

BIZNET GIO SCALES CLOUD PERFORMANCE FOR AI ERA WITH AMD

BIZNET GIO CASE STUDY

Biznet Gio improved cloud scalability and AI readiness with AMD EPYC™ Server CPUs, delivering better performance, cost efficiency, and energy savings



In a fast-growing market like Indonesia, delivering the best possible cloud performance for the money is crucial, particularly as AI workloads ramp up the hunger for hardware. Number one Indonesian provider Biznet Gio Cloud found that switching to AMD EPYC™ Server CPUs provides the edge it needs to give customers the services they demand.

“Biznet Gio Cloud is a one-stop cloud partner for complete, reliable and affordable solutions for business with the highest security standard and 24/7 support,” explains Saputro Aryulianto, VP of Technology Operations, Biznet Gio Cloud. “The company presents the leading solution for cloud technology adoption in Indonesia. We are committed to providing peace of mind, offering a service level agreement of 99.99% monthly uptime. Our commitment is to become a leading cloud service provider with international standards. To achieve this goal, Biznet Gio has obtained globally recognized certification for information security, transactional security and service quality management, including ISO 9001 and SOC 2 Type II.”

“The main challenges we face are scalability and elasticity.”

Saputro Aryulianto, VP of Technology Operations, Biznet Gio Cloud

Biznet Gio Cloud aims to deliver this level of service across a range of products, from standard Virtual Machines (VMs) to its current leading bare metal offering. In 2025, the company also launched a bare metal product with GPU acceleration. “The main challenges we face are scalability and elasticity,” says Ary, citing the inconsistent workload pattern in Indonesia. He also explains that supply chain issues are compounding these challenges. “Globally right now there are RAM and SSD shortages, especially with the adoption of AI.”

BUILDING GPU-POWERED INFRASTRUCTURE

For its new GPU-powered offerings, Biznet Gio provides flexible options for clients. “We offer NEO GPU as a Service, which gives clients a virtual machine with a GPU. Alternatively, NEO Metal is a bare metal server with a GPU, allowing customers to utilize both in a single box,” says Ary.

The workload types deployed by Biznet Gio’s customers can be extremely varied, so the company offers flexible solutions that can scale from a single VM to multiple servers. Bare metal provides maximum flexibility and data sovereignty, while a managed solution enables customers to focus on their core business. AMD has proven to be the ideal partner for addressing these challenges.

INDUSTRY

Cloud service provider

CHALLENGES

Scale cloud services amid inconsistent workloads and AI-driven hardware demand, while maintaining high performance, uptime, and competitive pricing

SOLUTION

Deploy AMD EPYC™ Server CPUs to improve performance, scalability, and cost efficiency, easing supply constraints while supporting AI, GPU workloads, and energy-efficient cloud growth

RESULTS

Higher performance and density, up to 20% lower licensing costs, 8% power savings, improved scalability, faster hardware availability, and reduced carbon emissions across cloud infrastructure

AMD TECHNOLOGY AT A GLANCE

3rd, 4th, and 5th Gen AMD EPYC™ Server CPUs

AMD Instinct™ accelerators

TECHNOLOGY PARTNER





Customers run AI and cloud workloads on Biznet Gio's high-performance infrastructure powered by AMD EPYC Server CPUs.

"We have been working with AMD EPYC CPUs since the 7003 series," says Aryulianto. "We continue to buy AMD processors. For our newest product, we are using Gen 5, and we also run Gen 4. We have more than 350 bare metal servers powered by AMD EPYC CPUs." Biznet Gio chose AMD EPYC Server CPUs for several reasons. "First, because of competitive pricing. AMD EPYC CPUs also offer a strong combination of cores and clock speed. Performance is good compared to the competition. Additionally, short lead times help ease our hardware supply challenges. With AMD, my data center can easily have the servers we need."

"AMD EPYC processors can reduce our license usage by up to 20% because the core density is higher than the competition."

Saputro Aryulianto, VP of Technology Operations, Biznet Gio Cloud

Server hardware partner HPE has also played a key role in ensuring Biznet Gio has the right technology. "We work closely with HPE," says Ary. "They are proactive and, when configuring our new products, recommended the optimal options with potential cost savings."

AMD EPYC CPUs DELIVER BEST PERFORMANCE

The Biznet Gio team ensured the new AMD CPUs met their expectations. "Our IT Architecture team performs benchmarking tests and compares them to results published online," says Ary. "Performance and pricing were good. AMD EPYC processors can reduce our license usage by up to 20% because the core density is higher than the competition. Our licensing is per socket, but we can deploy more cores using AMD EPYC processors."

"EPYC processors deliver the best performance compared to competitors."

Saputro Aryulianto, VP of Technology Operations, Biznet Gio Cloud

The upgrades have gone smoothly. We didn't have any issues rolling out AMD EPYC CPUs."

The AMD EPYC Server CPUs have enabled Biznet Gio to offer a competitive price to its customers. "EPYC processors deliver the best performance compared to competitors," says Aryulianto. "We will continue to buy more AMD EPYC CPUs for our next launch product. Right now, we have three data center regions in Indonesia and will launch a fourth in Bali. We will use AMD EPYC CPUs for the long term."

Biznet Gio's GPU-powered products are a key focus as demand for AI and machine learning workloads grows. "We offer GPU-powered solutions for AI and ML," says Ary. "For example, gpt-oss-120 runs on our GPUs, and there is strong demand in Indonesia for virtual machines equipped with GPUs."

The company's current solution combines AMD EPYC Server CPUs with GPUs from another vendor, but the latter's accelerators have proven expensive and hard to source, leading Biznet Gio to explore alternatives. "We're very interested in combining AMD EPYC CPUs with Instinct GPUs," says Ary. "The open ecosystem is very important when choosing the environment. We don't want to be locked in with a single vendor. ROCm is a very good move from AMD. It's open source, and we also get more community support and articles covering the most common use cases."

TOP MARKS FOR AMD EPYC CPUs

While the move to AMD Instinct GPUs is still at the Proof-of-Concept phase, AMD EPYC Server CPUs have become Biznet Gio's go-to server platform. "AMD EPYC will be our standard operational environment," says Ary. As well as better performance for the price, AMD EPYC Server CPUs are more frugal on energy consumption. "With AMD EPYC, we reduced power usage by up to 8%. Carbon emissions reduced by 2,100kg per server. It's impressive performance."



Biznet Gio IT teams build scalable cloud infrastructure on AMD EPYC Server CPUs.

The company intends to stick with AMD for future developments. “We still use processors from another vendor in our legacy products because we have more than 15 products from the consumer base to the enterprise,” says Ary. “But for the newest products, we will never use them again. We will only use AMD EPYC CPUs. For our bare metal product, we now have more than 300 servers powered by AMD EPYC CPUs, around 90% of the total fleet. We chose AMD EPYC processors because they had the best clock speed, more than 3GHz, more than 128MB L3 cache, with a TDP around 240W, giving us higher performance and density.

“On a scale of one to ten, we give AMD EPYC CPUs ten”

Saputro Aryulianto, VP of Technology Operations,
Biznet Gio Cloud

“Biznet Gio is the number one local cloud service provider in Indonesia,” says Aryulianto. “But we also have a plan to expand outside Indonesia, maybe in APAC. And then we want to release our products like NEO DNS and NEO CDN, running on AMD EPYC CPUs.” These would be alternatives to CloudFlare, which currently dominates the Indonesian market for these services.

“On a scale of one to ten, we give AMD EPYC CPUs ten,” concludes Ary. “If you want to buy a processor, use AMD EPYC because you can see the benchmark data is very real.

Compared to the competition, the performance and price are very impressive. The data cannot lie. You can compare AMD EPYC side by side with the competition, and AMD EPYC will win. We wholeheartedly recommend the AMD EPYC to other companies.”



AMD EPYC Server CPUs help Biznet Gio deliver cost-effective, high-performance cloud services to users.



WANT TO LEARN HOW AMD EPYC PROCESSORS MIGHT WORK FOR YOU?

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ABOUT BIZNET GIO

PT Biznet Gio Nusantara (Biznet Gio Cloud) is an Indonesian cloud provider headquartered in Jakarta. Established as a joint venture between Biznet Networks and Internet Initiative Japan, it delivers integrated cloud infrastructure and managed services—including public, private, hybrid IaaS, VPS, storage, Kubernetes and consulting—with ISO- and PCI-certified security and 99.9% SLA uptime across multiple Indonesian data center regions. It serves startups to enterprises across Southeast Asia and the Asia-Pacific region, with reported revenue around \$16 million. For more information visit biznetgio.com.

ABOUT AMD

For more than 50 years AMD has driven innovation in high-performance computing, graphics, and visualization technologies. Billions of people, leading Fortune 500 businesses, and cutting-edge scientific research institutions around the world rely on AMD technology daily to improve how they live, work and play. AMD employees are focused on building leadership high-performance and adaptive products that push the boundaries of what is possible. For more information about how AMD is enabling today and inspiring tomorrow, visit the AMD (NASDAQ: AMD) [website](#), [blog](#), [LinkedIn](#), and [X](#) pages.

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