

UNIVERZAL BANKA BEOGRAD

EMC RecoverPoint and Replication Manager deliver a disaster recovery solution that supports a growing bank's commitment to excellence



ESSENTIALS

Challenge

- Achieve quick and accurate data recovery within a growing data environment

Solutions

- EMC RecoverPoint
- EMC Replication Manager
- EMC CLARiiON CX4-480

Key benefits

- Speeds data recovery times—99 percent faster than legacy systems
- Accurate data recovery
- Automated for low-cost management
- Increases data management productivity and efficiency
- Ensures protection of critical data resources
- Helps to maximize customer service levels by ensuring data availability
- Supported by EMC's deep knowledge of the banking industry's needs

Founded in 1992, Univerzal Banka Beograd (UBB) has grown into a reliable partner with a widespread branch network. Present in 30 cities with more than 450 employees and modern information technology, UBB's aggressive strategy in the face of stiff local and international competition has seen the bank continue to grow its diverse range of financial services.

Committed to excellence, UBB is continuing its substantial investment in professional staff resources, as well as ongoing development of its information technology capabilities.

THE CHALLENGE: QUICK AND ACCURATE DATA RECOVERY WITHIN A GROWING DATA ENVIRONMENT

The success of the bank demanded that UBB invest in a new disaster recovery solution.

With a primary data center in Belgrade, Serbia, UBB needed a recovery solution that would protect the business and its customers from the risk of data center failure caused by several regional factors including sensitive power grids, civil unrest, and earthquakes.

Additionally, UBB was looking for solutions that included automation and wanted to reduce its total cost of ownership, as well as management and maintenance costs, for its existing (as well as future) IT and data storage solutions. UBB is a longtime Microsoft Windows user and is now beginning to deploy VMware® ESX® Server environments in production.

Business-critical applications include clustered Microsoft SQL Server, Microsoft SharePoint Server, and Microsoft Exchange Server, as well as custom-built applications. UBB plans to host all of its Windows servers under VMware in the near future.

MEETING UBB'S REQUIREMENTS THROUGH THOUGHTFUL ANALYSIS

UBB already used EMC® software and storage capabilities, and was familiar with the strong EMC brand and reputation for quality and service commitment. UBB's legacy replication solution was no longer meeting its business requirements and was not suitable for its future plans. EMC and its local business partner were asked to investigate technologies that would help the bank meet its current and future business needs.

Working as partners, EMC technical consultants analyzed UBB's disaster recovery requirements. A variety of solutions, including EMC RecoverPoint and EMC Replication Manager, were proposed to the bank.

EMC recognized that any proposal must meet the bank's exact requirements, which included:

- **Cost effectiveness:** Because UBB's information assets and total data storage requirements have increased dramatically, the bank was looking for a single solution to support its online information infrastructure. The bank insisted that any proposed replication and disaster recovery solution must offer low cost and easy management.
- **Multi-vendor environment:** UBB had applications from multiple vendors. Consequently, the bank was searching for a single automated solution to support its multiple platforms.
- **Reducing bandwidth costs:** Because IP network links are very expensive in Serbia, UBB was looking for a solution that would help it best utilize replication bandwidth.
- **Cost of ownership and return on investment:** UBB was looking for a solution that could help minimize the downtime for customer-facing systems.

EMC RECOVERPOINT AS A KEY SOLUTION

EMC demonstrated that RecoverPoint technology expedited data recovery and restart following any application failure. UBB was also intrigued with the next-generation architecture provided by EMC's CLARiiON® CX™ 4-480, the integrated CLARiiON-based write-splitter for RecoverPoint, and how they could implement EMC Virtual Provisioning™ and storage tiering within the array. CLARiiON was also significantly faster and less expensive than the bank's current remote replication solution.

UBB was also impressed with the flexibility that Replication Manager brought in automating and supporting the other applications in its total IT environment.

THE RESULTS—CONTINUOUS DATA REPLICATION

EMC RecoverPoint now continuously replicates UBB's Microsoft SQL Server 2005 database server, Exchange Server 2007, and SharePoint databases, and several other applications. If the primary site fails or goes offline, the replicated data is instantly available to production applications at the co-location facility. RecoverPoint changes the direction of replication so that the co-location site replicates changes back to the production site's storage. Once the production site is fully recovered and available, applications can be restarted at the production site with access to all changes.

By using RecoverPoint, UBB ensures that changed or corrupted data does not affect the bank's ability to easily recover the correct data at its local or remote sites. UBB uses the RecoverPoint snapshot consolidation feature, which ensures that they can easily retrieve older images. Additionally, as IP networks are expensive, UBB utilizes compression on the replicated data and prioritizes data that has to be replicated first, based on its importance. By utilizing RecoverPoint policies that map to its service-level agreements, UBB ensures that its recovery point objective is never more than a few minutes behind the production environment. This rapid recovery capability is augmented by EMC Replication Manager, which helps expedite data mining and reporting of the SQL Server environment. Replication Manager uses RecoverPoint to access a local copy of the SQL database, which it then mounts on a local server.

By implementing the complementary range of EMC solutions, UBB's recovery time has shrunk by more than 99 percent, and the bank has been able to implement totally automated protection and recovery functions. UBB has significantly increased the availability of its critical information assets while enabling its administrators to spend less time on recovery tasks.

EMC demonstrated that RecoverPoint expedited data recovery and restart following any application failure. Replication Manager brought automation flexibility and support to the other applications in UBB's total IT environment.

Data recovery times have been reduced by 99 percent.

CONTACT US

To learn more about how EMC products, services, and solutions help solve your business and IT challenges, contact your local representative or authorized reseller, or visit us at www.EMC.com.

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