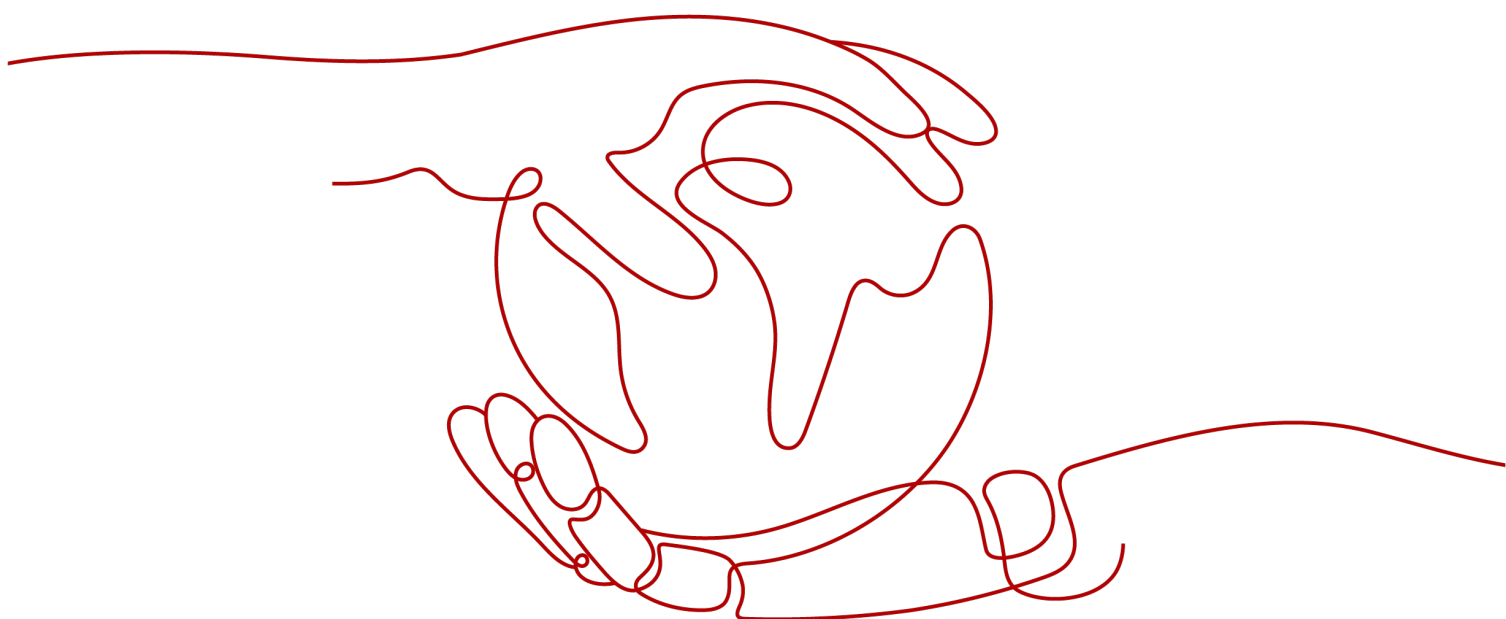


Flexus Contaiier Instance

Service Overview

Issue 01
Date 2024-08-28



Copyright © Huawei Cloud Computing Technologies Co., Ltd. 2024. All rights reserved.

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of Huawei Cloud Computing Technologies Co., Ltd.

Trademarks and Permissions



HUAWEI and other Huawei trademarks are the property of Huawei Technologies Co., Ltd.

All other trademarks and trade names mentioned in this document are the property of their respective holders.

Notice

The purchased products, services and features are stipulated by the contract made between Huawei Cloud and the customer. All or part of the products, services and features described in this document may not be within the purchase scope or the usage scope. Unless otherwise specified in the contract, all statements, information, and recommendations in this document are provided "AS IS" without warranties, guarantees or representations of any kind, either express or implied.

The information in this document is subject to change without notice. Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute a warranty of any kind, express or implied.

Huawei Cloud Computing Technologies Co., Ltd.

Address: Huawei Cloud Data Center Jiaoxinggong Road
Qianzhong Avenue
Gui'an New District
Gui Zhou 550029
People's Republic of China

Website: <https://www.huaweicloud.com/intl/en-us/>

Contents

1 What Is FlexusCCI?	1
2 Billing	3
3 Notes and Constraints	6
4 Regions and AZs	8

1 What Is FlexusCCI?

Overview

Flexus Container Instance (FlexusCCI) is a lightweight container service that allows you to run containerized applications on the cloud. To run various applications (from simple web applications to multi-layer microservices), you only need to specify the container image and compute resource specifications required by the container service, without the need to manage any underlying infrastructure.

FlexusCCI is designed for students, individual developers, and small- and medium-sized enterprises.

Applications Scenarios

- **New Container Users**
FlexusCCI is easy to use. It is the best choice if you are still new to containers.
- **Dedicated Game Servers**
You can set up dedicated servers with a few simple steps even if you are using cloud services for the first time. FlexusCCI containers are easy to deploy and operate.
- **Cross-Border E-commerce**
Pods with small flavors are suitable for setting up cross-border e-commerce proxies, and EIPs can be bound to container services to handle traffic over the public network.

Product Advantages

- **Streamlined experience**
Compared with traditional Kubernetes container services, FlexusCCI simplifies the operations. You can start containerized applications with just a few clicks.
- **Minimal cost**
You can start and stop containers at any time if needed, which helps save your money.
- **Fast response**
Multiple specifications and templates are provided to simplify configuration parameters and operations. You can create containers and respond to service requirements faster.

Billing Mode

FlexusCCI supports pay-per-use billing.

2 Billing

This section describes the billing mode and billed items of FlexusCCI, how to top up your account when your account is in arrears, and how to delete FlexusCCI containers.

Billing Mode

FlexusCCI supports pay-per-use billing.

Pay-per-use is a postpaid billing mode. You pay as you go and just pay for what you use. FlexusCCI is calculated by the second but billed every hour. This mode allows you to adjust resource usage easily. You do not need to prepare resources in advance, and will not have excessive or insufficient preset resources.

Table 2-1 FlexusCCI billing mode

Billing Mode	Pay-per-Use
Payment	Postpayment Billed by how long you use your resources
Billing Method	Calculated by the second but billed every hour
Billing After Containers Are Stopped	You will not be billed after containers are stopped.
Changing the Specifications	Not supported
Filing	Not supported
Application Scenario	Recommended when the resource demands are likely to fluctuate and you want more flexibility.

Billed Items

Table 2-2 FlexusCCI billed items

Billed Item	Description	Billing Mode	Billing Formula
FlexusCCI pod	Compute varies by the number of vCPUs and memory. Billed by vCPUs and memory	Pay-per-use	Unit price × Required duration The unit price of an instance is that displayed on the console.
Public network traffic	An EIP is required for each container service. Billed by traffic and the EIP reservation price NOTE If the EIP has been bound to a container service, the EIP reservation price is 0.	Pay-per-use	Traffic The unit price of the public network traffic is that displayed on the console.

Arrears

Pay-per-use FlexusCCI containers are settled periodically. If you do not have a valid payment method configured or your account balance is insufficient, your account will fall into arrears.

The following describes the impacts if your FlexusCCI containers expire or if your account is in arrears.

Phase	Impact
Grace period	The FlexusCCI containers enter the grace period after your account is in arrears. During the grace period, you can still access and use them.
Retention period	If you do not renew your FlexusCCI containers or pay off the arrears before the grace period expires, they enter a retention period. They cannot be accessed or used during the retention period, but they are retained.

After FlexusCCI containers enter a grace period or retention period, Huawei Cloud will notify you of this by email or text message. If you do not complete the renewal or payment before the retention period ends, your FlexusCCI containers will be released. To avoid impacting your services, renew them in a timely manner.

Top-up

If your account is in arrears, FlexusCCI containers cannot be used. If you want to continue using them, renew them before the **retention period** ends, or they will be released and cannot be recovered.

 **NOTE**

Pay-per-use is a postpaid billing mode. Pay-per-use FlexusCCI containers are automatically settled by the hour. You will need to make sure you have a top-up account with a sufficient balance or have a valid payment method configured first.

Unsubscription and Deletion

If you no longer need FlexusCCI containers, delete them to avoid unnecessary costs.

 **NOTE**

You can delete pay-per-use FlexusCCI containers on the console directly.

3 Notes and Constraints

To ensure that your FlexusCCI containers run normally, read the following constraints and notes before using them.

Constraints

Table 3-1 FlexusCCI constraints

Item	Description
Container image	<ul style="list-style-type: none">• Private images are regional resources. Containers can use private images that are in the same region as them.• FlexusCCI containers use the x86 architecture and do not support private container images of the Arm architecture.
Quota	<ul style="list-style-type: none">• The quota of container services is restricted by that of EIPs. A Huawei Cloud account can create up to five container services in a region.• The quota of the private image repositories is restricted by SWR. For details, see the SWR documentation.
Storage	<ul style="list-style-type: none">• A 30-GiB system disk is provided for each container service. No additional data disk can be attached.• System disks cannot be expanded.
Network	<ul style="list-style-type: none">• Public network<ul style="list-style-type: none">- By default, an EIP needs to be bound to a container service. After a container service is disabled, the EIP will be released.- IPv6 is not supported.• Private network<ul style="list-style-type: none">- The VPC cannot be changed after a FlexusCCI pod is created.• ICP licensing<ul style="list-style-type: none">- ICP licensing is not supported.• Load balancing<ul style="list-style-type: none">- FlexusELB is not supported.

Item	Description
Observability	Retention period of container service monitoring data: 14 days
Container starting and stopping	After FlexusCCI containers are stopped and restarted, the public and private IP addresses will change.
Container update	After a container service is created, its name cannot be changed.
Billing	Billing starts after a container service is created. If the container service is in the Unready state for a long time, locate the fault. Common scenarios include incorrect container image setting and insufficient EIPs.

4 Regions and AZs

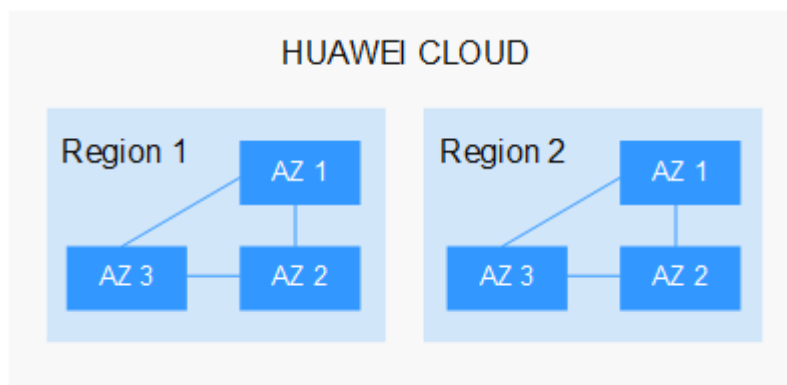
Concept

A region and availability zone (AZ) identify the location of a data center. You can create resources in a specific region and AZ.

- Regions are divided based on geographical location and network latency. Public services, such as Elastic Cloud Server (ECS), Elastic Volume Service (EVS), Object Storage Service (OBS), Virtual Private Cloud (VPC), Elastic IP (EIP), and Image Management Service (IMS), are shared within the same region. Regions are classified into universal regions and dedicated regions. A universal region provides universal cloud services for common tenants. A dedicated region provides specific services for specific tenants.
- An AZ contains one or more physical data centers. Each AZ has independent cooling, fire extinguishing, moisture-proof, and electricity facilities. Within an AZ, computing, network, storage, and other resources are logically divided into multiple clusters.

Figure 4-1 shows the relationship between regions and AZs.

Figure 4-1 Regions and AZs



Huawei Cloud provides services in many regions around the world. You can select a region and an AZ based on requirements. For more information, see [Huawei Cloud Global Regions](#).

Region Availability

FlexusCCI is only in the AP-Singapore and TR-Istanbul regions.

Selecting a Region

When selecting a region, consider the following factors:

- Location
You are advised to select a region close to you or your target users. This reduces network latency and improves access rate.
- Resource price
Resource prices may vary in different regions. For details, see [Product Pricing Details](#).

Selecting an AZ

When deploying resources, consider your applications' requirements on disaster recovery (DR) and network latency.

- For high DR capability, deploy resources in different AZs within the same region.
- For lower network latency, deploy resources in the same AZ.