

# Castilleja School migrates to the cloud and triples its cost savings

Automates backup and recovery on AWS with Rubrik

Located in the heart of Silicon Valley in Palo Alto, California, Castilleja School uses technology to support college preparatory education for its all-girls student body. From a web-based learning management system to classroom computers used by students, the school generates a growing amount of instructional and school work in digital formats. The school needed to protect its academic and instructional work in addition to its administrative records and financial files.

To safeguard its data, Castilleja used offsite tape backup, but the system required time-consuming manual work. The process required constant monitoring to ensure that all data was backed up daily, taking resources and time away from critical projects. Additionally, file-level data recovery was a difficult and lengthy process.

## Management simplicity and cloud mobility with Rubrik and AWS

Terry Young, Senior Network and Systems Administrator at Castilleja, looked to replace the school's existing backup and recovery solution. "I needed to constantly monitor the disk to tape sequencing daily, and recovering data was difficult," Young says. "When a school administrator or faculty member needs to recover a file, there is an accepted timeframe for data recovery. With the previous system, I couldn't guarantee a recovery time. The entire process as a whole felt very convoluted. So, I wanted to replace the existing system with cloud but in an automated fashion."

Young wanted a cloud-based data management solution that was easy to use and could work with any cloud services provider. "I was looking for something that would make backup and recovery effortless. Rubrik Cloud Data Management and AWS met my criteria," explains Young.

Rubrik helped Castilleja to eliminate tape, simplify backup and recovery, and leverage the efficiencies of AWS storage. The school now uses Rubrik Cloud Data Management to manage its entire on-premises environment – comprised of file servers, databases, and application servers – and backs up all data to Amazon Simple Storage Service (Amazon S3).

## Rubrik on AWS simplifies data management

With Rubrik and Amazon Web Services (AWS), Castilleja:

- Automated its backup and recovery.
- Lowered its recovery time objective (RTO) from hours to minutes.
- Significantly reduced management time with policy-based automation.
- Achieved up to four times in cost savings by eliminating tape.
- Reduced its data center footprint by 82 percent (11U vs 2U).

## Challenge

Castilleja struggled with the management complexity and lengthy recovery times with tape backup. As a result, the school was unable to easily find and recover its data and meet RTOs.

## Solution

The school replaced its existing legacy backup system with Rubrik Cloud Data Management to automate backup, recovery, and archival to AWS.

## Results

Rubrik delivered an all-in-one data management solution to automate data protection for on-premises and on AWS while enabling fast data access and recovery.

## Achieving fast recovery and cost savings

Castilleja automated its offsite backup on AWS storage using Rubrik Cloud Data Management. Together, AWS and Rubrik provided a seamless and easy backup and recovery solution for the school. The combined solution provides consistent and scalable cloud backup, eliminating the need for administrative attention. Predictive search capability also allows the school to access and recover data quickly. "I can easily search and recover a file from any point in time in minutes," says Young. As a result, Castilleja reduced its RTO from hours to minutes.

Using Rubrik and AWS, the school reduced its physical footprint and achieved up to four times in cost savings by eliminating tape. "We reduced our data center footprint from 11U (8U for storage, 2U for tape, 1U for backup software) to 2U with a converged data management solution, resulting in substantial power, cooling, and space savings," says Young.

"Rubrik and AWS also provides a cost-effective data retention solution to meet the school's new data retention policies," adds Young. Using a single user interface, Castilleja can set backup and archival policies for all its data, specifying retention with just a few clicks.

## Gaining optimal durability and versatility.

The school relies on Amazon S3 to elevate data protection from possible geo-local disasters, such as earthquakes. Amazon S3 offers improved data availability by automatically distributing data across several physical facilities that are geographically dispersed within an AWS Region. With Amazon S3, it also gains eleven nines of durability that safeguards its data. Castilleja can now better protect students' academic work as well as general school and financial records.

Rubrik also enables Castilleja to test applications prior to production. This allows the school to identify and resolve issues before it deploys an upgrade or a new application. "The ability to instantly mount backups on Rubrik allows us to stage upgrades before we roll out to production. The sandbox capabilities are intuitive and easy-to-use," says Young.

In the future, Castilleja is looking forward to expanding its Rubrik and AWS footprint.

## About Rubrik Cloud Data Management

Rubrik Cloud Data Management simplifies enterprise backup and recovery by converging backup software and storage into a single software application that can be quickly deployed as software on AWS and as plug-and-play appliances on-premises. With an easy-to-use interface, enterprises can:

- Quickly find and recover applications and data.
- Manage the lifecycle of data from creation to expiration.
- Automate service level agreement (SLA) compliance to any storage class on AWS in one policy engine.
- Accelerate application testing and development.

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Terry Young  
Senior Network and Systems  
Administrator, Castilleja School



Rubrik delivers instant application availability with data protection, search, analytics, archival, and copy data management. Hybrid cloud enterprises benefit from Rubrik's market-leading Cloud Data Management platform with simplicity, instant data access, app-mobility, policy-driven automation, ransomware protection, and analytics at scale.

For more information, [click here](#) and follow on [Twitter](#).