

# Edge Zone

## FAQs

## **Product Documentation**





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### FAQs

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#### What is Edge Zone?

Edge Zone is a local extension of the cloud platform and a new form of infrastructure deployment. Edge Zone allows you to provide an experience that is consistent with the central node at positions closer to users, offering them low-delay access.

#### What are the differences between Edge Zone and existing availability zones?

The existing availability zones are mainly deployed in super large cities and network convergence centers, while Edge Zone aims to provide cloud computing services closer to end users and local applications around the existing availability zones. Both the production field like smart IoT, industrial automation, and intelligent transportation, and the entertainment field like games, VR/AR, ultra-high-definition video, and live streaming have a high demand on the delay control of the cloud data center and the requirements for mass data transmission/processing. Edge Zone can help users effectively build their edge services and applications at a lower price.

#### What problems can Edge Zone solve?

Edge Zone can solve issues related to availability and latency of computing, storage, and services. By offering an experience that is consistent with central nodes at positions closer to users, Edge Zone supports business penetration and features low delay, broader coverage, and lower costs.

Edge Zone supports Direct Connect. Resources created in Edge Zone can be provided to local end users via communication methods with extremely low-delay.

#### What are the strengths of Edge Zone?

Edge Zone features elasticity and scalability, low latency for end users, consistent experience at the availability zones, and diverse configurations and features. For details, see <u>Strengths</u>.

#### What services are provided in Edge Zone?

Edge Zone supports core product capabilities such as Cloud Virtual Machine, Virtual Private Cloud, Cloud Load Balancer, and Containers, to achieve cloud-edge integration and deliver a consistent experience with central nodes.

#### What are the use cases supported by Edge Zone?

Edge Zone supports cases like game acceleration, Tencent Real-Time Communication, CDN origin-pull, etc. For details, see Use Cases.

#### How to purchase Edge Zone?

Edge Zone is currently in the beta testing stage. If you need to use this product for your business scenario, please contact your business manager for application.

#### What are the requirements for applying for Edge Zone?

During the trial application review, whether your business scenario matches the product use cases will be an important assessing criterion. Please describe your business scenario and the reasons for applying this product in detail in the application.

#### Does Edge Zone support traditional accounts?

Edge Zone does not currently support traditional accounts and requires upgrading to a bill-by-IP account.

#### Does Edge Zone support API capabilities?

Yes. The APIs used by Edge Zone are consistent with those of the central node's availability zone. For example, when you create CVM resources, you only need to enter the Edge Zone ID into the Placement field to create resources in Edge Zone by using the RunInstances API.

#### Does Edge Zone support CVM?

Yes. Edge Zone utilizes the same virtualization mechanism as those in the central cloud, supporting the virtualization of physical machine resources into virtual machines of various specifications. We can use the same APIs as the central cloud to create and manage these virtual machines.

Edge instances can be created.

Billing mode	rtmn -	ubscription to businesses with long-term demands	Chinese Applicable	rou-go for regions outside the e mainland e to scenarios where the are fluctuated significantly		pot instances Up to 95% off for Hong and other regions outs p to 95% is saved comp s-you-go instance, but istance may be automat
Region			e and America			
	Qingyuan	Sold C Shenzhen Shenyu Tenpa		Shanghai	Nanjing	Shanghai Self-dr
	Chongqing	Hong Kong (China)	(New) Taiwan (China)			
	Tencent Cloud products in	n different regions cannot com	municate via a private networł	k. The region cannot be chang	ged after the creation. P	Please select the region
Availability zone	Central AZ	Edge AZ				
	Out of stock. Restocking.	· · · ·				
	Sold Out Harbin Edge Zone 1	Sold Out Shenyang Edge Zone 1	Shenyang Edge Zone 2	Sold Out CTCC Shijiazhuang Ed	Sold Out dge Zone 2	

#### Does Edge Zone support Container VPC?

Yes. Edge Zone adopts the same deployment method as those in the central cloud, supporting the deployment of EKS and TKE services. Customers can create and manage container resources in Edge Zone through container products.

Service Tencent Cloud	Overview Products <b>v</b> Te	ncent Cloud Lighthouse Cloud Virtual M	lachine Tencent Clou	ud Blockchain RPC Tencent Kub	ernetes Engine +
Tencent Kubernetes Engine	← Cluster-(Beijing) / te	est / Create	Model configurat	ion	
Overview					
⊘ Cluster	Node launch configurat	ion	() Models su	ipported on a general node are not e	xactly the same as that sup
	Node pool name	Please enterNode pool name	Availability zone	All AZs Beijing Zone 2	Beijing Zone 3
↔ Service Mesh		The name cannot exceed 255 characters.		-	
Application	Node pool type	General node pool		Shenyang Edge Zone 2 CTC	C Harbin Edge Zone
Helm	Image provider	Public image Marketplace		The information of AZ is not inclu	ded in the launch configurat
Images ☑	Operating system	TencentOS Server 3.1 (TK4)	Model	Please select	▼ Please select
😥 Image Cache		Choosing an Image (TencentOS Server i	S		
Ops	Billing mode	Pay-as-you-go Spot M	c	All instance families	Standard MEM-c
C TKE Insight	Supported network(i)	Default-VPC(vpc-8ii9rlp  C	1	NPU-based High	n IO Big Data
Backup Center				Freierentia	

#### Does Edge Zone support Virtual Network?

Yes. Edge Zone uses the same network services as those in the central cloud. The methods for creating and managing VPCs and Subnets are the same, supporting communication between the central cloud and Edge Zone within the same virtual network.

Content Cloud	Overview Products	Tencent Cl	loud Lighthouse	Create VPC					
Virtual Private Cloud	Virtual Private C	loud 🕓 Beij	jing 1 🔻	VPC informat	tion				
日 Network Topology Map	i The cross-A	AZ traffic service in t	the same region w	Region Name	North China(Bei	jing)			
Public Bandwidth Overview	• The traffic	c fee for cross-AZ ir	n the same region i		Up to 60 charact	ters ([a-z], [A-	Z], [0-9],	, [] and Chinese	characters).
Retwork Performance	Create			IPv4 CIDR Block	10 🔻 · 0	.0.0/	16 🔻	~	
Dashboard			IPv6 CIDR		The IP range car proper network		ged onc	<mark>ce created</mark> . It's rec	commended to have a
Virtual Private Cloud		172.21.0.0/16(		Tags	Tag Key		•	Tag Value	• ×
Subnet	Default-VPC	Primary)   1	-		+ Add 🕥 P	aste			
Route Tables				Subnet inforr	nation				
🛄 IP and Interface 🕤				Subnet name	тепсенциар с	טב ט			
Shared Bandwidth Pack					Harbin Edge Z		·Z], [0-9],	, [] and Chinese	characters).
Network Connection				IPv4 CIDR Block	Shenyang Edg		Edge Zo	ne 1	
📋 NAT Gateway 🗸				SIGGR	Shenyang Edg Shijiazhuang E	e Zon			

#### Does Edge Zone support CBS?

Yes. Edge Zone supports the deployment of the same CBS as those in the central cloud, and allows binding with Virtual Machines. Customers can use the block storage in Edge Zone for both system and data disks of VMs.

Content Cloud	Overview Products <b>*</b> Tenc	Purchase Data Disk
Cloud Virtual Machine	Cloud Disk Seijing(9)	(i) 1. Elastic cloud disk can ONLY be attached to instances in the same AZ.
😥 Instances	Create Attach	2. After purchase, the data disk needs to be attached to an instance and initialized before use. Learn more 🛂
🚆 Launch Templates	Separate keywords with " ", and s	AZ * Beijing Zone 2(2) Beijing Zone 3(1) Beijing Zone 4(0) Beijing Zone 5(1)
😂 Dedicated Hosts	ID/Name	Beijing Zone 6(0) Beijing Zone 7(4) Harbir Edge Zone 1(1)
HPC Cluster		Ten Beijing Zone 1(0)
⊗ Reserved Instance	disk-n7nyc4df Unnamed_SYSTEM_DISK	Not         1. Cloud disks cannot be attached across AZs, and the AZ cannot be changed.           e:         2. Cloud disks cannot be directly attached to Lighthouse instances. To create a Lighthouse
Placement Group		go to Tencent Cloud Lighthouse - Cloud Disk and perform the operation.

#### Does Edge Zone support CFS?

Yes. Edge Zone supports the deployment of the same CFS service as those in the central cloud, which can be used in conjunction with various cloud product resources.

Stencent Cloud	Overview	Products •	Tencent Cloud Lighthouse	Cloud Virtual Machine	Tencent Cloud Blockchain RPC	Tencent Kubernetes Engine	+
Cloud File Storage							
Overview	<b>e</b>	Select File Sys Type	S' Deijing zone z		Q,		
Tile System			Beijing Zone 3				
🙆 Snapshots 🗸 🗸	Storag	e Class	Beijing Zone 4(Unsupported y	vet)			
	File Sy	stem Name	Beijing Zone 5				
(5) Permission Group			Beijing Zone 6				
	Regior	1	Harbin Edge Zone 1				
	Availa	bility Zone	Beijing Zone 6		•		

#### Does Edge Zone support COS?

Yes. Edge Zone supports the deployment of the same COS and CSP service as those in the central cloud, which can be used in conjunction with various cloud product resources.

#### Does Edge Zone support various databases?

Yes. Edge Zone supports the deployment of the same types of database services as those in the central cloud, such as Mysql, Redis, TDSQL-C Mysql, and PostgreSQL, which can be used in conjunction with various cloud product resources.

#### What PaaS services does Edge Zone support?

In addition to supporting PaaS products like Containers and databases, Edge Zone also supports the deployment of the same CKafka and other PaaS services as those in the central cloud. Any service available in the central cloud can be supported after appropriate adaptation.

#### Can Edge Zone support all products of the central cloud?

Basically yes. The primary feature of Edge Zone is its homogeneity and isomorphism with Tencent Central Cloud. The control systems are consistent and all managed by the Central Region. Therefore, the product capabilities of Edge Zone can be aligned with those of the central cloud, sharing the same product capabilities, documentation, and API capabilities, which extend the product capabilities of the central cloud to edge IDC closer to the customers.

#### What hardware does Edge Zone support?

The services of Edge Zone are deployed on specified hardware from vendors included on the cloud platform's Vendor List, and the device configurations and specifications are strictly regulated and specified by the cloud platform.