



## DSC Gains Reliability and Scalability by Migrating to AWS

Daytona State College (DSC) is a community college with 25,000 students across seven instructional sites and over 1,300 faculty/staff. DSC graduates serve in critical fields including healthcare, emergency services, business, education, hospitality, engineering technology, computer science, and more.

DSC hosted its PeopleSoft Campus Solutions, HCM, Finance, and Portal applications in a traditional telecommunications provider's cloud that lacked flexibility with infrastructure to accommodate peak usage and experienced frequent service outages. This, ultimately, resulted in extensive PeopleSoft performance issues for DSC, increasing concern about the student user experience and infrastructure scalability while incurring high monthly costs. As a long-time PeopleSoft Managed Services client, DSC engaged ERPA to discuss possible solutions.

### Leveraging the Power of AWS Cloud

ERPA partnered with the DSC team to review their current challenges, future technology initiatives, business requirements, and scoping requirements to re-architect the way in which the PeopleSoft applications were hosted and the Oracle workloads were managed. This resulted in:

- AWS EC2 instances configured for scalability and optimal availability and reliability leveraging AWS Well Architected tools and best practices
- Cross-region disaster recovery solution for fault tolerance
- Freedom to migrate their SQL Server database to AWS
- Extensive use of AWS native services such as CloudTrail, CloudWatch, GuardDuty, and AWS Web Application Firewall (WAF) for monitoring and security
- Appropriately provisioned resources like S3, EBS and EFS for storage
- Streamlined application and infrastructure patching and maintenance with always up-to-date hardware
- Enhanced security and compliance posture to exceed internal, regulatory, and statutory requirements

The ERPA team successfully performed a lift-and-shift migration to the AWS cloud utilizing ActiveGenie™, our proprietary cloud orchestration tool. In doing so, the PeopleSoft applications were stabilized, performance improvements were immediate, and DSC gained the ability to scale as needed while lowering monthly costs and enhancing the student user experience.

ERPA continues to support DSC through a tailored Hosted Managed Services engagement by leveraging ActiveGenie™ to streamline AWS infrastructure management, PeopleSoft administration and management, and database administration and management.



## THE CHALLENGE

Frequent service outages, performance issues, lack of scalability, and high costs.

## THE SOLUTION

A Well Architected high-availability, fully redundant AWS solution tailored to stabilize Oracle/PeopleSoft workloads. Extensive use of AWS cloud native features and functionality, continually updated compute resources, and scalability.

## THE OUTCOME

A successful *lift-and-shift* migration to the cloud for optimized performance, security, increased scalability, and disaster recovery, resulting in operational efficiency, lower costs, and enhanced end user experience.



*The complex PeopleSoft infrastructure and application stacks mean that ERPA's in-depth knowledge has been critical to us when we run into new and complex technical issues.*

Marek Juracek  
Director of Software Development and  
PeopleSoft Support

ERPA is an AWS Advanced Consulting Partner and leader in modernizing enterprise applications like Oracle/PeopleSoft through cloud transformation, automation, and ongoing managed services and support.

