



Queen's
UNIVERSITY

CASE STUDY

Overview

Queen's University, located in Kingston, Ontario, Canada, resides on the traditional territory of the Anishinaabe and Haudenosaunee peoples. The university fosters a deeply integrated campus community that actively contributes to the regional and local economy, social fabric, and culture. Since its founding in 1841, Queen's University has grown to educate 31,000 full- and part-time students, including 4,000 international students from 101 countries. As a member of the U15 group of research-intensive Canadian universities, Queen's University boasts 793 full-time instructional faculty members and 24 research centers and institutes. The university is renowned for its commitment to innovation, scholarship, and discovery, striving to enrich the community and address humanity's greatest challenges through comprehensive research.



Challenge

Queen's University faces unique challenges due to its diverse international student body, which utilizes various operating systems. This diversity created a need for students using Mac OS to access Windows OS machines for data analytics applications such as Power BI Desktop. The university required a solution that would enable seamless access to different operating systems, ensuring all students could participate effectively in their courses.



Additionally, Queen's University sought a platform to provision EC2 instances with hands-on lab environments featuring pre-installed tools and auto-alerts features. The pre-installed tools would facilitate smooth lab operations, while the alerts would help reduce costs by checking if students were actively using the lab, prompting a response, and automatically shutting down VMs if they were not in use.

 **CloudLabs**
By Spektra Systems

Solution

Queen's University found an efficient solution with CloudLabs' hands-on lab environments for the EC2 program. This platform enabled students using Mac OS to access Windows OS machines with the Power BI application, ensuring uninterrupted training and coursework.

CloudLabs provided labs with pre-installed tools, automated alerts and VM shutdown features, addressing the university's needs for cost-effective and seamless operations. These labs alert users and automatically shut down during periods of non-use, minimizing manual intervention and operational costs.

Result

The collaboration between CloudLabs and Queen's University proved highly effective. The deployment of CloudLabs' solutions allowed students to continue their training on EC2 instances with pre-installed Power BI desktop applications from their Mac OS devices.

The alerts and auto-shutdown features significantly reduced costs by automating the power management of the hands-on labs, eliminating the need for constant human oversight. This automation freed administrators to focus on higher-priority tasks, enhancing overall efficiency and resource management at Queen's University.



[Book a Demo](#)

Phone: +1-844-773-5872

Email: info@spektrasystems.com

Address: Spektra Systems LLC
8201 164TH AVE NE, Suite 200
Redmond WA 98052-7615, USA

 **CloudLabs**
By Spektra Systems