

Yapı Kredi strengthens regulatory compliance and boosts data protection efficiency with Veritas Access Appliances.

VERITAS™

OVERVIEW

The 3rd largest private bank in Turkey, Yapı Kredi Improves Efficiency and Removes Compliance Risk with Veritas Solutions

Yapı Kredi has been a longtime user of both Veritas Enterprise Vault and Veritas NetBackup. Until recently, however, the bank used a third-party tape library for long-term data retention. The approach was inefficient and unwieldy for staff to manage, so Yapı Kredi transitioned to storing backups on Veritas Access Appliances for the 1 to 20 years required by Turkish banking regulations. In addition to improving confidence that the bank is meeting regulatory requirements, the solution has reduced the data protection burden on Yapı Kredi staff, cut power consumption by 20 percent, and greatly improved both the speed and the reliability of data recovery and restores.

FINDING PERFORMANCE AND RELIABILITY IN DATA PROTECTION

Like most financial institutions around the world, Yapı Kredi prioritizes data protection. The third-largest private bank in Turkey as determined by assets under management, Yapı Kredi provides consumer and business deposit accounts, credit cards, loans, leases, pension funds, and insurance to residents across the country. The bank uses Oracle software for its core banking and credit card systems. In doing so, it generates 9 petabytes (PB) of data that requires backup.

Yapı Kredi began to work with Veritas in 2008 to protect crucial data. At that time, the bank needed an email archiving system to comply with requirements of the Turkish Banking Regulation and Supervision Agency. Yapı Kredi selected Veritas Enterprise Vault for its capacity management. The bank is still using Enterprise Vault 12 years later, today storing 54,164 mailboxes in a 1 PB email archive. Yapı Kredi reports that accessing archived emails takes a maximum of 4 seconds, and that the solution simultaneously reduces disk storage costs and enables the bank to comply with its legal and regulatory obligations.

Implementation of Enterprise Vault was the first step down the path of a long and fruitful relationship between Yapı Kredi and Veritas. In 2013, the bank was using two different data protection solutions—one for physical servers and database applications and one for virtual machines (VMs). Neither product was meeting the bank's needs, and it struggled with performance, backup success rates, and support issues.



ORGANIZATION PROFILE

Website: yapikredi.com.tr

Industry: Financial services

Headquarters: Istanbul, Turkey

Employees: 16,000+

KEY CHALLENGES

The 3rd largest private bank in Turkey, Yapı Kredi was successfully using both Veritas Enterprise Vault™ and Veritas NetBackup™, but its tape-based solution for long-term retention of backup data needed an overhaul.

SOLUTION

To comply with Turkish banking regulations, Yapı Kredi deployed a pair of Veritas Access Appliances to store its data. Retentions ranged from 1 to 20 years, depending on the type of data.

BENEFITS

- 100% success of data recovery and data restores
- Substantial reduction in staff time required to manage data protection environment
- Much faster access to data held in long-term storage
- Elimination of space requirement to store thousands of tape cartridges
- 20% reduction in power consumption
- Near elimination of compliance risk

"We decided to transition to Veritas NetBackup for data protection because of its stability, functionality, and support," says Yıldırım Kılıçaslan, Backup and Storage Manager with Yapı Kredi Technology. "We have been very happy with the NetBackup Appliances. We can protect data from both physical servers and virtual machines using the same solution; managing data from both environments through a single screen has improved our operational efficiency."

Today, the bank's backups are both fast and stable. Day-to-day data recovery tasks and semi-annual tests of full-server restores have also gone well. "We carry out data recovery operations nearly every day, and those processes have been 100 percent successful," adds Yıldırım Kılıçaslan. "Both data deduplication and backup-and-recovery success rates are much better with NetBackup than with our legacy solutions. In fact, we have never experienced any problems with data recovery in the past seven years."

One additional benefit of NetBackup compared with alternative solutions is that NetBackup is hardware-agnostic. Yapı Kredi stores the primary backups generated by NetBackup on a combination of both NetBackup Appliances and third-party hardware in its data center. To ensure availability, the bank has set up a NetBackup Storage Lifecycle Policy to automatically replicate its backup data to identical hardware in its disaster recovery center.

CHALLENGES REMAINED IN LONG-TERM DATA RETENTION

Despite the speed and sophistication of its primary backup processes, Yapı Kredi continued for several years to use a tape library for its secondary backups and long-term data retention. "Depending on the type of data, we have to keep backups for 1, 3, 5, 10, or 20 years," Yıldırım Kılıçaslan reports. "Our data protection solution must fully meet the criteria determined by the Turkish Banking Regulation and Supervision Agency as well as our internal legal requirements."

By 2019, the bank found itself storing thousands of tapes in order to retain data backups, from each of its 750 physical servers and 2,500 virtual servers, for the appropriate length of time. Management of the tape environment was so time-consuming that it overwhelmed Yapı Kredi's limited IT resources. With corporate data growing at an average rate of 30 percent per year, the challenges were only going to get worse.

"We needed a different solution for a number of reasons," Yıldırım Kılıçaslan says. "For one thing, the tape libraries were inefficient. They consumed too much energy, and storing the tapes required too much space. For another, we were experiencing magnetic and physical problems with the tape cartridges, which led to structural defects and performance problems in the data. If we were unable to restore our data, we were unable to meet regulatory compliance requirements, so it was imperative that we find a more reliable solution."

As Yapı Kredi looked to replace the tape environment, decision-makers focused on finding a more efficient and easy-to-manage system, as well. They selected the Veritas Access Appliance for all those reasons, plus the solution's performance and scalability. "Veritas Access Appliances were the solution that fit our criteria best, and we knew that they would be 100 percent compatible with our backup system," says Yıldırım Kılıçaslan.

NETBACKUP WITH ACCESS APPLIANCES MINIMIZES COMPLIANCE RISK

To accommodate long-term data retention, Yapı Kredi installed one Veritas Access Appliance in its data center and one in its disaster recovery center, with automated replication between the two. All secondary backups, of both physical and virtual servers, are retained in the disk-based storage. The bank is now in the process of migrating data from tape cartridges onto the Access Appliances.

Using disk-based storage for long-term retention is much more efficient than managing tapes. It is saving a substantial amount of staff time, as well as reducing energy usage by about 20 percent.

"Our transition to the new system was fast and without any problem. Veritas Access Appliances have almost eliminated compliance risk for Yapı Kredi."

— Yıldırım Kılıçaslan,
Backup and Storage Manager,
Yapı Kredi Technology



“Veritas NetBackup and Access Appliances are useful and practical products that provide fast and reliable backup and recovery of the bank’s critical data.”

— Yıldray Kılıçaslan,
Backup and Storage Manager,
Yapı Kredi Technology

Yıldray Kılıçaslan reports that data restores are now faster, as well. “Whenever we needed to access data on a cartridge, we had to mount the cartridge in the tape library,” he says. “Even if all we needed was 1 KB of data, it would take 10 to 15 minutes for the cartridge to be mounted on the system and to find the relevant file. With Access, restores are much faster because the data is read directly from the disk.”

Most important, Yapı Kredi no longer has compliance concerns because of an unreliable long-term data retention system. “We have recovered data to the archive, in line with requests from relevant teams, and we have performed extensive tests of data restores,” Yıldray Kılıçaslan says. “Our transition to the new system was fast and without any problem. Veritas Access Appliances have almost eliminated compliance risk for Yapı Kredi.”

Now, the bank is looking forward to installing additional Access Appliances for long-term retention of email archives within Enterprise Vault. Yapı Kredi sees Veritas as a true data protection partner. “Veritas NetBackup and Access Appliances are useful and practical products that provide fast and reliable backup of the bank’s critical data,” Yıldray Kılıçaslan concludes.

FOR MORE INFORMATION

Please contact your local Veritas Sales Representative or Business Partner, or visit: [Veritas Access Appliance](#)

ABOUT VERITAS

Veritas Technologies is a global leader in data protection and availability. Over 50,000 enterprises—including 87 percent of the Fortune Global 500—rely on us to abstract IT complexity and simplify data management. The Veritas Enterprise Data Services Platform automates the protection and orchestrates the recovery of data everywhere it lives, ensures 24/7 availability of business-critical applications, and provides enterprises with the insights they need to comply with evolving data regulations. With a reputation for reliability at scale and a deployment model to fit any need, Veritas Enterprise Data Services Platform supports more than 800 different data sources, over 100 different operating systems, more than 1,400 storage targets, and more than 60 different cloud platforms. Learn more at www.veritas.com. Follow us on Twitter at [@veritastechllc](https://twitter.com/veritastechllc).

2625 Augustine Drive, Santa Clara, CA 95054
+1 (866) 837 4827
www.veritas.com

For specific country offices and contact numbers, please visit our website.
www.veritas.com/company/contact

VERITAS

Copyright © 2021 Veritas Technologies LLC. All rights reserved. Veritas, the Veritas logo, Enterprise Vault, and NetBackup are trademarks or registered trademarks of Veritas Technologies LLC or its affiliates in the United States and other countries. Other names may be trademarks of their respective owners.

V1408 09/21