



Bare Metal Cloud

Instantly improve digital experience worldwide



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Zenlayer at a Glance

Enabling organizations to improve their global user experience
by providing edge cloud services

#1

in Global coverage

- 180+ edge data centers
- 6 continents / 35+ countries
- 13 Tbps backbone / 230+ private lines

< 25_{ms}

to 85% of world's internet users

- 1000+ global peers
- Emerging market expertise

< 15_{min}

Support response time

- 24/7 global tech support
- 95%+ TTR < 4 hours
(Trouble ticket resolve time)

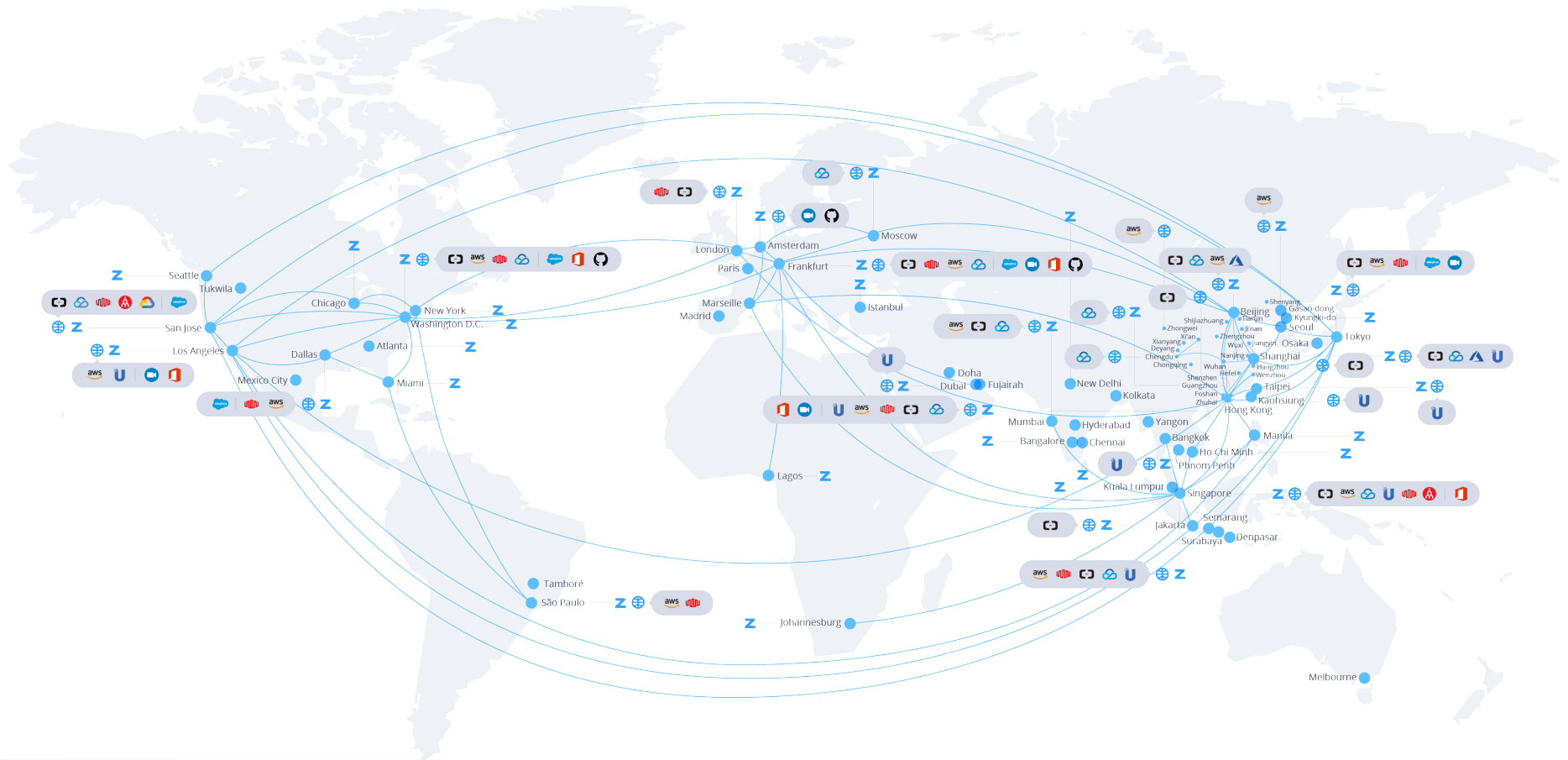
Zenlayer is #1 in Global Coverage

180+
edge nodes

35+
countries

230+
private lines

1000+
peers



Infrastructure

- Data Center
- Cloud Wan

Services

- ⊕ Cloud Networking
- ⚡ Bare Metal Cloud

Public Clouds

- AWS
- Microsoft Azure
- Google Cloud

- Alibaba Cloud
- Tencent Cloud
- UCloud

- Equinix Cloud Exchange
- Coresite Open Cloud Exchange
- Megaport

SaaS

- Salesforce
- Office365
- Github
- Zoom

Trusted by 300+ Global Customers

Gaming



Cloud



Telecom



Streaming / Online Education / Real Time Communications



E-Commerce / Retail



Mobile



Other



Partners & Industry Recognition



DIGITAL REALTY



CORESITE



NETWORKWORLD
FROM IDG

2018 10 Hot SD-WAN Startups



Everest Group®

2019 Top 10 SD-WAN Trailblazers



IXcellerate

MainOne



PTC
Innovation
Awards



2019 Best Networking Innovation



2019 Trusted Cloud Certification



Integrated Products and Services



Compute

- Bare Metal Cloud
- Edge Data Center Services



Networking

- Cloud Networking
- IP Transit



Application

- Cloud WAN
- Content Delivery Network
- Global Intelligent Accelerator

WOW service that exceeds expectations

Easy 🛠️ contact

- 24/7 technical support via phone, email
- 24/7 proactive network and device monitoring

Fast 🔔 responses

- < 15-minute response time
- On-site technicians at core PoPs

Quick ⚡ resolutions

- 95%+ TTR < 4 hours (Time to resolution)
- 99.99% SLA (Built-in redundancy for both circuits & hardware)



Bare Metal Cloud

Overview

What is

Zenlayer Bare Metal Cloud?

Bare metal server

Physical server
with just one tenant

+

Cloud

Provides compute
resources on demand

=

Bare Metal Cloud

Bare metal servers
available on demand

The best of both worlds

Cloud-like flexibility without sacrificing performance

High-performance computing



Dedicated Hardware

Single tenant on a physical server with exclusive use of compute, storage, and network resources



Guaranteed Performance

Eliminates unpredictable performance caused by noisy neighbors



Customizable

Allows running custom environments and permits access to NIC (e.g., to accelerate certain packets using DPDK)



Secure

Hardware isolation from other tenants adds physical layer of protection from unauthorized access



Flexibility of Cloud



Instant provisioning

Activate a server in 10 minutes



Flexible and scalable

Add or remove servers, IP, and/or bandwidth depending on demand



Self-service portal

Full visibility and easy management of servers via an intuitive online portal



Pay as you go

Pay month to month with no long-term commitments

Why choose

Zenlayer Bare Metal Cloud?

Global
Coverage

25+ Countries

- Best global coverage for instant bare metal servers

Optimized
for hybrid
clouds

Instant Connections

- Build high-performing hybrid clouds by connecting bare metal and public clouds via our private network

Network
quality

Private backbone

- Traffic between Zenlayer Bare Metal Cloud data centers bypasses public Internet congestion

Multiple
Choices

Ready-to-go options

- Select the server that's right for you from multiple pre-configured choices

Customizable

Configure to suit

- Servers can be built and deployed to meet specifications upon request

Free 24/7
technical
support

<15 min response time

- > 95% of trouble tickets resolved in less than 4 hours

#1 in Global Coverage

40+
cities

25+
countries

Bare Metal Cloud

- On demand
- Contact for availability



Bare Metal Cloud PoPs

Instantly spin up a server in 25+ countries

Americas

- **Brazil:** São Paulo
- **U.S.:**
Atlanta
Chicago
Dallas
Los Angeles
Miami
New York City
San Jose
Seattle
Washington D.C.
- **Argentina:** Buenos Aires (Q4 2020)
- **Mexico:** Mexico City

EMEA

- **France:** Marseille, Paris
- **Germany:** Frankfurt
- **Netherlands:** Amsterdam
- **Nigeria:** Lagos
- **Russia:** Moscow
- **South Africa:** Johannesburg
- **Spain:** Madrid
- **Turkey:** Istanbul
- **UAE:** Dubai, Fujairah
- **U.K.:** London

Asia

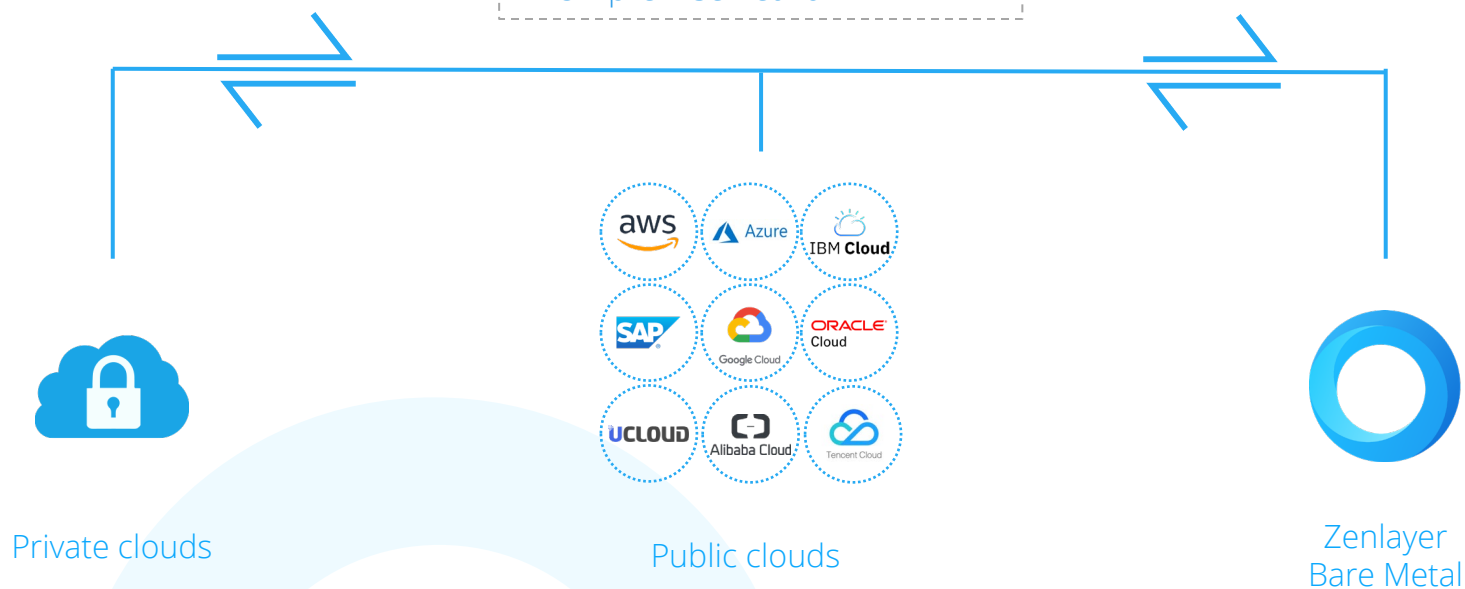
- **China (Mainland):** Beijing, Guangzhou, Shanghai
- **Hong Kong**
- **India:** Bangaluru, Chennai, Mumbai, New Delhi
- **Indonesia:** Jakarta
- **Japan:** Tokyo
- **Malaysia:** Kuala Lumpur
- **Myanmar:** Yangon
- **Philippines:** Manila
- **Singapore**
- **South Korea:** Seoul
- **Taiwan:** Taipei
- **Thailand:** Bangkok
- **Vietnam:** Ho Chi Minh City

Optimized for hybrid clouds

- Easily create connections between Zenlayer bare metal cloud and other clouds

Multiple connection options:

- Zenlayer global private network
- Cloud direct connect
- Public internet
- On-premise network





Bare Metal Cloud

Product Features

Bare Metal Cloud Components



Server

- Series S/M/L
- Up to 256 GB of RAM
- Processors with up to 40 physical cores



Bandwidth

- 100 Mbps or 10 Mbps included, depending on region
- 95% billing available through rep



IP Address

- 1 IP address per server included
- “Bring your own IP” support
- Can purchase up to 64 IPs per server



Private Network

- Private network supported via private VLAN settings
- Free bandwidth within a private network

Standard Server Configurations

Customized servers available upon request

S-Series

- Single processor (4 cores)
- 16-64 GB RAM
- Up to 10 Gbps uplink
- 1x 2 TB SATA or SATA + SSD mixed
- Dual power supply
- IPMI access
- From \$99 a month

M-Series

- Dual processor (12-40 cores)
- 64-256 GB RAM
- Up to 10 Gbps uplink
- > 4 HDD trays SAS/SATA HDD or SATA + SSD mixed
- Dual power supply
- IPMI access / dedicated IPMI port
- Hardware RAID (0, 1, 5, 10, 50)
- From \$299 a month

L-Series

- Dual processor (12+ cores)
- 128 GB or more RAM
- Up to 10 Gbps uplink
- > 14 HDD trays SAS/SATA HDD
- Dual power supply
- IPMI access / dedicated IPMI port
- Hardware RAID (0, 1, 5, 10, 50)
- From \$599 a month

Intuitive ordering process

ComputeCloud NetworkingCDN

USAGE\$ 0.00

Create Bare Metal Instance

Zone

Each zone within a city has its own power grid and network. Private Virtual Interface is only available for servers in the same zone.

AmericasAsia PacificEurope and Middle East

HK

Hongkong

Choose a zone

HK

Hong Kong - China Op...

Choose a zone

Taipei

Choose a zone

Jakarta

Choose a zone

Bangalore

Choose a zone

MUMBAI

Mumbai

Choose a zone

New Delhi

Choose a zone

Sold out

Chennai

Choose a zone

Sold out

Tokyo

Choose a zone

Seoul

Choose a zone

Kuala Lumpur
KUL Zone A

Manila

Choose a zone

Sold out

Singapore

Choose a zone

Bangkok

Choose a zone

Ho Chi Minh

Choose a zone

Server size

\$179.00/mo
\$0.25/hour

S9C

1xE3-1230v6
4 core 3.50GHz
32GB
1x2TB SATA

\$159.00/mo
\$0.23/hour

S9D

1xE3-1230v6
3.50GHz
16GB
1x2TB SATA

Sold out
\$159.00/mo
\$0.23/hour

S9J

1xE3-1230v5
3.40GHz
16GB
1x2TB SATA

— 1 +

Deploy multiple BMC with the same Configuration

\$179.00/mo
\$0.25/hour

Deploy now

Doin' marketing stuff

ComputeCloud NetworkingCDN

USAGE\$ 0.00

Lisa in Marketing

OS

Ubuntu

Ubuntu18.04-x86_64

CentOS

Choose an OS

Windows

Choose an OS

Debian

Choose an OS

Debian8.11.0-x86_64
Debian9.4.0-x86_64
Debian9.8.0-x86_64

ESXi

Choose an OS

Disk RAID

No RAID

RAID 0

RAID 1

Networking

Choose billing mode

Flat Rate Model

Unmetered Bandwidth

Flat Rate Level

Public network bandwidth
100Mbps

Keys

One-time password

SSH keys

Customize

Email a root password to you

Server Hostname & Label & Remarks

Server 1 hostname
hostname-1

Server 1 label name
label

Server 1 remarks

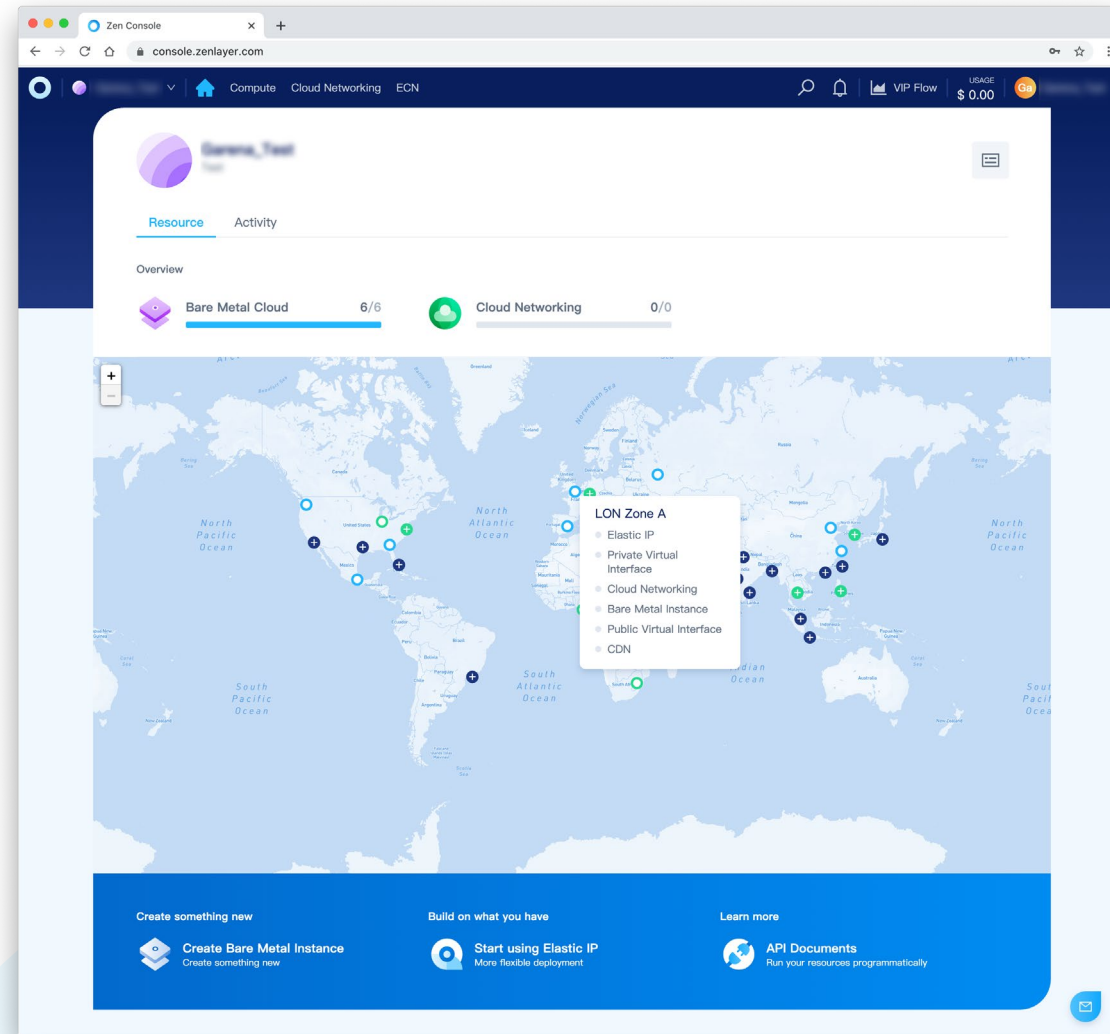
— 1 +

Deploy multiple BMC with the same Configuration

\$429.00/mo
\$0.60/hour

Deploy now

Simple management console





Bare Metal Cloud

Use Cases & Case Study

Use cases

Deliver the best real-time, interactive experiences



Gaming

- Dedicated power
- Quickly scale



Streaming

- High speed read/write
- Mass storage support



eSports

- High performance computing
- Global private network



Enterprise apps

- Predictable performance
- Compute-intensive workloads



CPU/GPU intensive apps

- Render farms for movies
- Media transcoding



High security apps

- Hardware isolation
- Global private network

Case Study: Global Game Publisher

Zenlayer helps MMORPG game provider rapidly expand and improve global user experience

Background

- One of the most popular MMORPG games in the world
- 800,000+ users globally and expected to increase exponentially, particularly in emerging markets like Southeast Asia and Brazil
- Competitive gamers demand ultra-low latency regardless of location or local network connections

Challenges

- Large number of concurrent players required sophisticated load balancing and automatic failover within high-density server farms
- Anti-cheat methods such as lockstep and client-server model required massive amounts of data transfer, computing power, and the ability to process real-time streaming logs
- Application data stored in public clouds needed to integrate seamlessly with operations support system data on bare metal servers

Solution

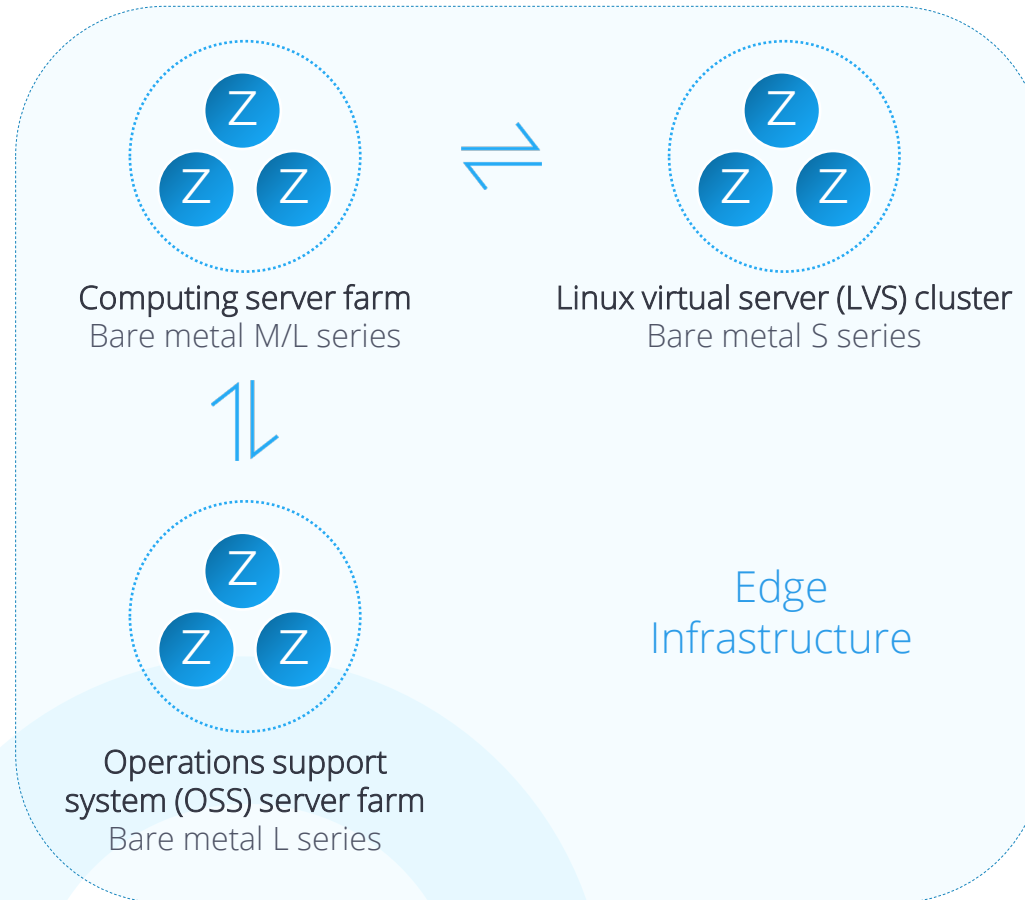
- **Load balancing & automatic failover:**
Created Linux virtual server (LVS) clusters using S-Series bare metal servers to achieve efficient load balancing and automatic failover/fault isolation
- **Dedicated private network:**
Directly connected public cloud instances and Zenlayer bare metal cloud via Zenlayer Cloud Networking
- **Real-time processing of streaming logs:**
Used L-Series bare metal servers to process and store up to 72 TB of data per server for supporting Hadoop clusters
- **Easy operations and maintenance:**
Zenlayer's bare metal servers are activated within 10 minutes with reserves always on standby, so faulty servers can be rapidly replaced to ensure minimal business interruptions

Case Study: Global Game Publisher

Zenlayer helps Global Game Publisher easily create a hybrid cloud...

...with AWS, IBM Cloud, and Zenlayer Bare Metal Cloud...

... so that it can serve its global users with minimal latency.



End users



Improve digital experiences. Instantly.

Global offices

Los Angeles (HQ)

Mumbai (HQ)

Shanghai (HQ)

Singapore (HQ)

Beijing

Hangzhou

Hong Kong

San Jose

Shenzhen

Taipei (coming soon)

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