

Flexibility of the cloud with the power of bare metal.



Public cloud resource scalability and flexibility come with hidden trade-offs - shared resources, unpredictable performance, and a lack of control over the underlying infrastructure.

Bare Metal Cloud or **FlexMetal completely eliminates the trade-offs faced in public cloud environments**. On-demand bare metal compute resources available at a click of a button, with complete isolation, and full control over the resources, guaranteed reserved capacity and available on an hourly basis.

But the benefits don't stop there.

FlexMetal is fully API driven and integrated with infrastructure automation tooling. It also supports Kubernetes cluster scaling and management, allowing for multiple seamless ways to utilize superior bare metal server resources, on-demand, for any workload.

With server pool distributed over 60 worldwide locations, FlexMetal offer global availability of baremetal capacity, has a better performance to price ratio compared to public cloud, and allows for full control over resources without any performance trade-offs or long-term commitments.

# BENEFITS



## No virtualization

Leverage the abundance of computing power. i3D.net does not introduce any **virtualization overhead to your hardware**.  
Dedicated resources, single tenant, full power.



## Automated deployment

Provision a FlexMetal server **within 15 minutes via extensive API or Terraform**, anywhere in the world, on-demand.



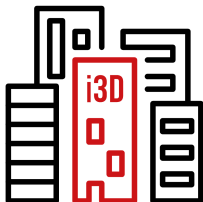
## Cost-efficient

Cut the waste, keep the power - our customers have **reduced cloud spending by up to 70%** without sacrificing performance.



## On-Demand baremetal server

No commitment - no problem! Leverage the power and performance superiority of a bare metal server **without any long-term commitments**, on a hourly basis.



## 3rd most interconnected global network

FlexMetal is fully integrated within i3D.net's **global premium, ultra low-latency 26+ Tbps network**, seamlessly scaling together with your compute cluster.

# INSTANCE TYPE INNER WORKINGS

With several thousands of servers under i3D.net control, having to pick an instance type might seem like a tedious task, but worry not, i3D.net's instance types were created for your convenience. Let's take a look at bm7.std.8 instance type to understand how they are built up:

1. **"bm" stands for Bare Metal**, where the number following "bm", represents CPU families, in this case 7 - Intel Coffee Lake and Skylake families. **A higher number following "bm", means that a more recent CPU chip sits in the server chassis.**
2. The following text represents either a **Standard server configuration ("std")** or **High-Memory ("hmm")**, where **Standard configurations have RAM to Core ratio higher than or equal to 4 with more than 32GB RAM** allocated in the chassis. **High-Memory configurations have RAM to Core ratios higher than 4.**
3. **The last number on the instance type name represent the amount of physical cores per machine.**

i3D.net's instance types represent a range of configurations optimized for variety of workloads. With 7 generations of Intel and AMD CPU families, with up to 48 physical cores and clock speeds starting at 2.50 GHz and going up to 5.1 GHz boost clock speeds, we deliver to-the-dot optimized hardware for your use case.

# INSTANCE TYPE GENERATIONS

Generation	CPU collection	CPU Family	Introduction Year	Status
bm5	Intel Xeon E5 / E3 v5	Skylake	2015	Active
bm6	Intel Xeon E5 / E3 v6	Kaby Lake	2017	Active
bm7	Intel Xeon E	Coffee Lake	2019	Active
bm7	Intel Xeon Scalable	Skylake	2017	Active
bm8	Intel Xeon Scalable 2nd Generation	Cascade Lake	2020	Active
bm8	AMD EPYC 2nd Generation	Rome	2019	Active
bm9	AMD EPYC 4th Generation	Genoa/Raphael	2024	Active

# PERFORMANCE INSTANCE TYPES

By default, our standardized global Bare Metal server configurations include:

1. Single public IPv4 address
2. 2x1G uplinks (or 25G on bm9), where one of them is active.
3. Bandwidth is billed per usage on egress traffic. Bandwidth bundles are available upon request.

Instance type	CPU Family	CPU Model	Physical Cores (Threads)*	Clock Speed (Boost), GHz	Memory, GB	Storage
bm7.std.8	Intel Coffee Lake (14nm)	1x Xeon E-2278G	8 (16)	3.4 (5.0)	32 GB DDR4	960 GB SSD
bm9.hmm.12	EPYC 4004	AMD Ryzen 9 7900	12 (24)	3.7 (5.4)	128 GB DDR5	1.92TB SSD NVMe

## AUTOMATION

With i3D.net's **Terraform integration**, you can start automating your infrastructure provisioning and management with ease. No more manual configurations or worrying about inconsistencies between environments. By leveraging the power of Terraform, your team can focus on delivering value to your customers while ensuring that your infrastructure is robust, resilient, and automated.

### Getting Started is Simple:

1. **Sign up for i3D.net:** If you haven't already, [create an account with i3D.net](#) to start using our infrastructure services.
2. **Integrate with Terraform:** Check out [Terraform Provider Registry](#) documentation and [GitHub](#), follow our easy-to-use documentation to integrate Terraform with your i3D.net account and start defining your infrastructure.
3. **General How-To guide:** Check out the API [How-To Documentation](#) for extra details.
4. **Deploy and Automate:** Use Terraform to deploy and manage your infrastructure with just a few commands, and rest easy knowing that your environments are consistent, scalable, and automated.

# ADDITIONAL **BENEFITS**

In combination with i3D.net's superior performance Bare Metal servers, you open new horizons for your online environments.

Benefit	Description
Service level agreements	i3D.net provides you with <b>3 levels of service</b> for your Bare Metal server park: <b>Basic, Advanced, and Premium</b> . Therefore, you can <b>fully rely on our team</b> of experienced technicians to take care of your hardware.
Support system	Our <b>follow-the-sun support system</b> with <b>direct access</b> to a team of highly skilled experts <b>via Slack, E-mail or phone</b> allows you to experience top-notch real-time support, driven by <b>effective issue resolution</b> .

i3D.net enables game studios and enterprises to safeguard their business-critical applications online. We provide high-performance, low-latency networking solutions through a vast, privately-owned global infrastructure.

As game sector veterans, we convert our game hosting innovations into scalable tools for Enterprise and IT. With thousands of servers spread over 6 continents, we can provide you with an unmatched low-latency network and individualized expert support.

We'd love to get you in direct contact with our team to provide you with a fitting solution.

[Contact us here!](#)

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