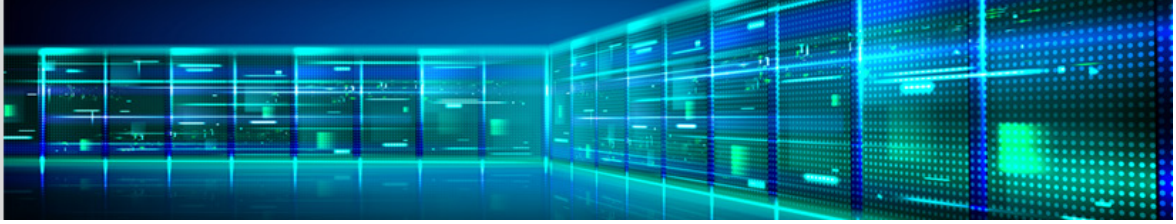

CASE STUDY

Infomaniak Boosts Power Efficiency and Performance Consistency with Ampere® Powered Servers

OVERVIEW

Infomaniak, Switzerland's largest web hosting company, sought to enhance energy efficiency and improve the performance of their cloud storage solutions. Facing challenges with fluctuating performance from x86-based servers, they turned to Ampere-powered HPE Proliant RL300 Gen 11 servers.

The result was a significant improvement in both performance consistency and power efficiency, allowing Infomaniak to continue leading the market in sustainable cloud solutions.

AMPERE PRODUCTS USED

- Ampere® Altra® Cloud Native Processors

ENGINEERING SOLUTION

Infomaniak integrated HPE Proliant RL300 Gen 11 servers powered by Ampere processors into their Ceph Cloud Storage. The single-threaded Ampere processors delivered consistent performance, even under maximum loads, which helped eliminate the fluctuations they experienced with x86 platforms.

The deployment process was fast, and the Ampere-powered servers demonstrated superior power efficiency, reducing Infomaniak's overall energy consumption. Additionally, the smooth compatibility with Debian 11 and 12, which already had Arm64 support, minimized the need for software adjustments, further speeding up implementation.

BENEFITS

By switching to Ampere-powered servers, Infomaniak achieved substantial improvements in power efficiency and performance consistency. Their new setup reduced power consumption, essential for their energy-efficient data centers, and offered a more reliable performance under varying workloads.

This move also helped reduce operational costs and carbon footprint, while ensuring a smooth and rapid deployment process. Infomaniak's customers now benefit from a more stable cloud environment with higher throughput, enhancing user experience across their cloud offerings.

COMPANY DESCRIPTION

Infomaniak is Switzerland's largest web hosting company and a leading provider of ethical cloud services in Europe. Known for its commitment to sustainability, privacy, and human values, Infomaniak has reduced and offset 200% of its CO_2 emissions since 2007. The company is a pioneer in renewable energy usage, powering its services with local hydropower and solar energy.

They also offer a wide range of services, from collaborative online tools to video on demand, designed to meet the needs of diverse industries and customers.

CHALLENGES

Infomaniak needed a solution to provide consistent server performance for their public cloud storage. Their existing x86 servers exhibited performance fluctuations, creating inefficiencies, and their air-cooled data centers required energy-efficient alternatives.

They also needed a scalable solution to handle increasing client demands without driving up operational costs.

"Ampere-powered HPE Proliant RL300 servers delivered consistent performance and energy efficiency, which helped us reduce power consumption while enhancing the reliability of our cloud storage solutions. The seamless integration and quick deployment of these platforms allowed us to see immediate results, with better throughput and reduced energy usage. The switch to Ampere has been a game-changer for our sustainable cloud offerings.

Not only did we see immediate benefits, but the servers have also continued to perform exceptionally well under our typical workloads. This transition to Ampere processors has proven to be the right choice, driving both business success and supporting our environmental goals."

— Thomas Goirand, System Administrator, Infomaniak

About Ampere

Built for sustainable cloud computing, Ampere Computing's Cloud Native Processors feature a single-threaded, multiple core design that's scalable, powerful, and efficient. Learn more

See our solutions for a variety of demanding workloads: amperecomputing.com/solutions

Visit our Developer Center: amperecomputing.com/developers

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