



GAMING SERVICE SOLUTION

TRANSFORMING YOUR DEVICE TO A GAMING PC.

➤ <https://www.xrcloud.com/>



THE PAST AND FUTURE OF CLOUD GAMING



■ The Electronic Entertainment Expo E3

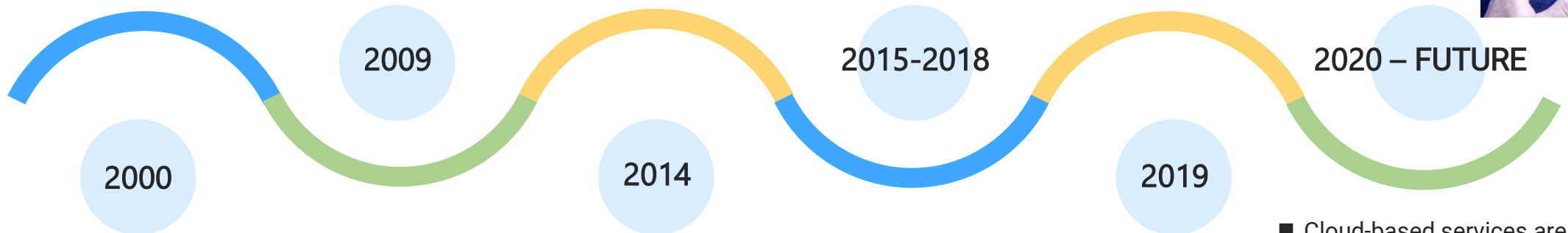
■ Finland G-cluster Proposes Cloud Gaming Prototype



■ Sony announced Playstation Now at CES

■ XRCLLOUD announced HonPC

■ Google announced Stadia



onLIVE

■ Game Developers Conference (GDC)

■ OnLive was announced at the Game Developers Conference in 2009

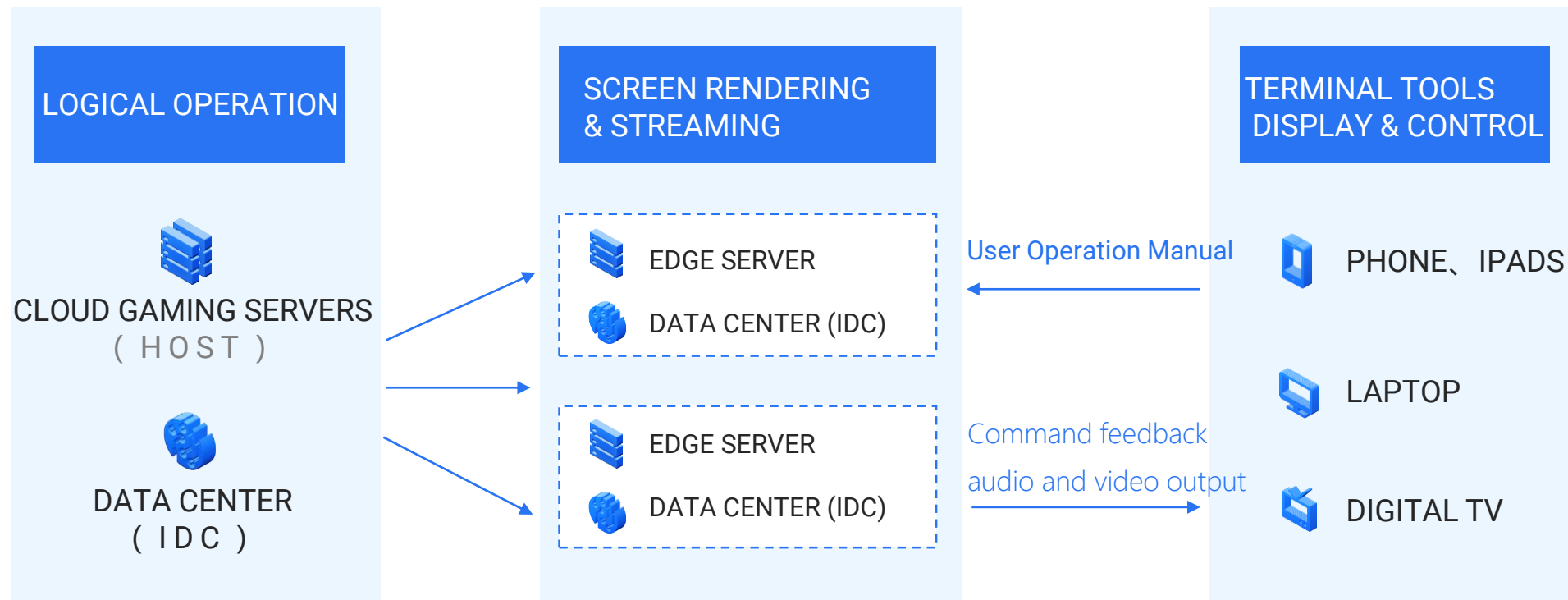
Geforce Now

■ Cloud-based services are behind the rise of the new business model

■ Cloud gaming service needs to deliver the right business model and the right user experience to drive mainstream adoption.

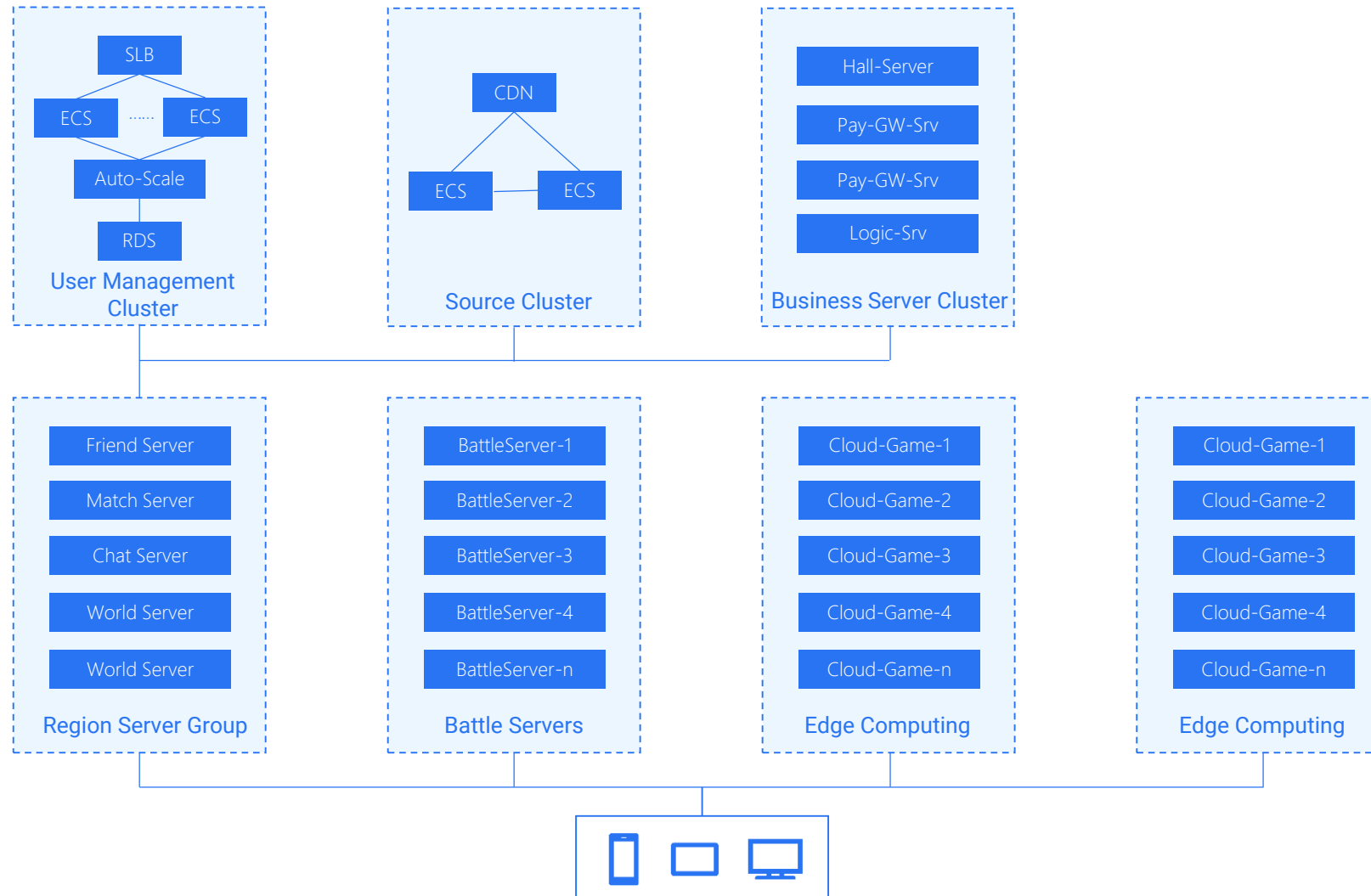
WHAT IS CLOUD GAMING?

Cloud gaming refer to gaming on-demand or gaming-as-a-service, it is a type of online gaming that runs games on remote servers and streams them directly to a user's device, or more colloquially, playing a game remotely from a cloud.



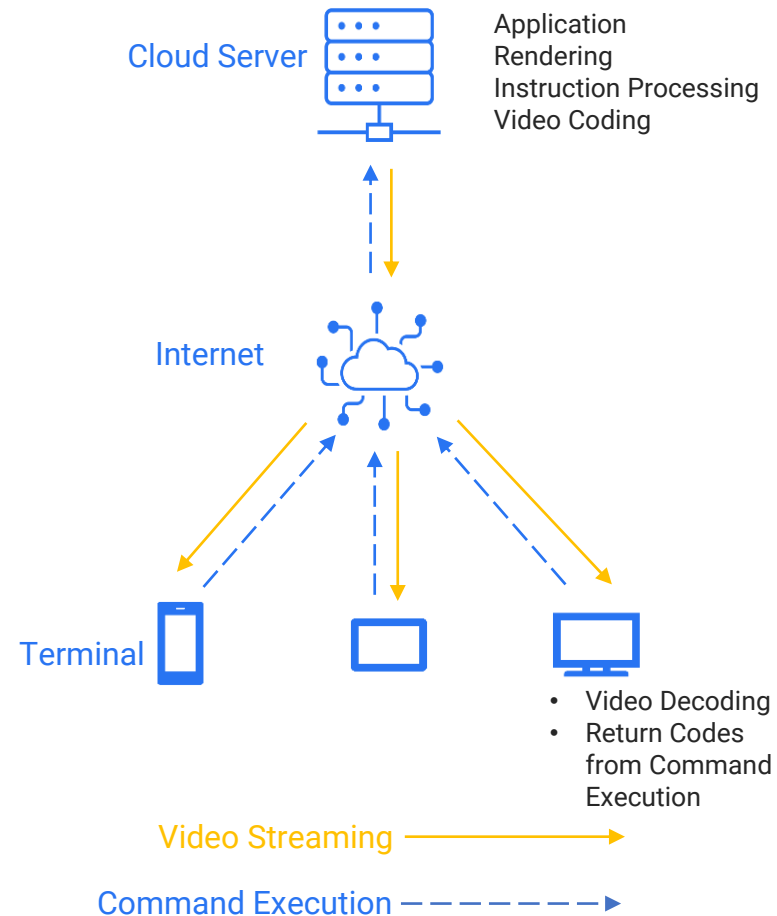
XRCLLOUD GAMING SOLUTIONS

PROVIDE END-TO-END SERVICES
AND CORE TECHNOLOGIES



- CLOUD SERVER
- CLOUD DATABASE
- OBJECT STORAGE
- CDN SERVICE
- GPU SERVER
- ELASTIC COMPUTE SERVICE
- LOAD BALANCING
- DDOS DEFENSE
- CLOUD GAMING DEVELOPMENT

XRCLOUD'S ARCHITECTURE OF CLOUD GAMING



KEY TECHNOLOGY	SOLUTION	PROS	CONS	CORE TECHNOLOGY
Audio/video Streaming Solution	Game running is rendered in the cloud, and the audio and video are encoded, compressed and streamed, and then transmitted to the user terminal. Finally, it completes the decoding.	<ul style="list-style-type: none">• Low Terminal Performance• Free Game Terminal Installation• Strong Cross-terminal Capability	<ul style="list-style-type: none">• Requires high network quality• Requires high server performance	<ul style="list-style-type: none">• Virtualization• Virtual GPU• Video/Audio Coding• Internet protocol• Edge computing
Instruction Flow Techniques	After the cloud game terminal receives the user-side return instruction, it generates OpenGL or WebGL graphics. Then, it encodes and compresses and transmits it back to the user terminal, and then completes the decoding.	<ul style="list-style-type: none">• Poor internet connection can still achieve higher picture quality.• Strong network compatibility• Conserve internet bandwidth• Low terminal pressure	<ul style="list-style-type: none">• Terminal performance cannot be too low.	

XRCLLOUD ONE-STOP CLOUD SERVICE PLATFORM

XCLOUD Compute

XRCLLOUD Network

XRCLLOUD Storage

SELF SERVICE PORTAL

OPS PORTAL

APPROVAL,
MEASUREMENT

SCHEDULING, BILLING


SECURITY

API

Stack Management
Platform

 VMware

 V-Network

 CloudStorage

XRCLLOUD IAAS SOLUTIONS

 ECS

 EBS

 VPC

 vFirewall

 vGPU

 OSS

 vRouter

 VPN

 DBS

 CDN

 SLB

 NAT

Safe and Efficient
Infrastructure

SERVER

STORAGE

NETWORK

SECURITY

XRCLOUD ONE-STOP CLOUD SERVICE PLATFORM

ECS/VGPU/GPU/HPC



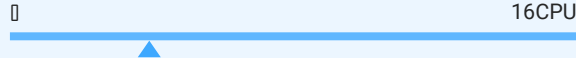
XRC Cloud Server
4vCPU / 8G MEM



XRC Premium Cloud Server
8vCPU / 32G MEM



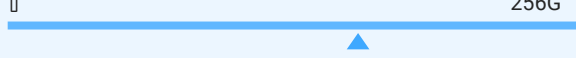
CPU



16CPU



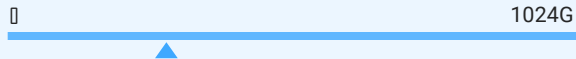
MEM



256G



Disk



1024G

CLOUD OPS



#Connections:
100



#Connections:
200



#Connections:
500

CLOUD NETWORKING



vSwitch

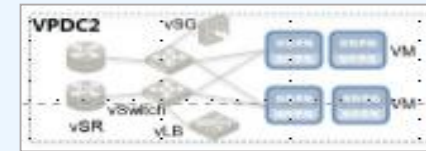


vRouter

PUBLIC IP

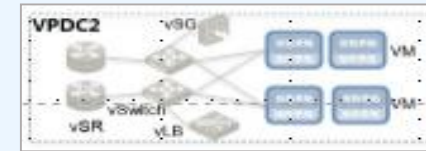
INTRANET VLAN

VIRTUAL DATA CENTER



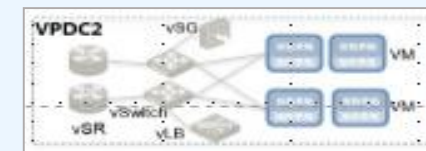
S1

Broad-Scale
Scenarios with
less than 1000
people



S2

Medium-Scale
Scenarios with
less than 500
people



S3

Small-Scale
Scenarios with
less than 100
people

CLOUD SECURITY SOLUTIONS



Throughput : 100
of New Connection : 100
Concurrency : 100
of Security Policy : 100



Throughput : 200
of New Connection : 200
Concurrency : 200
of Security Policy : 200



Throughput : 500
of New Connection : 500
Concurrency : 500
of Security Policy : 1000

CLOUD DATABASE



CLOUD APPLICATION



CLOUD STORAGE

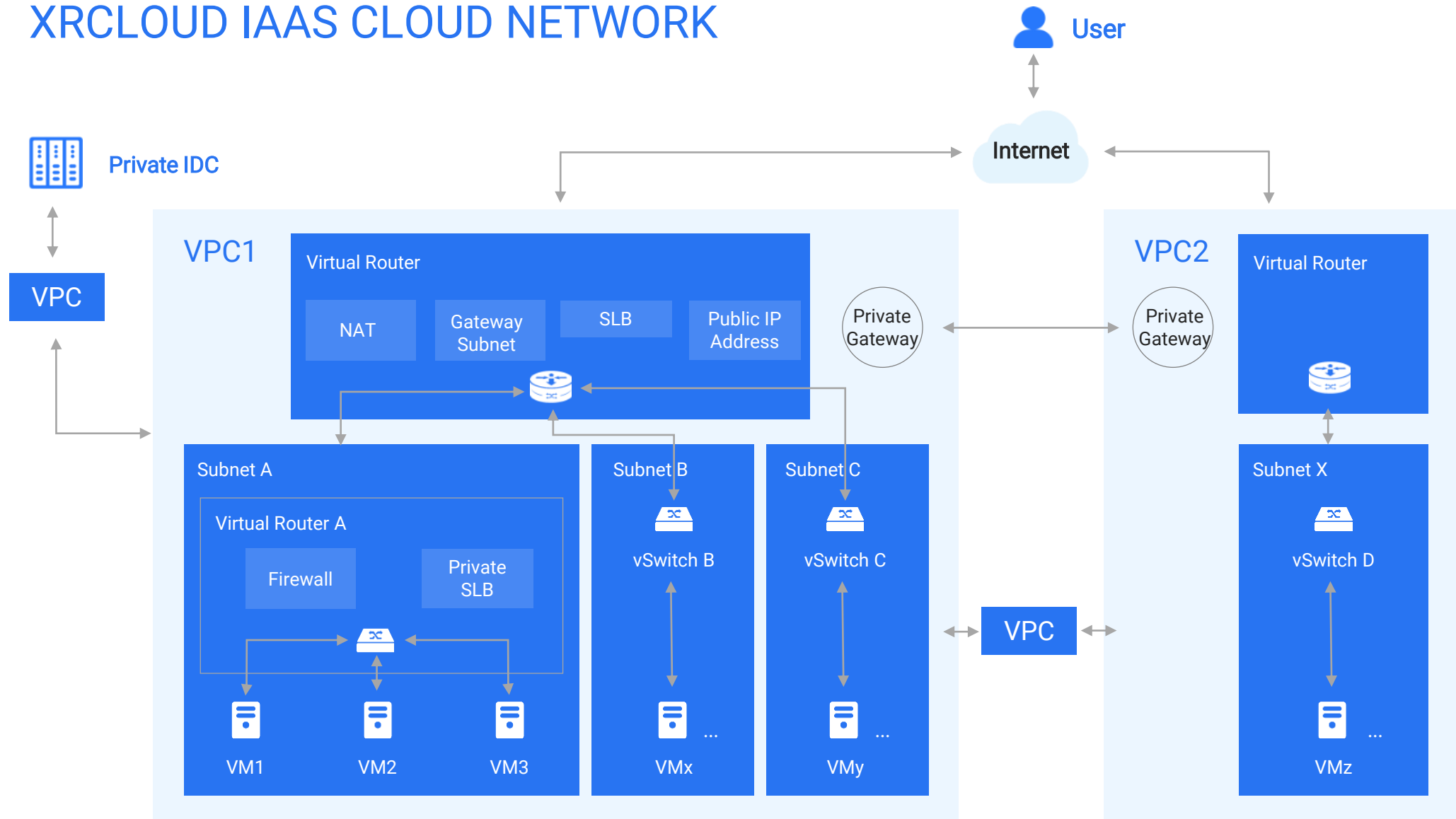


XRC Cloud
Storage

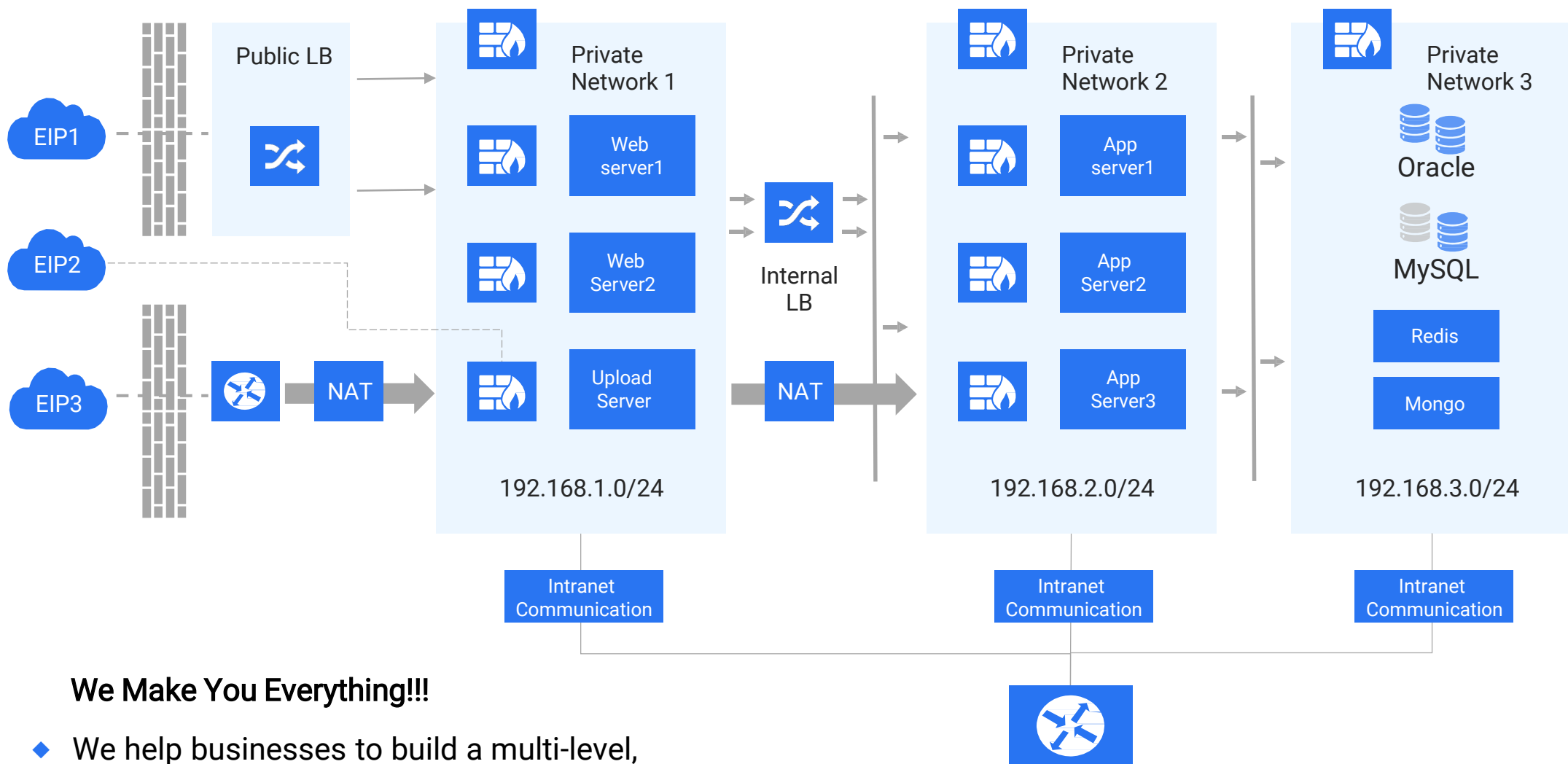


Users can apply for all required resources on the self-service portal and smoothly migrates from DC to Server.

XRCLLOUD IAAS CLOUD NETWORK



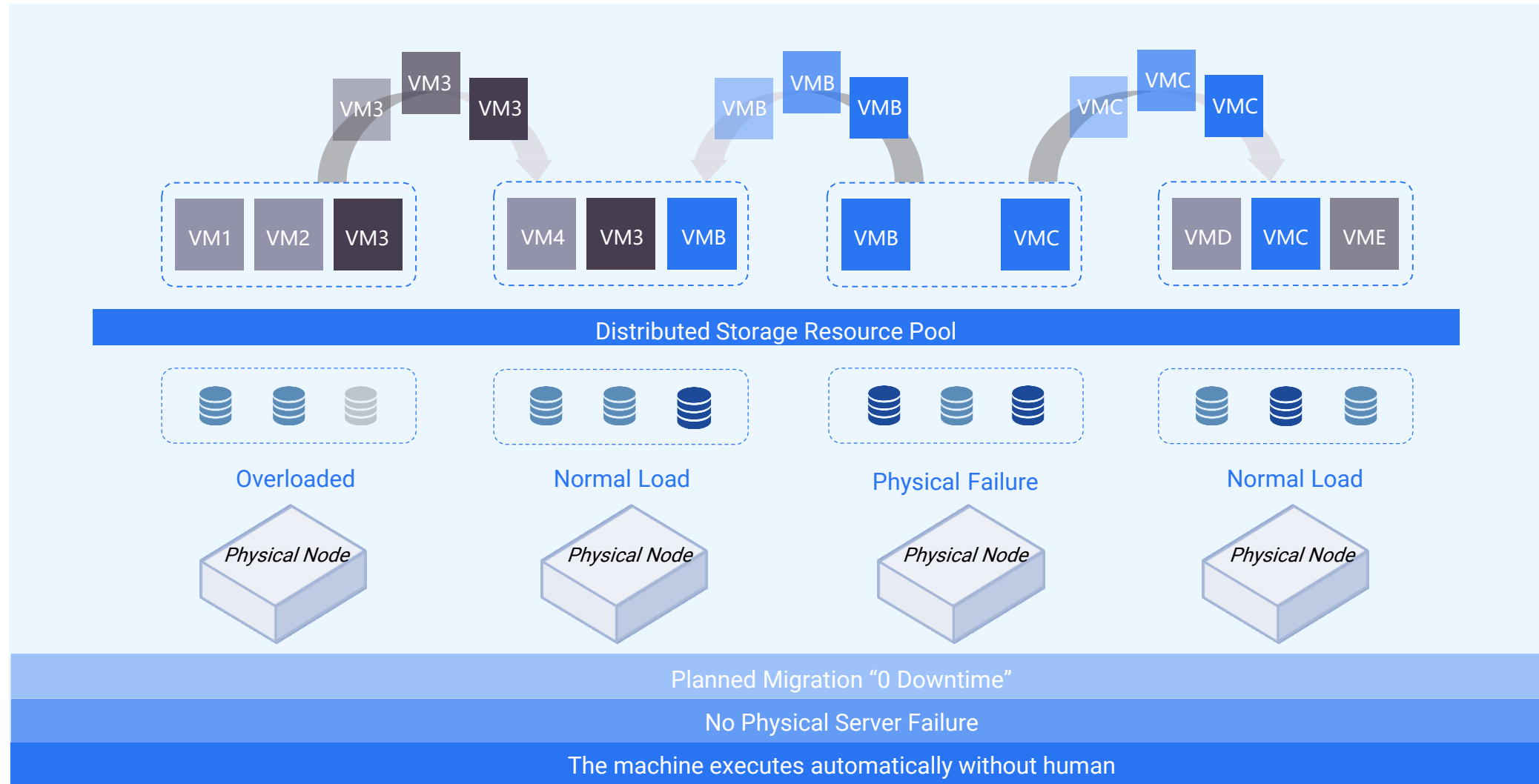
XRCLLOUD END-TO-END SERVICE



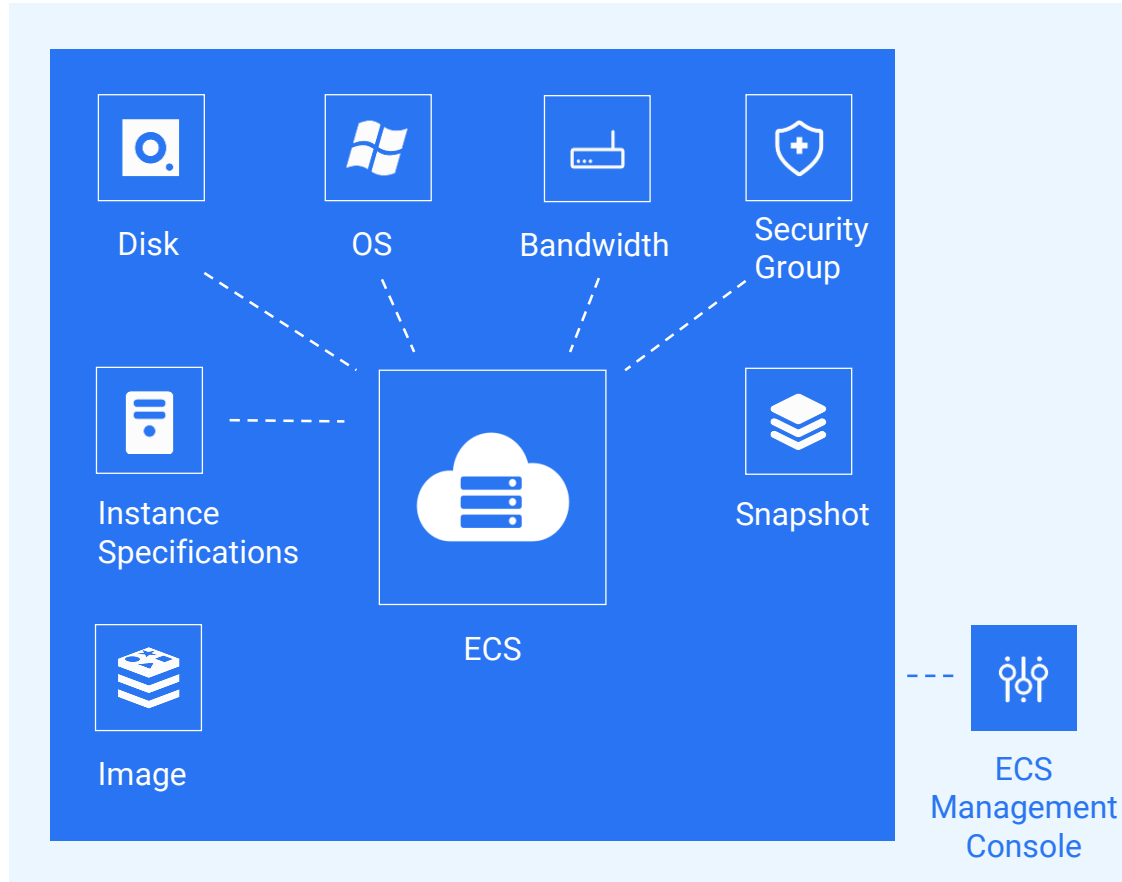
We Make You Everything!!!

- ◆ We help businesses to build a multi-level, high-performance, and high-security platform.

DYNAMIC RESOURCE SCHEDULING AND FLEXIBLE SCHEDULING



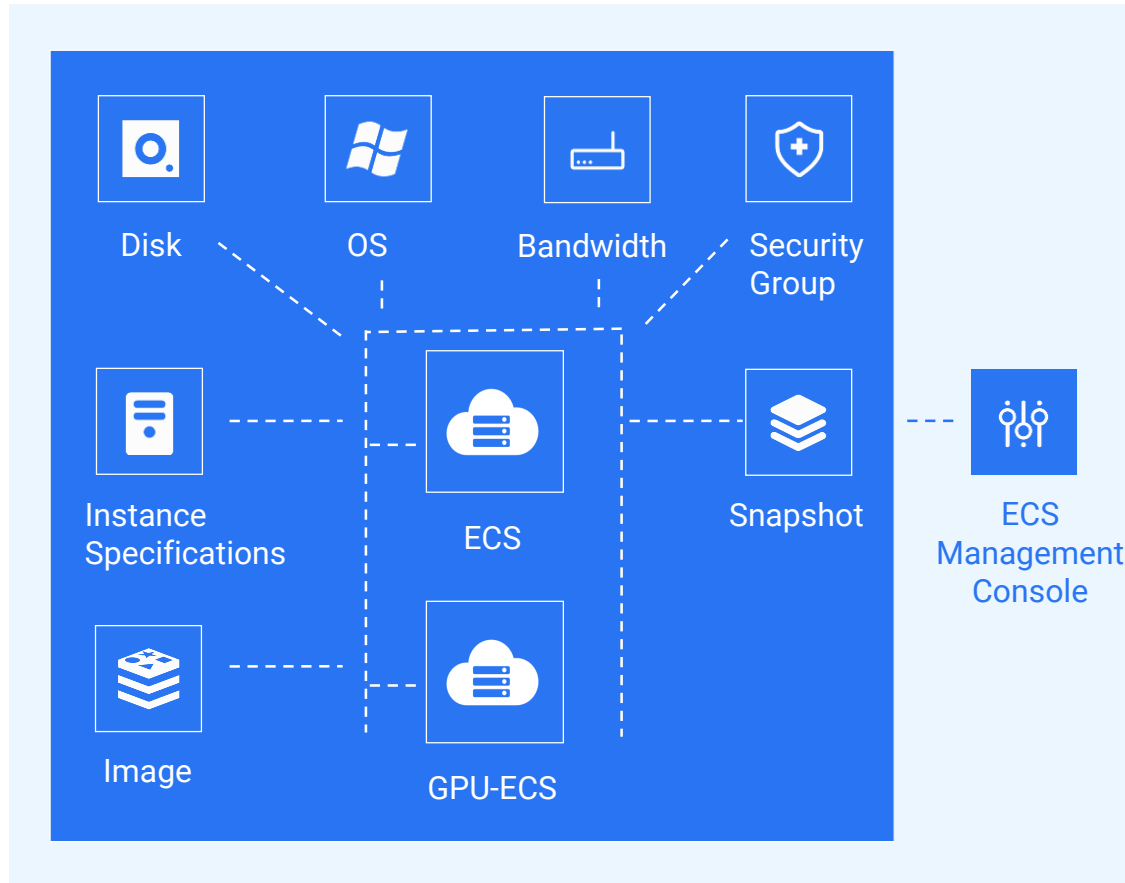
XRCLLOUD ELASTIC COMPUTE SERVICE



KEY COMPONENTS

- VMWARE VIRTUAL MACHINE, SPECIFICATIONS CAN BE ADJUSTED FLEXIBLY
- ELASTIC BLOCK STORAGE, FLEXIBLE EXTENSION, HIGH IOPS
- OS-RICH OPERATING SYSTEM, SUPPORT SWITCHING, AND REINSTALLATION
- IMG-IMAGE FILE, USERS CAN CUSTOMIZE THE IMAGE
- SNAPSHOT: SUPPORT REAL-TIME SNAPSHOT AND SNAPSHOT POLICY
- SECURITY GROUP: SPECIFIC PORT MANAGEMENT TO ENSURE ECS SECURITY.
- MONITORING: CPU/MEMORY/DISK MONITORING AND ALARM

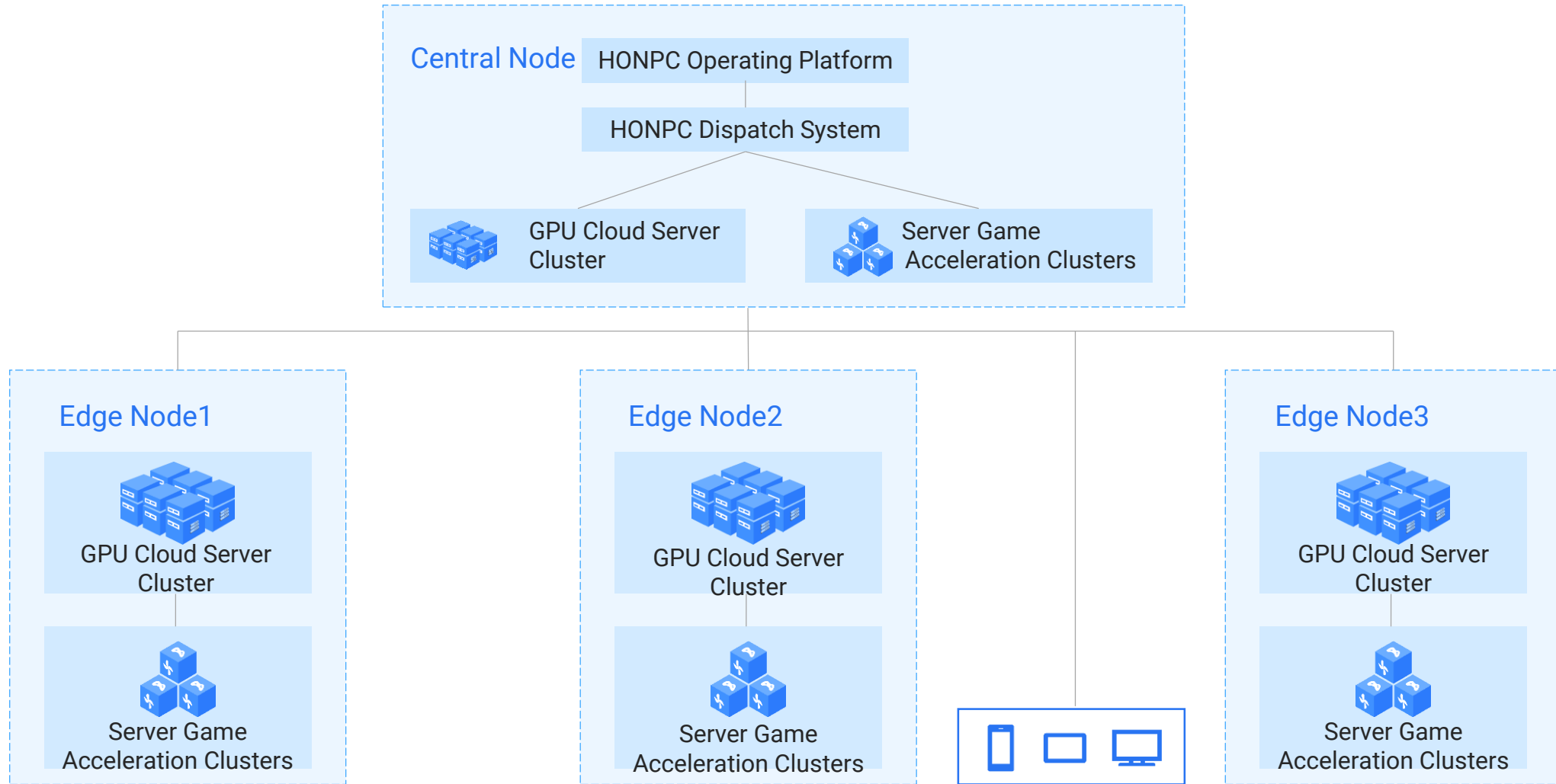
XRCLLOUD GPU CLOUD COMPUTING



FLEXIBLE, SAFE AND DESIRED PERFORMANCE

- POSSESS THE ECS FEATURES
- SUPPORT GPU PASS-THROUGH (EXCLUSIVE)
- WE PROVIDE GPU OPTIONS SUCH AS TESLA P100/P40/RTX6000
- MULTIPLE GPUS IN A SINGLE VM
- SUPPORT BOTH GRAPHICS AND CALCULATION MODE
- WE ARE LOCALLY EQUIPPED WITH NVME SSD HARD DISK, RADICALLY IMPROVED INPUT-OUTPUT PERFORMANCE.
- Intel Gold 61/230 CPU, Cores;40
- MEMORY DDR4 2666MT, MAX MEMORY: 512GB
- VARIOUS TEMPLATES, FAST DEPLOYMENT, AND USER-FRIENDLY

THE GAMECHANGER FOR YOUR 5G CLOUD GAMING-HONPC

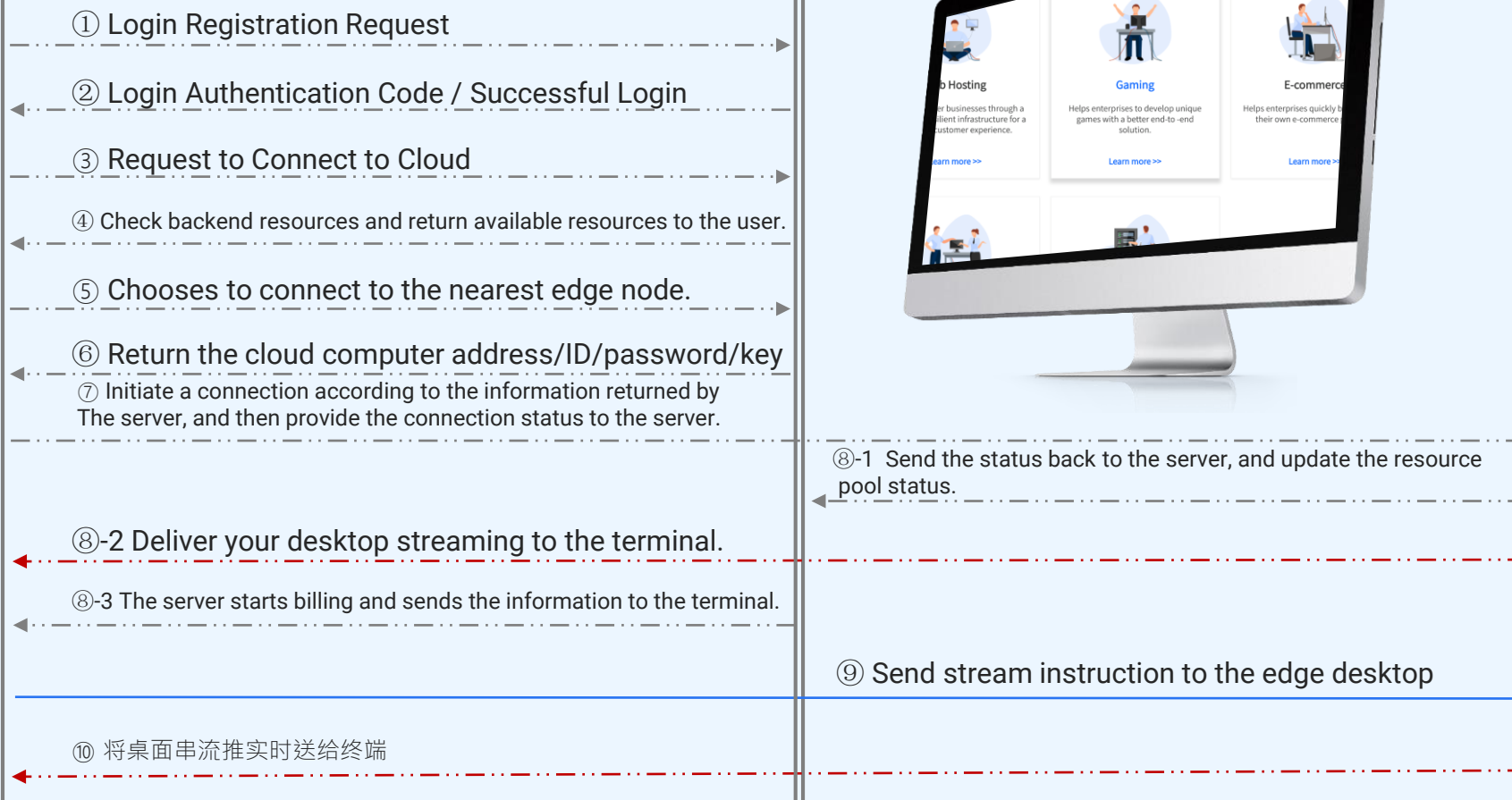
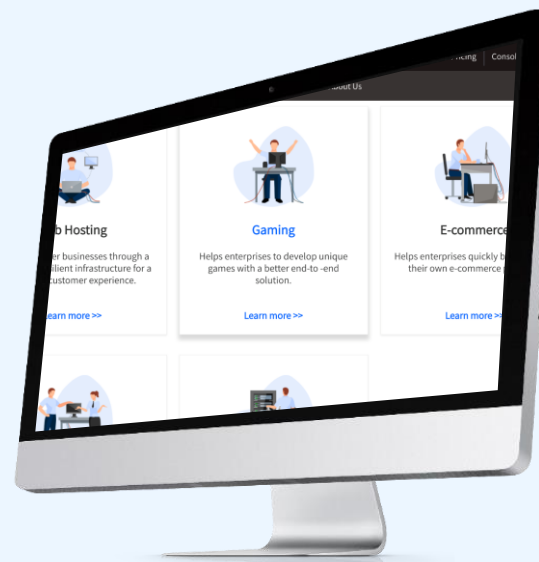


HONPC INTEGRATED BUSINESS PROCESS

Terminal

Server

Edge Node





HONPC UTILIZES XRCLLOUD CORE TECHNOLOGIES



PROTOCOL OPTIMIZATION

- COMPRESSION BASED ON VIRTUAL CHANNELS; CACHING ON SERVER AND CLIENT
- BANDWIDTH CONTROL; LOCAL RESPONSE; BATCH PROCESSING; INTEGRATION WITH WAN ACCELERATION



GRAPHICS ACCELERATION

- GRAPHIC ACCELERATION ; SPEEDSCREEN ; VIDEO OPTIMIZATION



CONTENT-BASED OPTIMIZATION

- IMPROVE BROWSER PERFORMANCE ; VIDEO ACCELERATION ; FILE COMPRESSION



SERVER-SIDE TECHNOLOGIES

- SESSION MANAGEMENT ; VIRTUAL IP ADDRESS ; APPLICATION ISOLATION ENVIRONMENT



RELIABILITY AND SECURE

- SSL ENCRYPTION ; SESSION RETENTION ; AUTO RECONNECT



USER PERCEPTION

- SINGLE SIGN-ON ; SESSION SHARING ; SEAMLESS APPLICATION ; MULTI-MONITOR SUPPORT

HONPC UTILIZES XRCLLOUD CORE TECHNOLOGIES

XRCLLOUD VDI TRANSMISSION CONTROL PROTOCOL

Network Performance
Monitoring(TCP/UDP)

UDP-based Transport Protocol
Optimization

Multimedia Content Optimization

Forward Error Correction(FEC)

Enable Remote Desktop Gateway
UDP Transport

High Security Standards and
Congestion Control



Cloud Computing



Web Hosting



Cloud Storage



Software Development



Cloud Gaming
Service



Graphic Design



AI



Super Computing



- ◆ WE PROVIDE A BALANCE BETWEEN NETWORK CAPACITY AND NETWORK BANDWIDTH TO ACHIEVE EFFICIENT TRANSMISSION AND PROVIDE THE BEST USER EXPERIENCE.



ABOUT US



Globe-spanning Parallel Internet

Data centers in the US and overseas



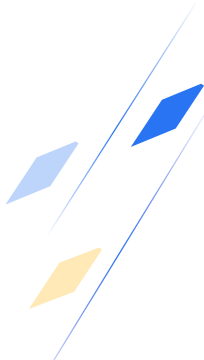
Lower Over all Cost

Only Pay for what you use!



Free Tech Support

We will support you at any time and any where!



5.0/5.0



We provide the best cloud computing service !!



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Email

Support@xrcloud.net

XRcloud

Let's help you!

It's our pleasure to have a chance to cooperate

Name *

Email *

Your inquiry about

Let's us know what you need

SEND MESSAGE



THANKS !

➤ <https://www.xrcloud.com/>