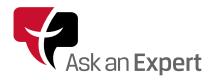# How Kingston helped lower data center power costs by 60%

Hostmein is a Greek registered ISP offering cloud and data center services. Hostmein operates its own infrastructure in Greece serving customers in EMEA and beyond. They are the first company to provide Cloud web hosting services in the Greek market. They develop cutting-edge technology on privately owned Dell Enterprise PowerEdge Servers in cloud data center within the GR-IX network, offering IP, and SSD storage services at cost-effective rates. They have developed a dense network and provide services to data centers around the world.

The Challenge

Hostmein offer a 24/7 service with maximum SLA uptime to their customers and wanted to ensure they could sustain this level of service. Their existing Dell and HP server infrastructure was based on high RPM mechanical HDD storage. To keep their best in class service offering whilst also remaining competitive, they needed a reliable performance solution for their Dell and HP servers. As such, they identified that they would need to upgrade their server's storage from HDD to full SSD for direct attached storage and for their software defined storage applications. They needed an SSD solution that was compatible with their current Dell and HP Server infrastructure. They also needed a cost-effective solution as they found OEM Server SSDs were 33% more expensive than other SSD manufacturers. Another critical aspect was data security, as SSDs cannot leave their facilities without being physically destroyed, which most of the hardware vendors would not offer as a service if a replacement were required.

The Solution

Kingston offered a full technical review process and provided a solution based on their hardware with our Ask an Expert service.

Kingston sent proof of concept DC500 SSD to allow them to test in their own infrastructure. Kingston's DC500 SSD were compatible with their Dell and HP Servers that they are currently operating, found that they performed well. Kingston actively engaged on Hostmein's case, one of the field application engineers worked closely with Hostmein's Chief Technology Officer, Alexander Stamatis to ensure a smooth transition was successful and to help comply with their security needs.

Outcome

By replacing their high RPM mechanical HDDs with Kingston's DC500 SSD, Hostmein reduced their overall server TCO and lowered their data center power cost by 60% which also helped towards their environmental initiatives.

Hostmein accomplished their main goals by improving their database and overall performance of their systems, achieving higher utilisation of the Kingston DC500 SSD powered servers, and streamlining their logistics operations as they only require Kingston spares onsite. This has helped Hostmein add value to the services they offer to their customers.

Hostmein's plans for expansion will continue with Kingston's support. They are looking forward to our new Kingston data center SSD solutions.