

# Wudza Technologies

## Backup and Restore Case Study



### Business Challenge

In search of a cloud backup to its on-prem data, Wudza was looking for a simple yet scalable solution with feasible costs, that would satisfy the company's various storage needs. The workstations as well as server data backup was managed on an ad-hoc basis and there was no pre-set backup schedules followed or defined due to limited funds and IT resources at hand.

This was affecting their ability to perform and extend backups, this was a problem as mission critical hardware were required to have backups for long periods of time for compliance purposes.

Due to these challenges, Wudza was in search of a cloud backup solution for its on-prem data and was looking for a simple yet scalable solution with feasible costs, that would satisfy the company's various storage needs. The solution must meet the following business objectives and requirements:

- They required a highly reliable service for backing up as well as recovery, in case of data loss.
- They wanted to get rid of the manual process of frequently monitoring storage mediums for space
- The backup service should protect the security and privacy of company information to meet the compliance requirements.
- They intended to lower the company's capital expenditure (CAPEX) to reduce the infrastructure's total Cost of ownership (TCO)

### Why Velocis and AWS?

Wudza partnered with Velocis to achieve and fulfil their business objectives. Velocis offers seamless solutions of data backup on Cloud, be it a data-at-rest in On-Premises/Data centre or on Public Cloud, we help our customers to back up their data on AWS Storage services. Having decades of experiences, we have seen data availability and durability as the main concern for our customers. Understanding the struggle of data loss, we extend our support to fulfil our client's backup needs in the cloud.

And with Amazon Web Services (AWS), you take advantage of a scalable, reliable, and secure global computing infrastructure, the virtual backbone of Amazon.com's multi-billion dollar online business that has been honed for over a decade. You pay only for the compute power, storage, and other resources you use, with no mandatory long-term contracts or up-front commitments.



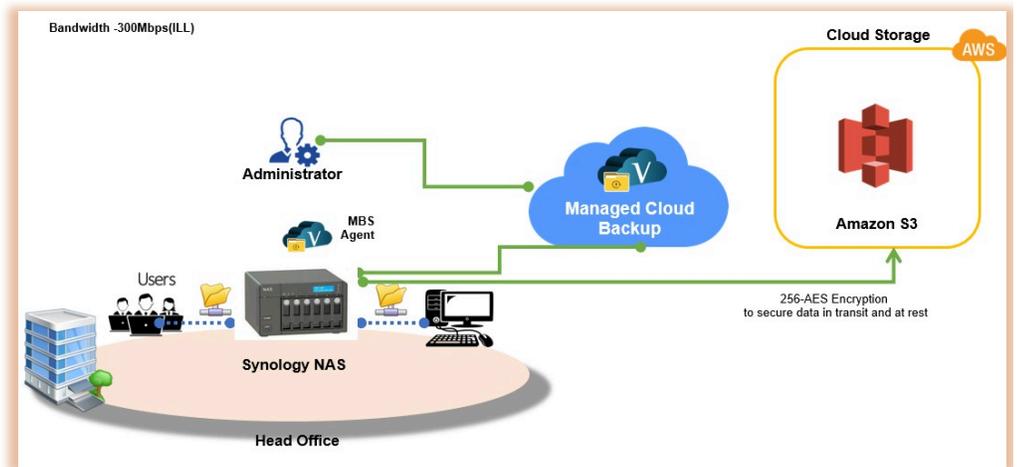
**Company:** Wudza Technologies Pvt. Ltd.  
**Industry:** Software Development | Testing Services | Consulting Services | Managed Services | Enterprise Networking  
**Country:** India | US  
**Employees:** 40+  
**Website:** <https://www.wudza.com>

### About Wudza Technologies

WUDZA is a new age digital transformation solutions and services company. Formed by industry leaders who have decades of experience working on digital enablement solutions, the company focusses on providing innovative solutions and services on customer experience and digital transformation, helping its customers to reduce time to market.

They have worked from design to deployment of products and solutions for their clients. They specialize in verticals such as Communication and Networking, IOT, Travel & Hospitality, Transportation & Logistics and Education.

## Data Backup Flow Diagram



### Proposed Solution

Amazon Simple Storage Service (Amazon S3) | CloudBerry Backup Solution | AWS Identity and Access Management (IAM) | AWS CloudTrail | AWS Key Management Service (AWS KMS)

Velocis architected a backup solution according to industry best practices and the AWS Well-Architected Framework. In order for the solution to work, there were several AWS components required, an Amazon S3 bucket, AWS Identity and Access Management (IAM) user and policies and AWS CloudTrail to monitor the access and API calls. Considering security best practices, encryption was added to the Amazon S3 bucket as well as from the backup agent side too, for additional security.

### MSP CloudBerry Backup Solution

The solution that Velocis designed also utilized the 3<sup>rd</sup> party backup and restore application, **MSP CloudBerry backup solution**.

- Velocis worked with Wudza to perform a readiness validation
- Configured backup to Amazon S3 using CloudBerry
- Thoroughly demonstrated CloudBerry services' backup and restore capabilities
- Velocis also provided guidance and support around storage and backup best practices.

CloudBerry backup allows to directly offload full backup initially and then daily incremental data into an Amazon S3 bucket without the need for any additional software or cloud gateway. Once the Amazon S3 bucket is configured as a replication target in CloudBerry agent, it appears like any other target. Users can then create a schedule to determine the frequency of replication and a retention period along with regular data consistency checks. Restoring data is simple as well with few clicks and the backed up data can be browsed from the agent itself.

## The Business Benefits Achieved

The solution provided by team Velocis working together with AWS, enabled Wudza to initiate the process for a full and complete **backup of approximately 15 terabytes of on-premises data**. And the added benefits included:

- Wudza was now able to successfully deploy the Cloudberry Backup solution onto their on-premise server and facilitate the backup process to highly available, scalable and secure Amazon S3 storage.
- **Switching to CloudBerry backup tool** from existing on-prem backup tools also significantly reduced their costs. From not having to purchase additional backup storage hardware, **Wudza saved 70% of their cost**, based on previous purchase, support and installation costs.
- Wudza would also be **reducing administration overhead and improving operational efficiency**, as well as take advantage of cloud economics for their low-cost backup in the AWS cloud Solution.

## About Velocis

One of the leading system integrators in India, helping organizations leverage IT for their competitive advantage and to derive business value. Velocis participates in customer's Digital journey and supports them with its future ready technology competencies in the areas of Cloud, Enterprise Networks, Collaboration, Workplace Automation and Knowledge Management. These competencies are delivered as business solutions by our team of over 1100+ proficient and certified IT professionals.



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