

Ohlone Community College Saves 66% and Improves Security and Flexibility with Storage Solutions from CDW and AWS

Customer Overview

Ohlone is an academic institution established in 1965 now with 15,000+ students across three campuses.

The Challenge

Ohlone found themselves paying for storage that they weren't using and, simultaneously becoming increasingly concerned about data security of all that stored information.

The Solution

Ohlone partnered with CDW to build and design a cloud storage solution for their 90TB of data using Amazon Simple Storage Service (S3) and Amazon S3 Standard-Infrequent Access (S3 Standard-IA) in conjunction with their Rubrik solution.

The Benefits

Partnering with CDW and AWS has enabled Ohlone to not only improve their overall storage strategy, it has improved their security, provided them with the means to adhere to all state governance regulations and most importantly is saving them over 66% over their on-premise, legacy storage methodology

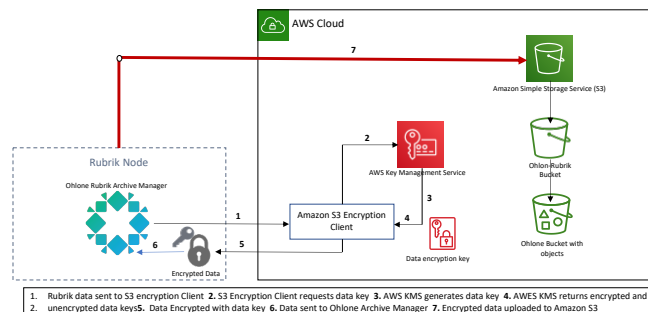
The Challenge

Ohlone Community College, a forward-thinking institute of higher learning based in California, needed a comprehensive solution for backing up and retaining their data. When they first approached CDW, they were using Rubrik and backing their data up to physical tapes, keeping those tapes on hand for the required retention period and then sending them to another location for long-term storage. Ohlone realized that they were spending more than necessary, potentially exposing themselves to unacceptable security risks and leaving themselves vulnerable to data loss due to physical tape malfunction

The Solution

CDW met with Ohlone and, through a discovery process, advised the use of the AWS cloud, specifically Amazon Simple Storage Service (S3) and Amazon S3 Standard-Infrequent Access (S3 Standard-IA) as the remote location archival solution for their 90TB of data.

A comprehensive solution for backing up and retaining data using CDW best practices and AWS Well Architected Framework was designed and implemented. In addition to the stated issues, the solution also took into consideration various regulatory, security, privacy, and life-cycle management requirements. The solution makes use of the Rubrik Archive Manager software to create backups in Ohlone's on-premise local storage to the AWS cloud. Backup data are encrypted in transit over SSL/TLS (implemented natively by Rubrik) AWS KMS and sent to Amazon S3 bucket by Rubrik Archive Manager. The S3 buckets have encryption enabled using AWS KMS and is not publicly accessible. Amazon S3 objects are then transitioned to long term Amazon S3 Standard Infrequent Access (S3 Standard IA) using life cycle policies. S3 Standard-IA provided customer's key requirement of low cost including all the functionality of S3 but provided rapid object access during disaster scenarios. At total of about 20 Terabytes of data has been or being transferred to Amazon S3.



The Benefits

Ohlone is experiencing real financial and operational benefits from the CDW/AWS storage solution. The cost savings, approximately 66%, are inclusive of elements such as: no longer being required to purchase tapes, replacement tapes, no further cost related to human error, the fee's associated with external, 3rd party, long term storage and others. Additionally, Ohlone is now fully compliant with all state governance regulations my insuring lifecycle policies are met.