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Vultr Bare Metal

The flexibility of cloud computing
with the raw power of physical servers.

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High-performance single-tenant dedicated servers powered by AMD and NVIDIA GPUs, and high-performance CPUs from AMD and Intel.

Introduction

Vultr Bare Metal merges the raw power of dedicated servers with the flexibility and scalability of Vultr's global cloud infrastructure. Bare Metal offers high-performance, single-tenant dedicated servers with AMD and NVIDIA GPUs and top-tier CPUs from AMD and Intel, ensuring businesses maintain operational efficiency and technological competitiveness.

Why it's important right now

As enterprises grapple with the complexities of managing large-scale applications, escalating data security concerns, and stringent regulatory compliance standards, the need for a high-performance and customizable infrastructure has never been more pronounced. Vultr Bare Metal addresses this urgency by combining the raw power of dedicated servers with the scalability and flexibility of Vultr's global cloud infrastructure. It offers enterprises the capability to handle demanding workloads efficiently and reliably while maintaining straightforward pricing, making it an indispensable solution for businesses navigating modern data-intensive environments.

More power and control at scale

High-performance computing

Vultr Bare Metal offers dedicated physical servers tailored for exclusive use, providing users with unrivaled access to potent hardware configurations. This unique solution ensures direct access to server hardware, granting maximum performance to meet the specific needs of users.

Full control and customization

Get full control over server configurations and customize your environment to meet specific operational requirements, ensuring a secure and optimized server environment while offloading the burden of managing infrastructure and software maintenance.

Scalable infrastructure

Easily adapt your infrastructure to meet the growing demands of your business. Flexible server configurations coupled with the ease of scaling resources up or down ensure you can respond swiftly to evolving operational needs.

Meets compliance standards

Vultr Bare Metal is ideal for companies seeking a secure and dedicated infrastructure. The direct access to server hardware allows for customized security measures, and the flexibility to tailor configurations at the hardware level ensures compliance with specific mandates.

High-performance applications

Vultr Bare Metal excels in running resource-intensive applications, including AI training and inference, scientific research and simulation, and real-time analytics by offering dedicated physical resources. This guarantees optimal performance, ensuring the provision of robust computational resources essential for secure data processing. In addition, bare metal servers significantly reduce latency without the virtualization layer, which is crucial for real-time analytics, high-frequency trading, and gaming applications.

Mission-critical workloads

Vultr Bare Metal proves indispensable in ensuring maximum uptime and performance for essential workloads like mission-critical cloud-native applications, AI models, and HPC workloads. The dedicated hardware minimizes the risk of resource contention, offering unparalleled reliability for mission-critical tasks.

Machine learning and AI

Vultr Bare Metal is ideal for training machine learning models and conducting AI research that demands high computational power. In this use case, Bare Metal offers the essential processing power and GPU support required by data scientists to perform intricate computations.

Key benefits

Dedicated resources

Unlike shared cloud environments, bare metal servers provide users with dedicated physical hardware. This means there are no “noisy neighbors” with which to share resources, leading to more consistent and predictable performance.

Security and compliance

Vultr Bare Metal servers offer enhanced protection with customizable firewalls, DDoS mitigation, and integration with security tools like Fail2Ban and Cloudflare, ensuring secure data transmission through SSL/TLS encryption. These features, combined with strong access controls and regular security updates, provide a secure and compliant environment for critical infrastructure.

Scalability and high availability

Vultr Bare Metal is designed for scalability and high availability. Whether you’re managing increasing message volumes or diverse data formats, our platform dynamically scales resources based on your platform load. Experience reliability and optimal performance to meet the demands of your applications, ensuring a consistently exceptional user experience.

Reliable and cost-effective infrastructure

Choose Vultr Bare Metal for a reliable and cost-effective infrastructure solution. Our dedicated, single-tenant physical hardware provides an incomparably reliable and low-latency environment. Benefit from a significant reduction in infrastructure costs without compromising on service quality. Experience a level of cost-effectiveness that rivals and, at times, surpasses other hyperscale cloud providers.

Flexibility and support for modern architectures

Empower your applications with Vultr Bare Metal, which is tailored to support modern architectures like microservices. Vultr Bare Metal is the infrastructure support your business needs for improved service quality, customer satisfaction, and operational efficiency.

Custom infrastructure

For organizations striving to shape a tailored infrastructure that meets distinct performance, security, and compliance standards, Vultr Bare Metal emerges as the prime solution. The inherent strength of Bare Metal lies in its ability to facilitate customization at the hardware level, empowering businesses to construct an environment that perfectly aligns with their specific requirements.

Learn more about
Vultr Bare Metal

Contact us at vultr.com to get started. →

Cloud GPU

AI Training and Inference

- AMD Instinct™ MI325X Accelerator
- AMD Instinct™ MI300X Accelerator
- NVIDIA GH200 Grace Hopper™ Superchip
- NVIDIA H100 Tensor Core GPU
- NVIDIA A100 Tensor Core GPU
- NVIDIA L40S GPU
- NVIDIA A40 GPU
- NVIDIA A16 GPU

AI and Visual Computing

- 8x NVIDIA L40S 48 GB

Cloud CPU

- Intel E3-1270
- Intel E3-2286G
- Intel E3-2288G
- Intel E3-2388G
- AMD EPYC 7443P
- AMD EPYC 9254
- AMD EPYC 9354P
- 2 x AMD EPYC 9354
- 2 x AMD EPYC 7713