Olivia

Relay2

BRIDGING THE DIGITAL DIVIDE

How Relay2's ServiceEdge Platform Empowered
Olivia's Digital Educational Solutions

UNRAVELING THE CHALLENGE

In a world where digital education has become the norm, a significant number of students in the US continue to lack access to adequate internet connectivity that would afford them equal opportunity for their learning journey.

A 2021 report from Common Sense Media found that 15 to 16 million K–12 public school students in the US live in homes with inadequate internet or computing devices. This represents around 30% of all public school students in the US. Globally, the number of students without internet accessibility is nearly 1 billion.

Aiming to bridge the digital divide, Olivia is poised to transform learning experiences for students in all environments, including those with limited or no internet access. Olivia delivers student digital engagement through a combination of digital homework assignments and a vetted, curated library of videos, podcasts, and ebooks. Olivia works in low- or no-bandwidth environments by leveraging edge technologies. A protective walled garden creates a personalized learning experience for its user. School districts can also benefit from in-depth insight through consolidated data analytics.

THE GAME-CHANGING SOLUTION:
Relay2's ServiceEdge Platform

Olivia is an innovative digital engagement system with an open architecture that incorporates best-in-class technology components in the overall scalable solution.. Olivia sought to integrate a third-party edge computing platform into its solution, allowing it to focus on application development and service operations. Olivia needed a robust system platform equipped with edge computing features, integrated local content storage, and managed networking services—a formidable list of requirements that proved challenging to find.

After a meticulous evaluation of various platforms and hardware solutions, Olivia discovered Relay2's advanced integrated edge-computing

Wi-Fi Service Point, the device component of **the ServiceEdge Platform**. This comprehensive solution provided exceptional service-management functions and key edge-computing components, including computing hardware, local content storage, Wi-Fi, and application container platform.

In Olivia's quest to bridge the digital divide, Relay2's Service Point technology and ServiceEdge Platform became valuable allies. As Daniel Kwong, Co-Founder and COO of Olivia, puts it, "The [ServiceEdge Platform] provides us with a seamless integration of storage and networking functionality that plays a significant role in reducing the time to market for Olivia's solution."

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> — *Daniel Kwong, co-founder, and COO, Olivia*

THE RESULTS:
A Win-Win Partnership

The collaboration's impact was and continues to be profound. Olivia's solutions were met with an overwhelmingly positive response from customers and the broader industry, underscoring the pivotal role that Relay2's components played in this initial success.

Relay2's ServiceEdge Platform emerged as a key component of Olivia's solution. Olivia relies on Relay2 for critical components such as hardware, OS, networking, and the Docker environment, thus

supporting its application and enabling students to access localized content seamlessly through Relay2's Wi-Fi infrastructure.

Relay2's Network Management System (NMS) also provided Olivia with a scalable tool as a component of the Olivia Service Management System. "The service-oriented approach of Relay2's solution helps improve Olivia's service manageability and the customer experience in our endeavor to bridge the digital divide," Kwong explains.

Alignment with Long-term Goals and Strategy

One of the most remarkable aspects of the partnership was how Relay2's ServiceEdge Platform seamlessly aligned with Olivia's long-term goals and strategy. Implementing Relay2 required minimal changes within Olivia's organization, allowing it to maintain focus on its core objectives. Relay2's commitment to continuous improvement resonated with Olivia's own focus on application development, further strengthening their partnership.

Olivia's team members voiced high satisfaction with their business relationship with Relay2, signaling a bright future for both organizations and the students they aim to serve. By leveraging Relay2's cutting-edge edge-computing capabilities, Olivia continues its significant strides in bridging the digital divide, delivering digital education engagements to all students, regardless of their internet connectivity.

Relay2 envisions a world in which every student has equal access to digital opportunities. The ServiceEdge Platform plays an integral part in actualizing this vision by offering transformative advantages to K–12 educational institutions:

- **Exceptional Application Performance:** Relay2's ServiceEdge Platform supercharges application performance, expedites market entry, and curtails operational costs by simplifying network, computing, and storage infrastructure.

- **Robust Security and Privacy:** Relay2's ServiceEdge Platform secures application deployment across diverse networks and bolsters data privacy, cultivating a secure local ecosystem that protects against cyber threats.

- **Scalability for the Future:** Relay2's ServiceEdge Platform streamlines the implementation and oversight of applications with Wi-Fi accessibility to accommodate the dynamic demands of K–12 schools. Through its extensive range of value-added services, Relay2 aims to augment user experience as these institutions embark on their digital transformation journey and expand device usage.

Olivia and Relay2 have proven that, with the right technology solutions and partnerships, bridging the digital divide is not only possible but also transformative for countless students' lives.

ABOUT OLIVIA TECHNOLOGIES

Olivia is a last-mile, digital delivery platform that works anytime, anywhere. Leveraging edge technologies, Olivia delivers access to digital educational resources even in low-bandwidth environments or when internet connectivity is unavailable.

Olivia's plug-and-play solution supports a school's existing learning-management system, adaptive learning, and social-emotional programs. Delivering digital resources both online and offline, the Olivia platform produces consolidated analytics, revealing levels of engagement, preferred types of content, study habits, areas of interest, and much more.

Along with committed partners in the ecosystem, Olivia has created an opportunity to improve education outcomes through adaptive, personalized learning while narrowing the digital divide.

Relay2 is enabling our partners to revolutionize K-12 education with the ServiceEdge Platform, engineered to streamline online educational services from the school classroom to the student's home.

Leveraging our breakthrough Service Points technology, we provide uninterrupted service connectivity for online education applications and walled-garden content, offering scalability tailored to educational institutions' needs. With reduced time for our partners' solution development, Relay2 is accelerating efforts to bridge the digital divide and shape the future of global K-12 education.