OPET | PROBLEM SOLVED

By preferring NetApp All-Flash AFF8040 for its rapidly increasing storage capacity, OPET met performance requirements at mission-critical operations.

OPET, deploying NetApp solutions, increased its data storage performance without compromising on cost

Operating in the fields of retail sales, commercial and industrial fuels, mineral oils, storage and international trade since 1982, OPET Petrolcülük A.Ş. is the first brand that brought 98 octane unleaded gasoline to Turkey and offered Ultra Euro Diesel fuel to Turkish consumers before Europe. OPET, 50% of which was owned by Koç Holding Energy Group at the end of 2002, has become the fastest and the most consistently growing petroleum company of the last ten years. Believing the power of data in this journey of consistent and rapid growth, OPET has preferred NetApp's high-performance AFF8040 solution as the most effective data storage technology.

Another NetApp solution delivered by

prolink.
solving IT

Substantial increase in performance through migration to **FLASH**

MINIMIZED DOWNTIME AND INTERRUPTION during migration

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■ NetApp®

> "Thanks to NetApp, without having to bear high costs, we have reached the high-performance and technical qualities that our storage infrastructure needs. We have also taken the advantage of advanced default software features, technological abilities, business attitude of the manufacturer and authorized service partner."
>
> Erdem Erdemli, OPET System, Operation and Software Manager

MINIMIZED COST, MAXIMIZED PERFORMANCE

Having increased the capacity requirement at storage side in parallel to its rapid growth, OPET decided to increase the disk I/O performances of servers and database systems on virtualization infrastructure, and to meet its faster reporting needs. Aiming to benefit from the superior performance and technological qualities enabled by high-speed disk technology, OPET deployed NetApp's All-Flash solution paying attention to cost efficiency. Database consolidation was achieved through deployment of MS SQL Cluster.

In project's scope, OPET's all data on existing data storage system was transferred to All-Flash environment, and SAN network infrastructure was turned into F/C connections with 16Gbps SFP modules on redundant infrastructure. Erdem Erdemli, OPET's System, Operation and Software Manager, stated that the migration was finalized with minimum latency, thanks to good planning and high competencies of database and system engineers alongside technical experts from Prolink. "After we took delivery of All-Flash data storage system, we worked on a roadmap with Prolink technical team. Following the updates on current database infrastructure and topology of the SAN infrastructure, we finalized the LUN and disc inventories. After finalizing the inventory and topology work on the current structure, we synchronized data on AFF8040 on hourly bases, deploying AFF8040 data storage systems and configurating NetApp applications that we used for data transfer" said Erdemli, giving information about the project phases. OPET has been using NetApp's various models of data storage systems for many years. "The primary reason why we preferred NetApp again is that NetApp products can provide 1 millisecond latency and 150.000 IOPS on random workload with 70% read 30% write for 4K block compared to its competitors as well as the most reasonable price and additional benefits. Experiences and proactive stance of Prolink technical teams played a key role in technical process resulted in success," says Erdemli.

EFFICIENCY AND SECURITY BROUGHT OUT BY NETAPP ALL-FLASH

In OPET which abandons spinning discs upon migration to NetApp's flash a significant performance increase has been achieved. In addition to 4:1 efficiency reached through data compression, deduplication and compaction enabled by the new data storage system, OPET has made a considerable progress at data security side with data cloning and snapshot features.

Boosting the performance of virtual servers running on virtualization infrastructure especially with faster read and write capabilities at database environments, OPET has met its faster reporting requirement.

Stating that they finalized flash migration with minimized cost and maximized value with NetApp's flash solution, Erdemli continued as follows: "Built-in licenses, technological competencies, business attitude of the manufacturer and the support provider, and the professional work showed us NetApp is the rightest choice understanding our needs."

SOLUTION COMPONENTS

NETAPP PRODUCTS

NetApp AFF8040: Databases, live application systems, e-mail systems

NetApp E2724: Camera data

NetApp FAS2554: File server

FAS2620: Archive data

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