



CDW Helps Suffolk County Community College Save on Storage While Improving Reporting

Customer Overview

SCCC is an academic institution of 27,000+ students across three campuses and two downtown centers. It is the largest Community College in New York.

The Challenge

SCCC needed to access log files, but then have them moved to more infrequently accessed storage in order to save money

The Solution

Using Amazon S3, Glacier, Lambda and CloudWatch, CDW architected a solution which automatically moved log files to Glacier and created reports.

The Benefits

Partnering with CDW and AWS has enabled SCCC to intelligently store infrequently used log file data and generate easily comprehended reports providing the institution with significant cost savings whilst simultaneously maintaining all regulatory compliances.

The Benefits

With this new paradigm of storage and archiving for their successful Classroom-in-the-Cloud, SCCC can now accurately track student usage, provide timely reporting, look at trends to insure scalability, meet strict compliance requirements and save a significant amount of money on storage costs, which contributes to the 75% overall reduction in spend for their popular Cyber Security curriculum.

The Challenge

Suffolk County Community College (SCCC) was experiencing growing pains as the success of the CDW Classroom-in-the-Cloud began to really explode. As each student would log in to their Cyber Security class on AWS WorkSpaces, the record of their attendance and all that they did during class was being stored for record-keeping and regulation purposes. As the quantity of classes started to skyrocket, so did the quantity of stored data, leaving them uncertain where and how to store the data they need right away and where and how to then move it to long-term storage to be in compliance with regulatory requirements.

The Solution

CDW worked closely with SCCC and developed an elegant solution utilizing Amazon S3 Storage, Glacier, Lambda and CloudWatch. At a high level, CDW's well-architected solution set up life-cycle policies within S3 to move infrequently access objects to Glacier via intelligent tiering for the Classroom-in-the-Cloud, which supports 150 WorkSpaces and 600+ servers.

The solution uses three separate Amazon Lambda functions for gathering data about WorkSpaces utilization and summarizing the data.

- The first Lambda function invokes DescribeWorkspaces API. This API gathers the utilization of the WorkSpaces every 15 minutes and stores the output in an S3 Bucket
- The next Lambda function processes the daily activity into a summary report, tags it and saves that file in a separate location
- The final Lambda function runs a monthly report, again, tagging it and storing it

Finally, CDW developed and implemented life-cycle policies by utilizing tags or suitable prefixes for additional action: e.g. delete raw files after seven days, move weekly files to infrequent access after 30 days.

