
Instance metadata	Information of O&M system events is included in instance metadata.	2018-09-14	All	Instance metadata
Instance health status	The health status of each ECS instance is displayed on the instance details page.	2018-09-14	All	View the health status of an instance
Instance families	The gn6v new generation GPU-accelerated instance family (V100 model) is released.	2018-09-12	All	Instance families
Instance purchase	Multiple instances can be renewed at a time and historical instances can be purchased.	2018-09-07	All	Manually renew an instance
System events	API operations used to create or cancel simulated events are released.	2018-09-03	All	<ul style="list-style-type: none"> • CreateSimulatedSystemEvents • CancelSimulatedSystemEvents
Billing methods	A subscription instance can be converted to a pay-as-you-go instance.	2018-09-01	All	Switch the billing method from Subscription to Pay-As-You-Go

August 2018

Feature	Description	Release date	Supported region	Documentation
Local disks	The O&M of instances to which local disks are attached is optimized.	2018-08-31	All	Local disks
Cloud Assistant	Cloud Assistant is supported in the ECS console.	2018-08-17	All	Cloud Assistant
Instance families	SCC instance families are released.	2018-08-16	All	Instance families

July 2018

Feature	Description	Release date	Supported region	Documentation
Custom images	Images in the qcow2 format can be imported.	2018-07-30	All	<ul style="list-style-type: none"> Import custom images ImportImage
Security groups	Security group rules can be modified.	2018-07-25	All	Modify security group rules
Tags	Tags can be bound to resources when you create the resources.	2018-07-20	All	Bind a tag
Instance families	The ebmc4 compute optimized ECS Bare Metal Instance family is released.	2018-07-18	All	Instance families
Snapshots	The estimated remaining time for creating snapshots is displayed.	2018-07-17	All	Create a normal snapshot
Account and user privileges	Quota management is supported.	2018-07-15	All	View quotas (old version)
ESSDs	Enhanced SSD is in public preview in Beijing Zone G.	2018-07-14	Beijing Zone G	Cloud disks overview
Instance troubleshooting	System logs and screenshots can be viewed.	2018-07-13	All	System logs and screenshots
Security groups	You can submit a ticket to modify the maximum numbers of instances and security group rules that can be added to a security group.	2018-07-10	All	Limits
Instance families	The ic5 compute intensive instance family is released.	2018-07-09	All	Instance families

June 2018

Feature	Description	Release date	Supported region	Documentation
Public images	Operating systems including Red Hat can be selected from public images to create ECS instances.	2018-06-29	All	Create an instance by using the provided wizard
Instance upgrade	The configurations of pay-as-you-go instances can be upgraded or downgraded across instance families.	2018-06-15	All	Instance type changes
Billing methods	Subscription instances can be renewed on a weekly basis.	2018-06-12	All	Manually renew an instance
Security groups	Security groups in the classic network can be cloned to a VPC.	2018-06-06	All	Clone a security group
Active O&M	Phase 2 of active O&M is brought online.	2018-06-01	All	Overview of system events

May 2018

Feature	Description	Release date	Supported region	Documentation
Custom images	The image compliance tool is released.	2018-05-28	All	Use the image compliance tool
System events	ECS system events are migrated to Cloud Monitor and can be queried.	2018-05-25	All	Overview of system events
Launch templates	The feature of ECS instance launch template is released.	2018-05-11	All	Create a launch template

April 2018

Feature	Description	Release date	Supported region	Documentation
Billing methods	A pay-as-you-go instance can be converted to a subscription instance.	2018-04-23	All	Switch the billing method from pay-as-you-go to subscription
Instance configuration downgrade	Configurations of an expired subscription instance can be downgraded during renewal.	2018-04-13	All	Downgrade instance configurations during renewal

March 2018

Feature	Description	Release date	Supported region	Documentation
GPU-accelerated instances	The NVIDIA GPU Cloud (NGC) GPU-accelerated container is supported.	2018-03-28	All	Deploy an NGC on gn5 instances
System events	The system event feature is released.	2018-03-26	All	Overview of system events
ECS Bare Metal Instance	ECS Bare Metal Instance is released.	2018-03-14	All	ECS Bare Metal Instance
Instance identifier	The ECS instance identifier feature is released.	2018-03-01	All	Instance identity

February 2018

Feature	Description	Release date	Supported region	Documentation
ECS API	The API operation used to check whether the configurations of ECS instances can be upgraded or downgraded is supported.	2018-02-10	All	DescribeResources Modification
Subscription instances	The number of days during which an instance stays expired before it is released is extended from 7 to 15.	2018-02-07	All	Subscription
ECS API	API operations used to create and query resources are released.	2018-02-02	All	DescribeAvailableResource

December 2017

Feature	Description	Release date	Supported region	Documentation
No Fees for Stopped Instances (VPC-Connected)	The No Fees for Stopped Instances (VPC-Connected) feature is available for pay-as-you-go instances.	2017-12-14	All	No Fees for Stopped Instances (VPC-Connected)
ENIs	The ENI feature is released.	2017-12-08	All	ENI overview
FPGA-accelerated instance families	The f1 compute optimized FPGA-accelerated instance family is released.	2017-12-02	All	Instance families
ECS API	The API operation used to create multiple instances at a time is released.	2017-12-01	All	RunInstances
Instance troubleshooting	The real-time diagnostics feature is supported in the ECS console.	2017-12-01	All	Automatic diagnosis system

November 2017

Feature	Description	Release date	Supported region	Documentation
Cloud Migration Tool	The Cloud Migration Tool is released.	2017-11-27	All	Overview of the Cloud Migration tool
Security group rules	Security group rules can be imported and exported.	2017-11-23	All	Manage security group rules
Subscription instances	The auto-renewal feature can be disabled for subscription instances.	2017-11-23	All	ModifyInstanceAutoRenewAttribute
Billing methods	API operations used to create and renew weekly subscription instances are released.	2017-11-03	All	CreateInstance
Instance RAM roles	RAM roles can be assigned to ECS instances.	2017-11-01	All	Overview

October 2017

Feature	Description	Release date	Supported region	Documentation
EIPs	The public IP address of an instance in a VPC can be converted to an EIP.	2017-10-31	All	Convert an ECS public IP address to an EIP
Preemptible instances	Preemptible Instance is released.	2017-10-18	All	Overview
t5, a burstable instance family	The t5 burstable instance family is released.	2017-10-09	All	Overview

September 2017

Feature	Description	Release date	Supported region	Documentation
Billing methods	Bills of pay-as-you-go instances and disks are accurate to the second and generated by hour.	2017-09-29	All	Pay-as-you-go
gn5i, an instance family	The gn5i compute optimized GPU-accelerated instance family is released. It is applicable to deep learning and online reasoning scenarios.	2017-09-23	All	Instance families
ECS disk encryption	ECS disks can be encrypted.	2017-09-05	All	ECS disk encryption

August 2017

Feature	Description	Release date	Supported region	Documentation
Security group rules	Security group rules can be configured based on the 5-tuple.	2017-08-31	All	Security group quintuple rules
ClassicLink	Instances in the classic network can be connected with instances in a VPC through ClassicLink.	2017-08-25	All	Network types
Instance families	The new-generation ECS instances with high clock speed and local SSD-based instances that are equipped with the Skylake processor and support 25 GE networks are released.	2017-08-22	All	Instance families
ECS API	The API operation used to change the bandwidth configurations of instances is released.	2017-08-17	All	ModifyInstanceNetworkSpec
Custom images	Custom images can be imported.	2017-08-10	All	Import custom images

July 2017

Feature	Description	Release date	Supported region	Documentation
Images	Technical support for the Windows Server 2003 public images is discontinued. We recommend that you upgrade to Windows Server 2012 or later at your earliest convenience.	2017-07-20	All	Overview
Security groups	Instances in a security group can be isolated based on a security group rule.	2017-07-07	All	Isolation of instances within a security group

June 2017

Feature	Description	Release date	Supported region	Documentation
Classic network	You cannot create classic network-type ECS instances for the first time after 12:00 (UTC+8) on June 16, 2017. We recommend that you use a VPC.	2017-06-16	All	What is a VPC?

May 2017

Feature	Description	Release date	Supported region	Documentation
Instance RAM roles	The API operation used to manage RAM roles of instances is released.	2017-05-26	All	Use an instance RAM role by calling API operations
Instance families	The network optimized instance family is released.	2017-05-23	All	Instance families
Instance families	The d1 storage intensive instance family is released.	2017-05-12	All	Instance families
Security groups	The default security group rule is modified to expose only ICMP ports, TCP port 22, and TCP port 3389.	2017-05-11	All	Default rules of the default security group
Security groups	Security groups can be backed up, overwritten, and restored.	2017-05-10	All	Restore security group rules

April 2017

Feature	Description	Release date	Supported region	Documentation
SSH key pairs	The SSH key pair feature is released.	2017-04-25	All	SSH key pair overview

February 2017

Feature	Description	Release date	Supported region	Documentation
Custom images	cloud-init is available for some custom images.	2017-02-24	All	Install cloud-init
Instance families	The i1 I/O optimized instance family with local SSDs is released.	2017-02-17	All	Instance families
Snapshots	System disk snapshots can be used to create data disks.	2017-02-15	All	Create a disk by using a snapshot
Instance families	The gn4 compute optimized GPU-accelerated instance family is released.	2017-02-14	All	Instance families

January 2017

Feature	Description	Release date	Supported region	Documentation
Instance families	The ga1 visualization and compute optimized GPU-accelerated instance family is released.	2017-01-24	All	Instance families
Instance families	The se1 dedicated instance family is released.	2017-01-21	All	Instance families

2016

Feature	Description	Release date	Supported region	Documentation
Snapshots	Snapshot 2.0 is released.	2016-03-15	All	Snapshot overview
Disk resizing	The feature of resizing system disks is released.	2016-01-15	All	Resize disks offline (Linux)

2015

Feature	Description	Release date	Supported region	Documentation
Custom images	The feature of importing custom images is released.	2015-12-15	All	Instructions for importing images
Security groups	Security groups are supported in the ECS console.	2015-11-02	All	Create a security group
Alibaba Cloud Marketplace images	Alibaba Cloud Marketplace images are available for commercial use.	2015-09-02	All	Alibaba Cloud Marketplace images
Tags	The tag feature is released.	2015-08-20	All	Overview
System disks	The operating systems of pay-as-you-go instances can be replaced.	2015-08-13	All	Replace the system disk (public images)
Custom images	Custom images can be shared.	2015-05-15	All	Shared images
Disk resizing	Disks can be resized offline.	2015-04-20	All	Overview
Custom images	The image replication feature is released.	2015-01-26	All	Copy custom images

2014

Feature	Description	Release date	Supported region	Documentation
Block Storage	The independent disk feature is released.	2014-08-22	All	Block Storage overview