

# **Business Case Study**

## **Backup and Restore**

### **Executive Summary**

Runwal Developers, a premier real estate developer in Mumbai faced significant challenges with data management, high operational costs and inefficient resource allocation related to backup and restore operations. The growing volume of data and associated management difficulties led to increased storage costs and operational inefficiencies. Traditional backup solutions were cumbersome and costly. Network Techlab (I) Pvt. Ltd proposed a cost-effective cloud solution leveraging Amazon S3 and MSP360, which optimized storage, reduced costs, enhanced data security, improved efficiency and provided scalability for future growth.

### **About the Customer**

Runwal Developers, established in 1978, is one of Mumbai's leading real estate developers, operating in residential, commercial and organized retail verticals. With a strong track record of delivering 42+ projects and serving over 35,000 families. Runwal Developers continuously prioritizes the customer in all aspects of design, planning, and construction.

### **Customer Challenge**

As Runwal Developers expanded, the volume of data grew rapidly creating challenges in data management, storage optimization and backup operations. The traditional backup solutions led to high operational costs, cumbersome procurement processes and inefficient resource allocation particularly during peak demand periods. Additionally, over-provisioning of storage resources and the need for large upfront investments in traditional backup software exacerbated the financial and operational burden.

### **Why AWS**

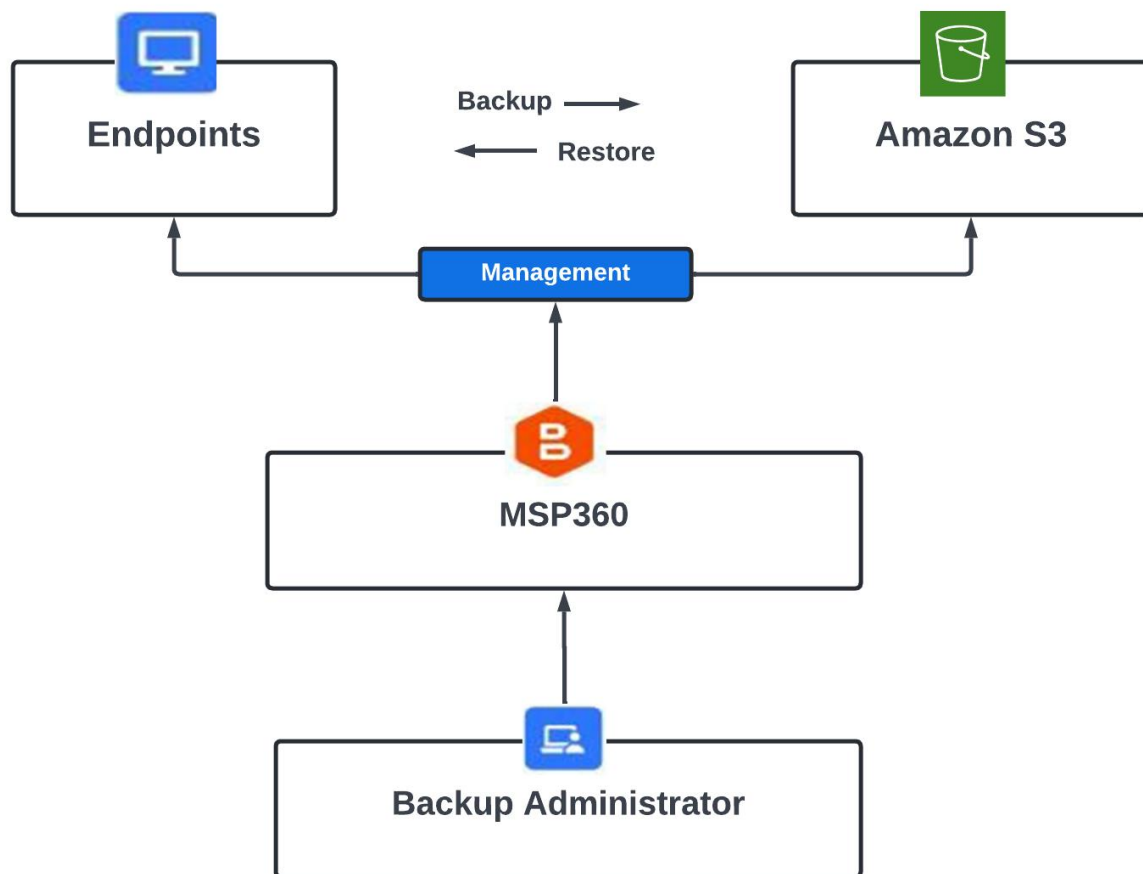
Runwal Developers choose AWS, specifically Amazon S3 for its industry-leading scalability, data availability, security and performance. Amazon S3's cost-effective storage classes and management features provided the ideal solution for reliable and scalable backup storage.

### **Why the Customer choose the Partner**

Runwal Developers selected Network Techlab (I) Pvt. Ltd for their expertise in high-end IT solutions and their reputation for efficient service delivery. Network Techlab's proven track record in IT infrastructure solutions made them the ideal partner for implementing the backup and restore solution.

## Partner Solution

Architectural Diagram:



Network Techlab proposed and implemented a cost-effective cloud solution for Runwal Developers backup and restore needs leveraging Amazon S3 and MSP360.

The process began with creating a new user in AWS Identity and Access Management (IAM) specifically for handling S3 storage operations. We generated an access key and a secret key for this IAM user which are crucial for programmatically accessing AWS resources. To enable the IAM user to fully interact with S3 we granted them full S3 access permissions. This allowed the user to perform all necessary actions within S3 such as creating, reading, and managing bucket contents.

Following this, we created a dedicated S3 bucket named 'runwalbackup' to serve as the storage destination for all backup data related to Runwal Developers. In the MSP360 Console, we established a company profile for Runwal Developers which was essential for organizing the client's data and managing licenses. We then added a storage destination in MSP360, linking it to the 'runwalbackup' S3 bucket using the previously generated access and secret keys. This integration ensured a seamless data transfer between the on-premise server and cloud storage.

For user and license management within MSP360, a new user was created specifically for Runwal Developers and the necessary MSP License was allocated to enable backup operations. We downloaded the MSP360 .exe application file for Windows in preparation for installation. Subsequently, the MSP360 agent was installed on the on-premise server. This agent serves as the interface between the server and the MSP360 backup management system, and it was configured to ensure it was fully operational and ready to execute backup tasks.

We then created a backup job tailored to Runwal Developers specific needs selecting the data files to be backed up to the 'runwalbackup' S3 bucket. During the job setup, we established important configurations, including encryption settings to protect data integrity and retention policies to comply with data governance standards. The backup job was scheduled to run at optimal times to avoid disrupting daily operations with notifications configured to alert the team about the backup job's status.

Once the backup job was fully configured, it was initiated and the system began transferring the backup data to the 'runwalbackup' S3 bucket. Upon successful completion of the backup an automatic notification was sent to confirm that the data was successfully stored in the bucket ensuring that the backup process was executed without issues. Additionally, we configured the MSP360 solution to facilitate easy restoration of data from the 'runwalbackup' S3 bucket. This setup allows for quick and secure restoration of data to the on-premise server ensuring business continuity and minimizing downtime in case of data loss or corruption.

## **Results and Benefits**

- **Enhanced Data Security:** Encryption protocols reduced the risk of data breaches by 100%.
- **Improved Backup Efficiency:** Automation reduced manual intervention by 90%, increasing IT team productivity.
- **Reliable Data Storage:** Achieved a 99.9% data availability rate.
- **Real-Time Monitoring:** Notifications reduced downtime by 95%, allowing immediate issue resolution.
- **Cost-Effective Storage:** AWS S3's pricing model reduced storage costs by 25%.
- **Compliance:** Achieved 100% compliance with data governance standards.
- **Scalability:** AWS S3's scalability supported long-term growth and data management challenges.

## **Customer Feedback: Runwal Developers**

*"We are extremely satisfied with the backup solution implemented for our on-premise servers. The integration of MSP360 with AWS S3 has proven to be a game-changer for us. The entire process, from user creation to backup execution, was seamless and efficient. We especially appreciate the enhanced data security with encryption, which gives us peace of mind knowing our critical business data is safe and compliant with industry standards. The real-time notifications and automated backup schedules have significantly reduced manual intervention, allowing our IT team to focus on other important tasks. Additionally, the cost savings from moving to cloud storage have been substantial, and the scalability of AWS S3 ensures that we are well-prepared for future growth. Overall, this solution has exceeded our expectations, and we highly recommend it to any organization looking to enhance their data backup strategy."*

**– IT Manager, Runwal Developers**

## **Next Steps**

Network Techlab and Runwal Developers plan to continue their partnership, exploring further optimization of data management strategies and potential expansion of cloud services to support future business growth.

## **About the Partner**

Network Techlab (I) Pvt. Ltd, established in 1996, is a leader in network design, security, and maintenance, providing tailored IT solutions with a focus on efficient service delivery. As an advanced consulting partner in the AWS Partner Network, Network Techlab specializes in deploying AWS solutions to meet the diverse needs of its clients.