ONICA

Education Practice
Cut costs & run more efficiently on AWS

From K-12 to Higher Education and EdTech companies, Onica's approach to the unique requirements of the education customer sets you and your students up for success. No matter where you are on your cloud journey – just starting out or cloud native, Onica has a solution to accelerate and simplify your transformation.

Onica helps promote infrastructure optimization and modernization, enabling organizations to run more efficiently, utilize analytics, and manage IT operations. Leveraging the AWS Cloud Adoption Framework (CAF), Onica provides guidance to support each business unit so that they can take maximum advantage of the services provided by the cloud. Let us help you leverage AWS to lower costs, run more efficiently, and scale.

Migration Strategy   **Managed Cloud Services**   **Cloud Native Development**   **Data & Analytics**   **DevOps Transformation**   **Security Playbook**

Success Story – California Polytechnic State University Goes All-In on AWS

Nationally ranked university expects to save $3.5 million over three years by migrating to the AWS Cloud

What we did:

Cal Poly, one of the top engineering schools in the nation, decided to migrate all core applications to AWS, including their learning management systems, payroll, database services, mobile applications, data warehouse, content management service, security applications, student scheduling, and advising services. Cal Poly also launched the "Cal Poly Digital Transformation Hub, powered by AWS," a collaboration that helps government agencies across California move to the cloud by developing technology solutions designed to address the unique digital transformation challenges public sector agencies face.

Outcome:

Cal Poly is revolutionizing their business on AWS by scaling up operations to transform the way services are delivered across campus. By partnering with Onica and the AWS Professional Services team, they accelerated their cloud transformation journey as they adjusted operations to a cloud-operating model.

Overhauling your entire IT infrastructure and operations models can be daunting, so Onica and AWS have devised a multi-phased approach that helped Cal Poly develop and implement a cloud vision that is systemic, sustainable, and supportable.

" AWS offers the broadest and deepest set of functionality and superior performance and security, we'll be able to leverage the latest and greatest technologies as we innovate on behalf of our students. "

– Jeffrey Armstrong, President at Cal Poly

ONICA

Onica Education Offers

Ready-to-Migrate Packages

Active Directory Migration | (1 – 2 Week Implementation)

Onica will help your IT team deploy Active Directory onto AWS, making sure its integrated with campus Active Directory. We'll provide solutions around sites and services, DNS, and SSO, as well as campus-to-cloud connectivity.

On-Premises Infrastructure Optimization with AWS | (1 – 2 Week Implementation)

Onica will help your IT team explore ways to optimize your existing on-premises infrastructure with the benefits offered by AWS. In addition to on-premises infrastructure, AWS can successfully improve monitoring and patching workflows, and content delivery through Amazon S3 and Amazon CloudFront. Other opportunities include improved deployment workflows using AWS CodeDeploy and improved code quality and security by leveraging solutions such as Parameter Store.

Disaster Recovery & Backups | (1 – 2 Week Implementation)

Onica will help your IT team develop a customized backup solution leveraging AWS services such as Amazon Storage Gateway, Virtual Tape Library, and Amazon S3. In many cases existing investments (enterprise backup software and hardware) may be leveraged and improved by pairing with cloud solutions, delivering a more robust and scalable environment.

Amazon WorkSpaces | (1 – 2 Week Implementation)

Onica will help your IT team deploy Amazon WorkSpaces and enable the management of software deployments to WorkSpaces. WorkSpaces allows the use of academic applications outside of campus. This is one of the best ways for managing data loss prevention and freeing up classroom space. Some of the key issues that will be solved include campus to cloud connectivity, Active Directory/SSO integration, and data backups.

Amazon Alexa Skills | (2 Week Implementation)

Now more than ever, people are using voice enabled technologies to interact with online services and their surroundings. Amazon's Alexa is the leading voice assistant platform, and is just waiting to help you engage students, faculty, and staff both on and off campus. A freshman wants to find out where the library is, and asks "Alexa, ask my campus where the library is". Or "Alexa, ask my university what's happening on campus this week?". The possibilities are endless, and Onica can help you get started quickly. Through a structured two-week process, Onica will help you identify 3 intents (actions), design the Voice User Interface (VUI), and develop the Alexa skill and deploy the skill onto AWS. Additionally, Onica will work with your team to roadmap out additional future functionality for your Alexa skill. This engagement will give your team insight into what it takes to develop high quality, and engaging voice experience for everyone on campus.

On-Site Workshops

Making the Case for Cloud: How to Develop a Winning Business Case for Cloud

This workshop helps IT leadership create a strong business case for implementing a cloud infrastructure. Bringing our experiences from implementing cloud initiatives for hundreds of customers, Onica's consultants can quickly evaluate your overall business and technology landscape and provide advice on how AWS can help you achieve your business goals and optimize cost. Business case definition does not have to be a lengthy process, Onica can advise on the Total Cost of Ownership, long-term cloud roadmap, CAPEX/OPEX, implementation strategy, organizational buy-in, and other topics to create a winning case, saving time, and money.

Creating a Cloud Center of Excellence: How to Create Cloud Champions & Prepare for Cloud Computing

New technologies are often viewed as a disruptive change to an organization, which often prevents large institutions from embracing innovative platforms quickly and staying ahead of the competition. This workshop teaches how to create positive incremental change and prepare an organization for a project by developing internal cloud champions and enthusiasts. We'll also work on developing a Cloud Center of Excellence (CCOE), a group of cross-functional peers who help sponsor projects and IT leaders to drive cloud adoption across an organization.

Getting Buy-In from Internal IT for Cloud: Hands-on Single Application AWS Migration (POC)

AWS transformation and migration projects can turn into long-term initiatives that bring together colleagues from multiple departments, especially during the initial stages of the project when business teams focus on topics such as organizational governance, change management, cost analysis, etc. Technical teams that were excited to embark on the cloud journey may start losing enthusiasm as the time passes. This hands-on workshop is created for technical teams with the goal of keeping the momentum going by demonstrating practical steps to moving an application onto AWS. Onica works with the IT team on analyzing technical requirements and then executing the move of a non-critical workload from on-premises to AWS. Onica evaluates the IT team's skillset, assigns tasks to IT engineers, and guides the team through execution of each task. By the end of day, the IT team is able to complete the migration on its own. This gives the team a good sense of how future migrations will look.

Getting Started with AWS: Preparing your Organization for an AWS Project

Many organizations spend significant funds on consulting support prior to starting an actual migration onto AWS. This workshop helps IT leaders who consider cloud for their organization prepare for a future project in advance, save on consulting fees, and accelerate the initiative. Onica has developed a set of tools and templates that can be implemented into the university environment with minimal effort from internal IT teams. This proprietary toolkit helps collect various types of data needed for the project automatically (i.e. server inventory, applications specifications, etc.). By the time the project is formally kicked off, the team has most of the data needed to make informed decisions and move quickly through the early stages of the project that typically require hours of coordination and consulting support. By investing minimal time and resources in getting started, IT leaders gain speed and achieve cost savings.