



Foreword

- HUAWEI CLOUD is a leading cloud service provider, which brings
 Huawei's 30-plus years of expertise together in ICT products and
 solutions. We are committed to providing reliable, secure, and cost effective cloud services to empower applications, harness the power of
 data, and help organizations of all sizes grow in today's intelligent
 world. HUAWEI CLOUD is also committed to bringing affordable,
 effective, and reliable AI services.
- In this chapter, we will have a brief overview of HUAWEI CLOUD.



Objectives

- Upon completion of this course, you will:
 - Understand the positioning and application scenarios of HUAWEI CLOUD.
 - Understand the delivery modes, technical support, and ecosystem of HUAWEI CLOUD.
 - Understand concepts related to HUAWEI CLOUD.



Contents

1. HUAWEI CLOUD Overview

- 2. Application Scenarios
- 3. Delivery Modes
- 4. Technical Support
- 5. Ecosystem
- 6. Quick Start



Start a Journey with HUAWEI CLOUD

Grow With Intelligence

+AI, Accelerate Digital Transformation and Innovation

Introduction

Ecosystem

Customer Success Stories

HUAWEI CLOUD is a leading cloud service provider, which brings Huawei's 30-plus years of expertise together in ICT infrastructure products and solutions. We are committed to providing reliable, secure, and cost-effective cloud services to empower applications, harness the power of data, and help organizations of all sizes grow in today's intelligent world. HUAWEI CLOUD is also committed to bringing affordable, effective, and reliable cloud and AI services through technological innovation.

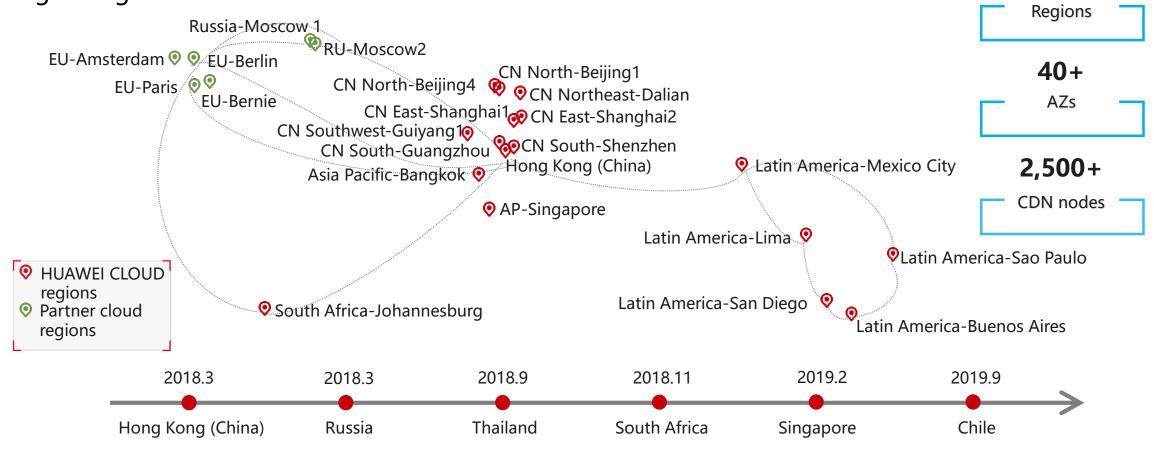


HUAWEI CLOUD official website: https://www.huaweicloud.com/intl/en-us

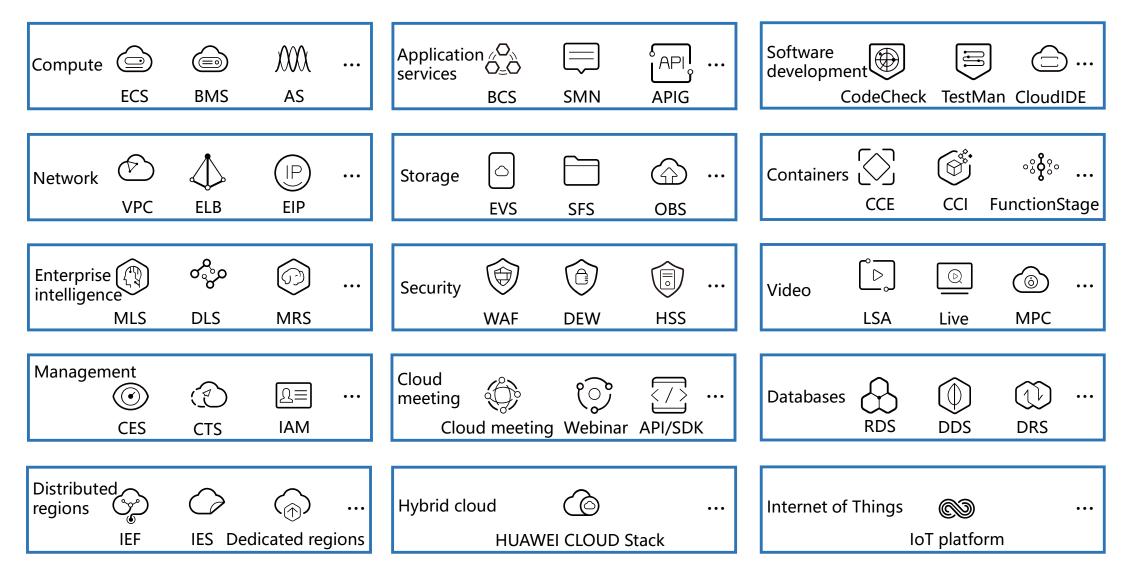


Global Connectivity and Services

HUAWEI CLOUD provides global connectivity. With HUAWEI CLOUD, Chinese enterprises can
quickly expand into the international markets and international enterprises can also tap into fastgrowing Chinese markets.



200+ Cloud Services Are Available and More Are Coming





HUAWEI CLOUD Data Centers: Innovation from Chips

Al processors

Smart NICs

Faster and smarter SSDsChip-based root of trust

Ascend

Ascend Al processor

Hi1822 Industry-First 100 G iNIC Hi1812E 4th Gen SSD Controller

DAEMON Chip-Based Root of Trust

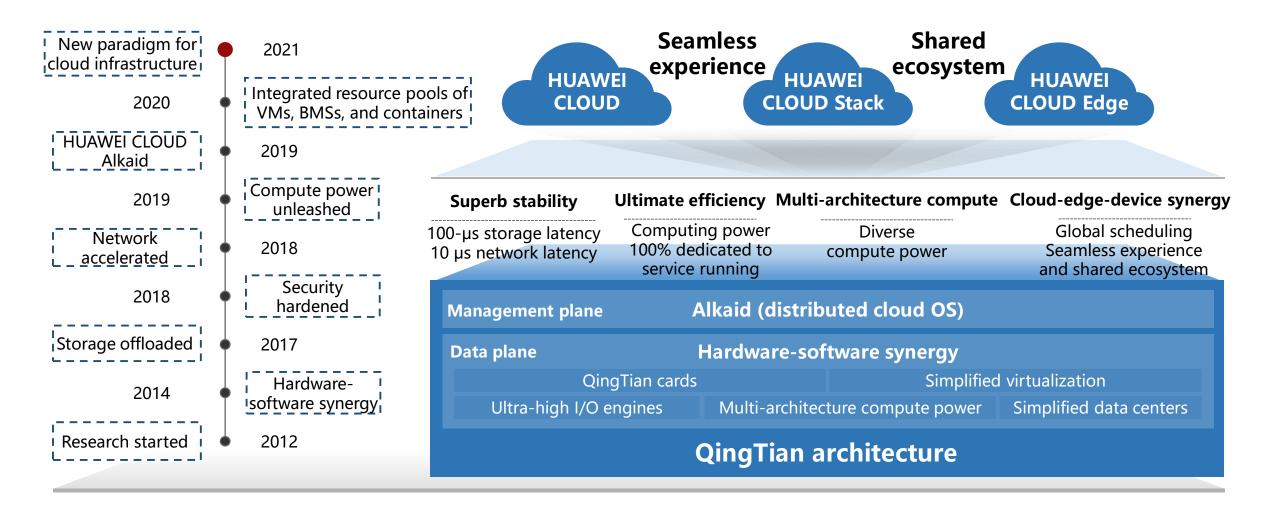
- 16 512 TOPS series
- Innovative DaVinci architecture
- Optimized Al instruction sets

- Programmable NICs, better performance than standard NICs
- Multi-protocol offloading, including VxLAN/RoCE/OVS
- 15 MPPS, 2.5 times higher than the industry's best

- IOPS: ↑ 75%+
- Bandwidth: ↑ 60%+
- Latency: ↓ about 15% (thanks to the intelligent multi-stream technology)
- Firmware security protection
- Strong ID security protection
- **Trustworthiness** management

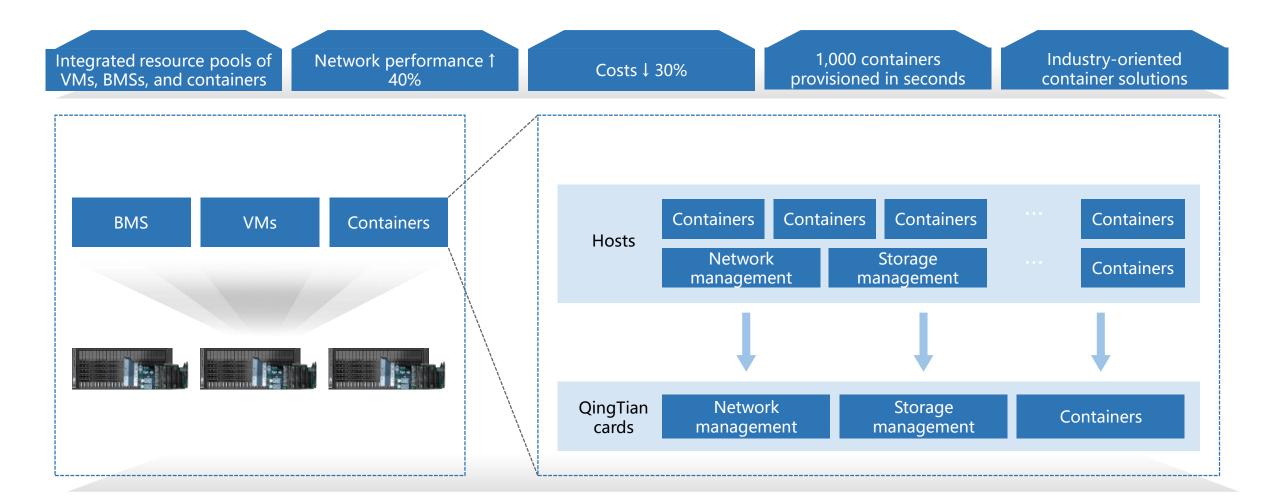


Innovative QingTian Architecture



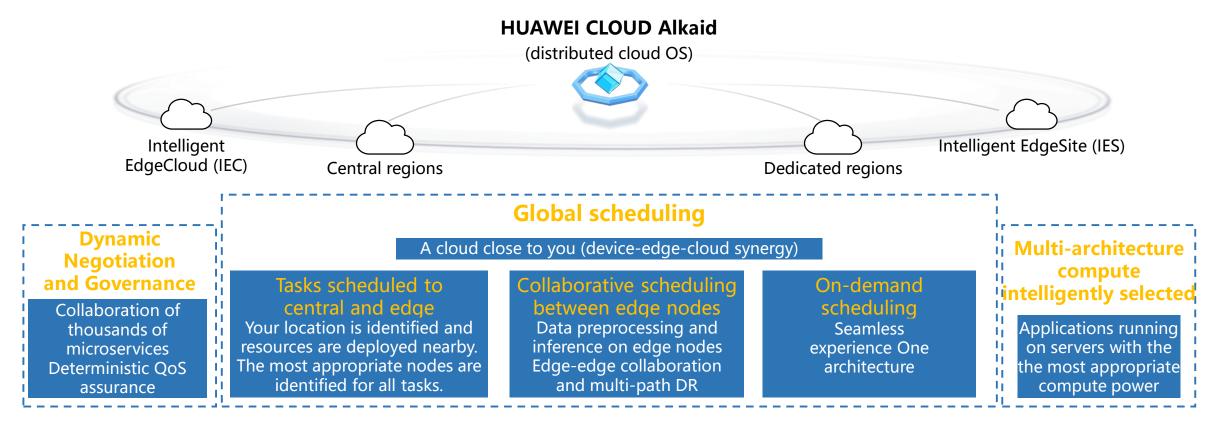


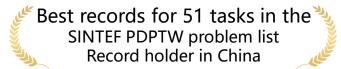
The Industry's Only BMS with No Loss of Performance





Alkaid Distributed Cloud OS Schedules Tasks Globally









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Application Scenarios

• HUAWEI CLOUD provides cloud services and solutions to address your requirements, no matter which industry you are in.

Solutions by Enterprise Type

Solutions by Industry

Solutions by Use Case

Solutions by Organization Type



Solutions by Enterprise Type

• HUAWEI CLOUD provides a full portfolio of cloud solutions to empower startups, marketing, management, and business expansion.

Establishment, OA, marketing, intellectual property rights protection, and business Startups expansion Website 3,000+ website templates, one-on-one expert advisory, free ICP filing building Enterprise ERP on cloud management International Solutions for helping Chinese-funded enterprises go international expansion Cloud Web applications on cloud migration Transportation Network freight platform on cloud management



Solutions by Industry

• HUAWEI CLOUD provides solutions for a wide range of industries, so you can always find the cloud services you need.

Financing Gaming Energy Smart retail **Automobile** E-commerce Government & public Media entertainment **Smart city** utilities Transportation and Manufacturing Healthcare logistics Agriculture and **Industrial Internet** Education environmental protection



Solutions by Use Case

 HUAWEI CLOUD pre-integrates products and capabilities to meet the requirements of running ICT businesses on the cloud.

Video Smart campus SAP on cloud Edge-cloud synergy Security **Basic solutions** Blockchain Scientific computing Web & Mobile DR and backup Data platforms DevOps Application platforms Enterprise office **Business applications**



Solutions by Organization Type

• HUAWEI CLOUD provides solutions for helping enterprises, public welfare and non-profit organizations, and HMS partners to migrate to the cloud with ease.

Enterprise applications

A large number of applications and one-stop services for enterprises

Public welfare and non-profit organizations

Leverage digital technology to promote sustainable social and economic development

HMS applications

Work with HMS partners to build a flourishing ecosystem



HUAWEI CLOUD Is Powering Every Industry

Government & public utilities **Rainforest Connection** Financial services WAPI Pay in South Africa Internet Nestia in Singapore Energy and manufacturing PTT Digital in Thailand AASA in South Africa Automobile **UCARS** in Singapore



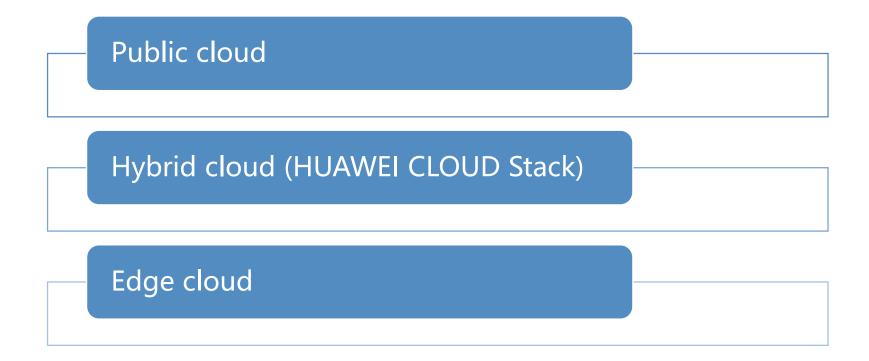
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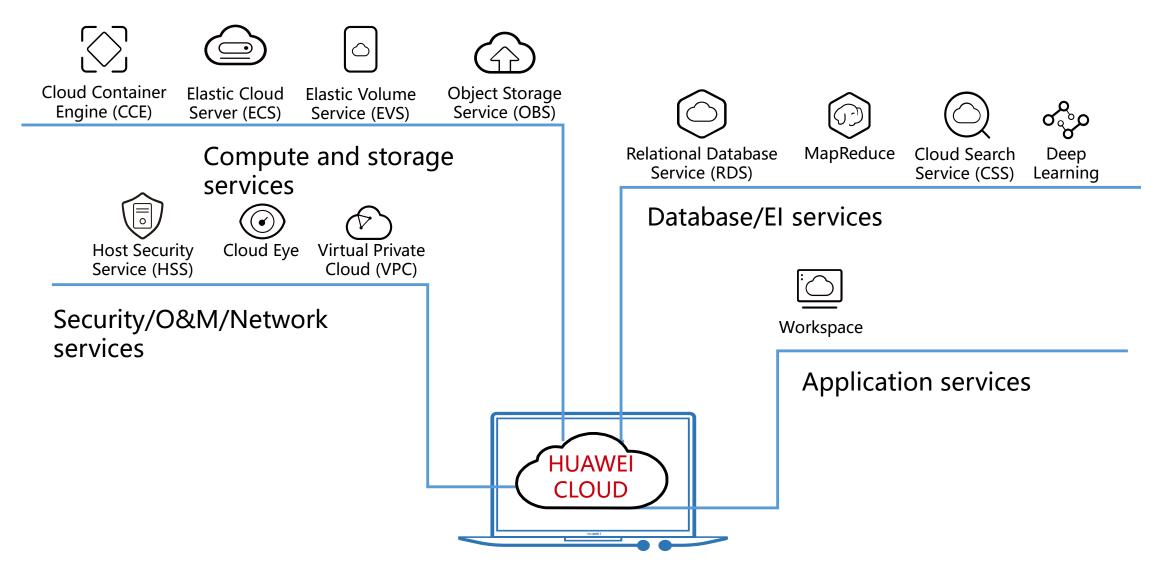
Delivery Modes

Different users may have different requirements for cloud service delivery.
 HUAWEI CLOUD provides the following delivery modes:



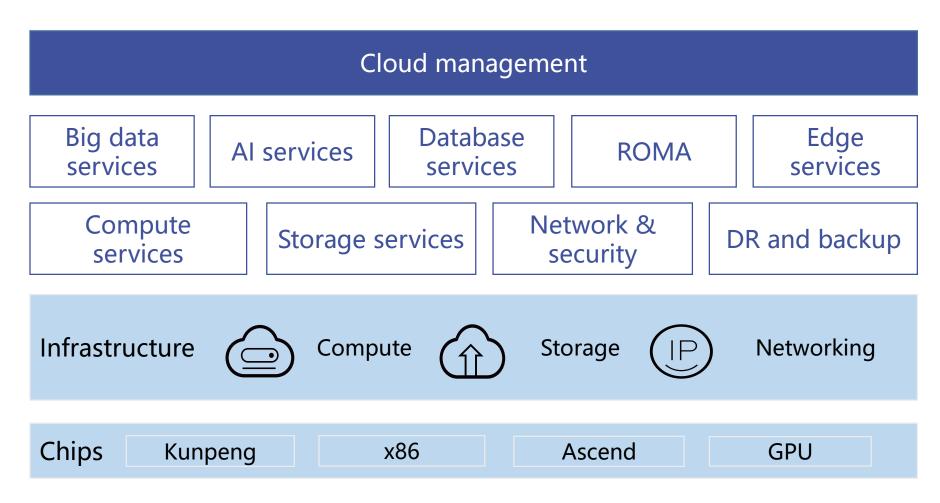


Public Cloud



HUAWEI CLOUD Stack

HUAWEI CLOUD Stack is a cloud infrastructure deployed at on-premises data centers.





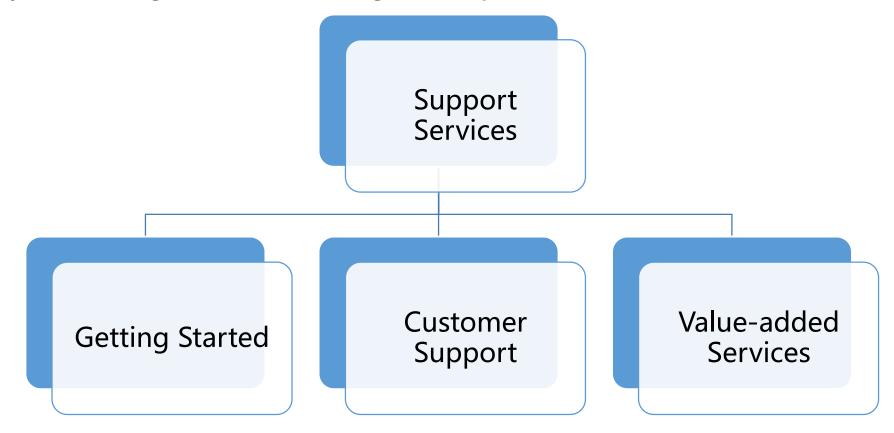
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HUAWEI CLOUD Technical Support

 HUAWEI CLOUD provides efficient service assurance and diverse support plans to walk you through the cloud migration process.





Getting Started

Getting started with cloud products

Learn about compute, network, storage, application, El, database, security, and migration services. Familiarize yourself with common operations in minutes.

Hands-on labs

Log in to the HUAWEI CLOUD website, register an account, and try out the cloud services.

Online courses

Take the online courses designed for your role. These online courses can help sharpen your cloud skills and expertise.



Customer Support

Intelligent diagnosis, quick response, and fast Chatbot troubleshooting. Convenient O&M tools and answers to Self-service frequently asked questions. Professional pre-sales consulting and after-sales Contact us support services. Service 24/7 support and free ICP filing. assurance Product **HUAWEI CLOUD official bulletins.** notices



Value-added Services

Support plans

Service support plans of different levels

Professional services

• Full-process professional services

Training services

• Training and certification services for cloud migration



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New Tech Gives Rise to New Products, and Ecosystems

Digital technologies are reshaping the business models of various industries.

Product-centric

- Provide products, applications, and services.
- A large number of such enterprises (professional skills, craftsmanship spirit, pursuing product excellence, great flexibility)
- Poor anti-risk capabilities

Platform-centric

- Provide industryspecific platform services.
- Market share of over 30%
- Fierce competition

Ecosystem-centric

- Few of these exist
- Large-scale, crossindustry, and influential in the society
- Unique ways of surviving and developing competence

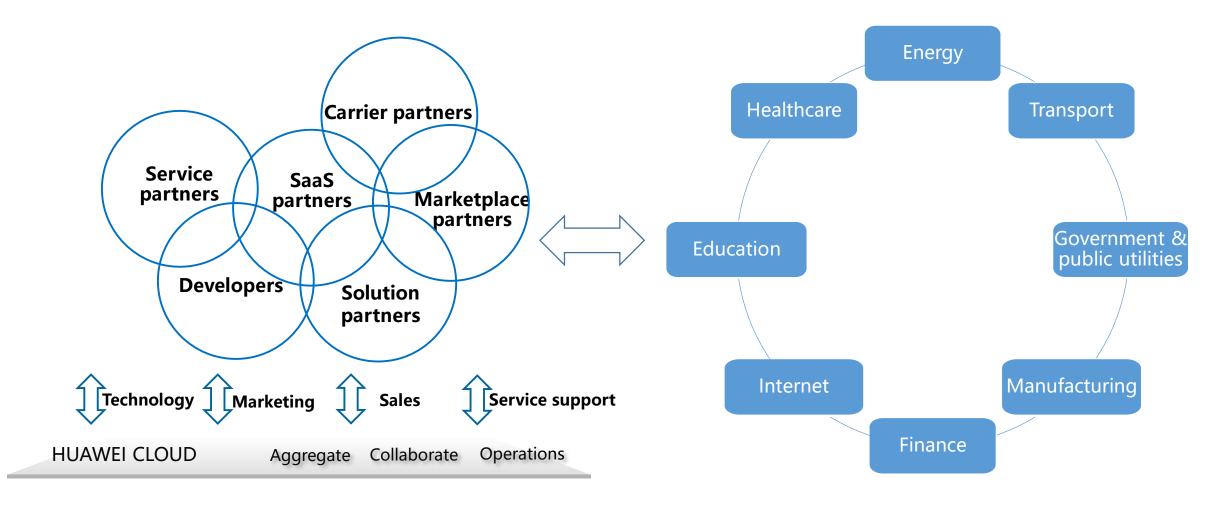
Advanced digital technologies

Innovative business models

Platform-centric enterprises will inevitably focus on ecosystem building.



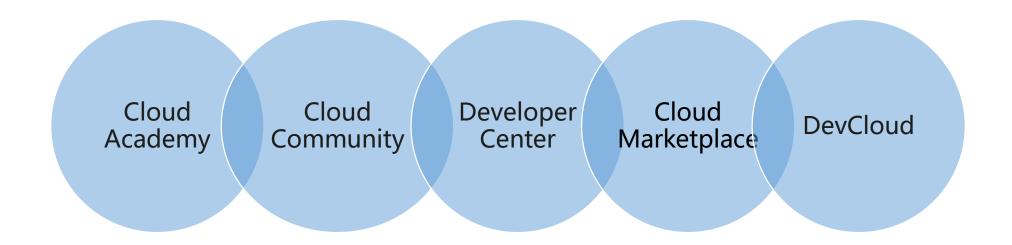
Multiple Parties Joining Hands for Digital Transformation





HUAWEI CLOUD Developer Support Platform

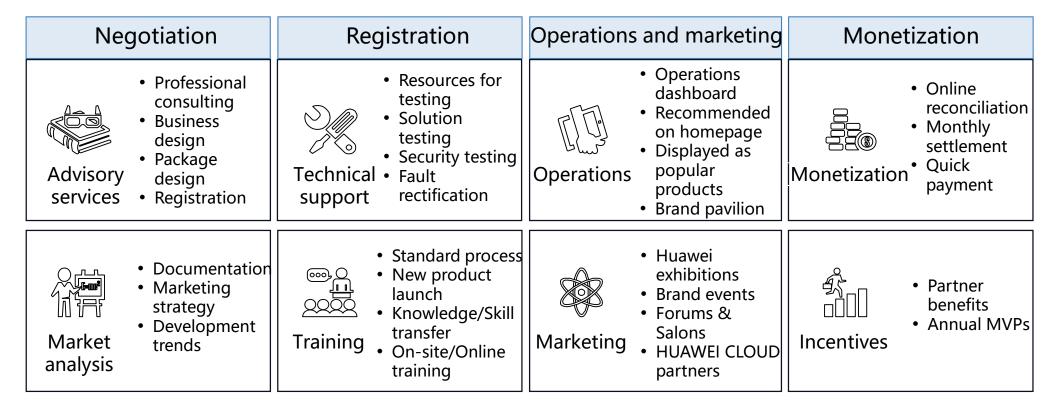
• A one-stop platform for developers to obtain resources and toolkits and interact with each other.





HUAWEI CLOUD Marketplace Seller Learning Center

• HUAWEI CLOUD Marketplace provides end-to-end services for service providers, making registration and operations easier.





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How to Use HUAWEI CLOUD?

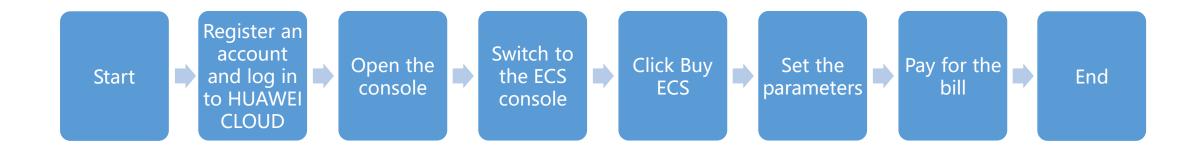
How do we use HUAWEI CLOUD?

What should we pay special attention to?





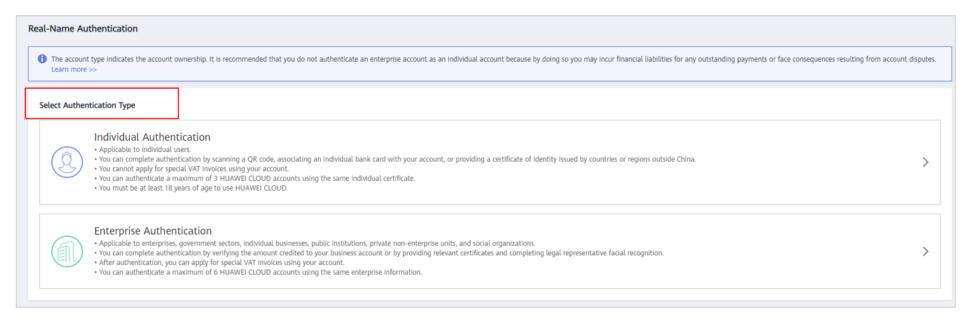
Buy an ECS





Register an Enterprise Account

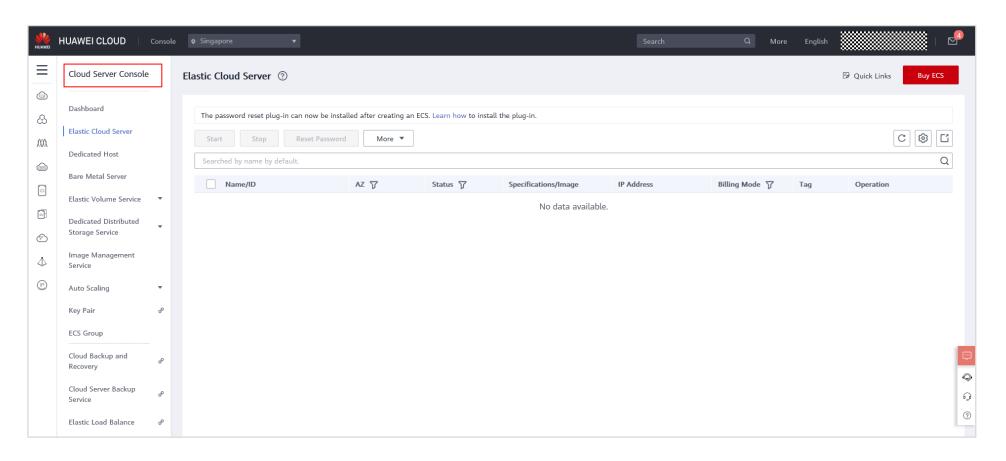
- Log in to the HUAWEI CLOUD website at https://www.huaweicloud.com/.
- Register a HUAWEI CLOUD account.
- Verify the account.
 - After the registration is complete, use the registered account to log in to HUAWEI CLOUD. A message is displayed, indicating that the enterprise authentication needs to be completed or an email address needs to be added. Click OK.
 - Choose Real-Name Authentication > Enterprise Authentication and complete the real-name authentication.
- Add your Email address.





What Is Console?

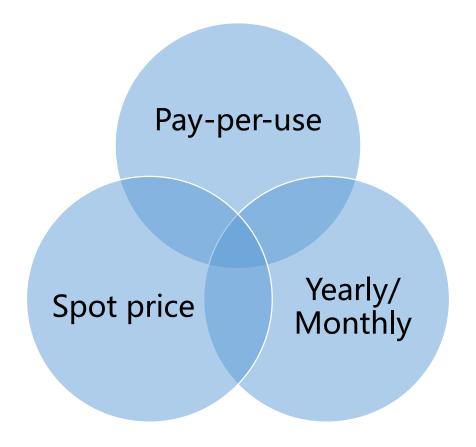
• The console is where you can request and manage cloud service resources.





HUAWEI CLOUD Billing Modes

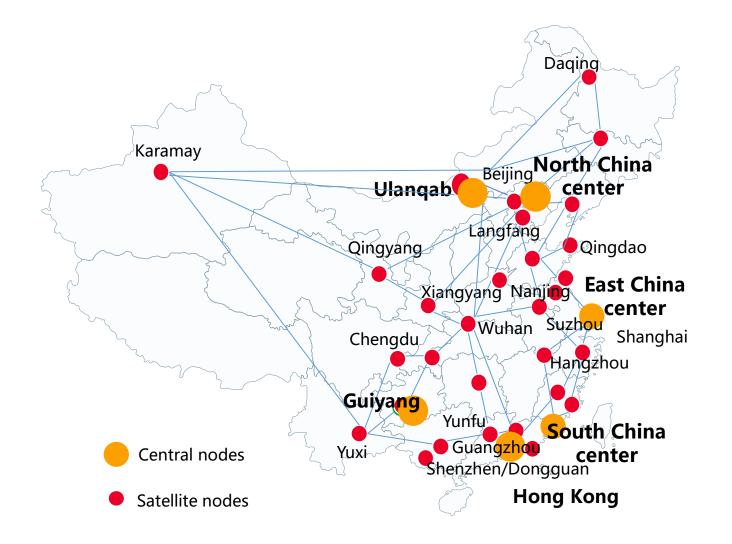
• The billing modes for cloud services vary. The following billing modes are available for ECS:





What Is Region?

- Regions are determined 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, and Image Management Service (IMS), are shared within the same cloud region.
- Regions are classified as either universal or dedicated. A universal region provides cloud services for all tenants. A dedicated region provides only services of a certain type or only for certain tenants.

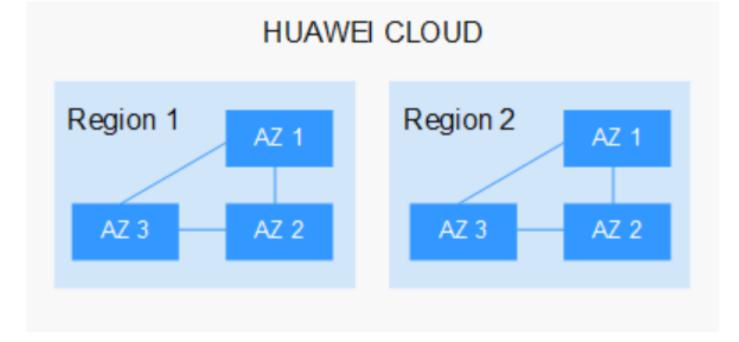




What Is AZ?

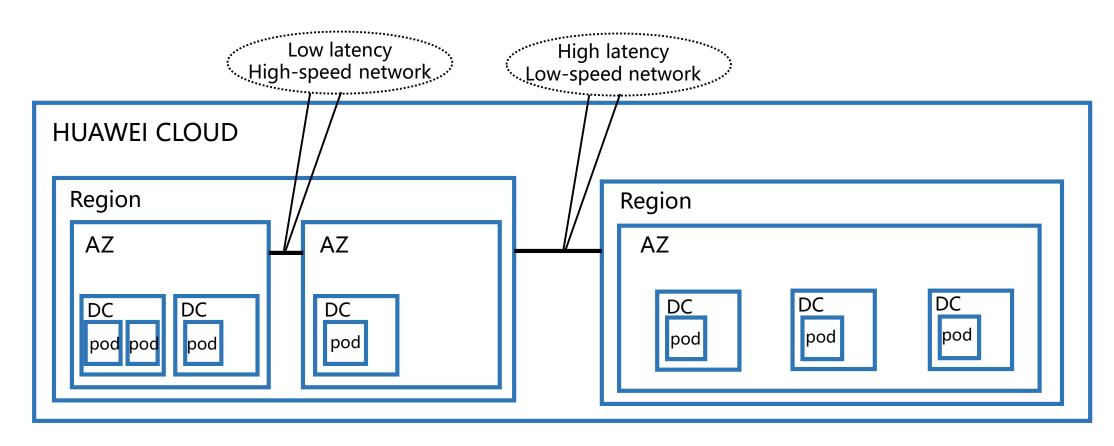
An AZ contains one or more physical data centers. Each AZ has independent cooling, fire extinguishing, moisture-control, and electrical facilities. Within an AZ, compute, networking, storage, and other resources are logically divided into multiple clusters. AZs within a region are interconnected using high-speed optical fibers to ensure high

availability.



Differences Between Regions and AZs

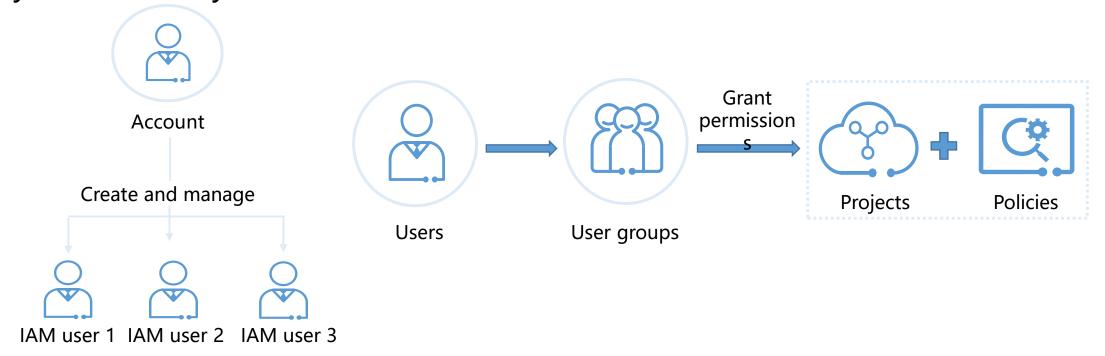
• An AZ is a subdivision of a region. A region can contain multiple AZs.





What Is IAM?

 Identity and Access Management (IAM) is used to manage user access to cloud resources. If you want to share resources with others but do not want to share your account, you can create an IAM user.





What Is a Project?

Definition

 A project is used by IAM to group and isolate resources in the same region.

Features

 A project is used for physical isolation. Resources cannot be transferred between IAM projects. They can only be deleted and then provisioned again.



What Is an Enterprise Project?

Definition

• The Enterprise Management Service also supports projects, which are called enterprise projects. Enterprise projects group and manage resources across regions.

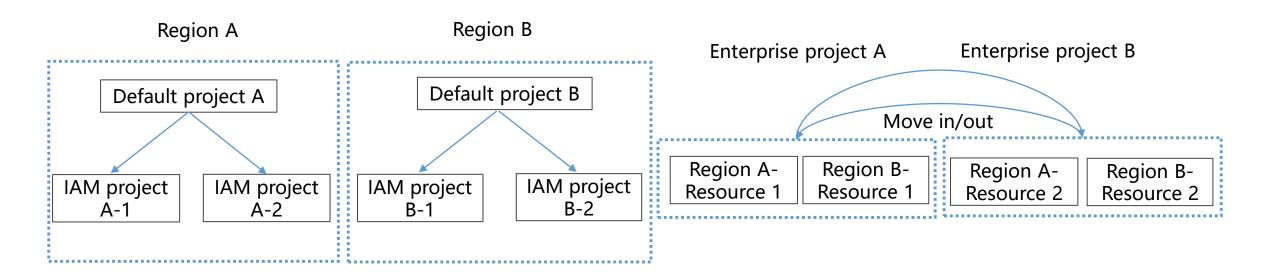
Features

 An enterprise project can contain resources of multiple regions, and resources can be added to or removed from enterprise projects. If you have enabled enterprise management, you cannot create an IAM project. You can only manage existing projects.



Differences Between IAM Projects and Enterprise Projects

- IAM projects group and physically isolate resources in the same region. Resources cannot be transferred between IAM projects. They can only be deleted and then provisioned again.
- Enterprise projects group and logically isolate resources. An enterprise project can contain
 resources from multiple regions, and resources can be added to or removed from enterprise
 projects. Enterprise projects can be used to grant permissions to use specific cloud resources.





Quiz

- 1. (True or False) Can HUAWEI CLOUD services be billed by minute?
 - A. T
 - B. F
- 2. (Multiple-answer) Which of the following statements about regions and AZs are incorrect?
 - A. An AZ is larger than a region.
 - B. An AZ belongs to a region.
 - C. A region can contain multiple AZs.
 - D. A region can contain only one AZ.



Summary

 We provided a brief introduction to HUAWEI CLOUD, including the advantages of nodes, cloud products, solutions, ecosystems, and technical support systems, the positioning of HUAWEI CLOUD, and how to better use HUAWEI CLOUD.



Recommendations

- Huawei Learning
 - https://e.huawei.com/en/talent/#/
- HUAWEI CLOUD technical support
 - https://support.huaweicloud.com/intl/en-us/help-novice.html
- HUAWEI CLOUD Academy
 - https://edu.huaweicloud.com/intl/en-us/



- Al: Artificial intelligence
- AS: Auto Scaling
- APM: Application Performance Management
- AOM: Application Operations Management
- AZ: Availability Zone
- API: Application Programming Interface
- BMS: Bare Metal Server
- BCS: Hyperledger Fabric
- CCE: Cloud Container Engine
- CDN: Content Delivery Network



- CBH: Cloud Bastion Host
- CPTS: Cloud Performance Test Service
- CAE: Computer Aided Engineering
- CES: Cloud Eye Service
- CTS: Cloud Trace Service
- CCS: Cloud Catalog Service
- CRS: Cloud Record Service
- CDM: Cloud Data Migration
- CMC: Cloud Migration Center
- DES: Data Express Service



- DNS: Domain Name Service
- DDS: Document Database Service
- DDM: Distributed Database Middleware
- DAS: Data Admin Service
- DBSS: Database Security Service
- DMS: Distributed Message Service
- DWS: Data Warehouse Service
- DevOps: Development and Operations
- ECS: Elastic Cloud Server
- EVS: Elastic Volume Service



- ELB: Elastic Load Balance
- El: Enterprise Intelligence
- ERP: Enterprise Resource Planning
- GES: Graph Engine Service
- HMS: Huawei Mobile Service
- HSS: Host Security Service
- ICT: Information and Communications Technology
- IMS: Image Management Service
- IAM: Identity and Access Management
- IOPS: Input/Output Operations Per Second



- I/O: Input/Output
- LTS: Log Tank Service
- MVP: Most Valuable Player
- MRS: MapReduce Service
- NIC: Network Interface Controller
- OBS: Object Storage Service
- OCR: Optical Character Recognition
- OMS: Object Storage Migration Service
- OVS: Open Virtual Switch
- QoS: Quality of Service



- RoCE: RDMA over Converged Ethernet (a network protocol that allows remote direct memory access (RDMA) over the Ethernet.)
- RDS: Relational Database Service
- SDK: Software Development Kit
- SFS: Scalable File Service
- SA: Situation Awareness
- SMN: Simple Message Notification
- SWR: SoftWare Repository for Container
- SMS: Server Migration Service
- SSD: Solid State Disk



- SAP: System Applications and Products, an enterprise management software company in Germany
- TMS: Tag Management Service
- TTS: Text-To-Speech
- VBS: Volume Backup Service
- VPC: Virtual Private Cloud
- VPN: Virtual Private Network
- VxLAN: Virtual Extensible Local Area Network
- WAF: Web Application Firewall



Thank you.

把数字世界带入每个人、每个家庭、每个组织,构建万物互联的智能世界.

Bring digital to every person, home, and organization for a fully connected, intelligent world.

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