



CASE STUDY

DAYTONA STATE COLLEGE

GAINS RELIABILITY & SCALABILITY BY MIGRATING TO AWS

Located in Florida, Daytona State College (DSC) is a community college dispersed across seven instructional sites with 1,300 faculty/staff members and a student body of 25,000.

The Challenge. DSC hosted its PeopleSoft Campus Solutions, HCM, Finance, and Portal applications, and SQL Server database with a private cloud provider, only to experience frequent service outages and an infrastructure lacking both the flexibility and capacity to accommodate periods of peak usage. This resulted in PeopleSoft performance issues and a diminished student user experience, while incurring high monthly costs.

UNLEASHING A BETTER PEOPLESOFT

The Big Picture. ERPA's solution combines the endless benefits of the AWS cloud and our Hosted Managed Services for PeopleSoft - both of which are enhanced by ActiveGenie™, our cloud orchestration service. We'll talk about this in more detail later.

DSC gained incredible improvements in performance, reliability, disaster recovery, security, and scalability, while optimizing operations, management, and maintenance. ERPA Hosted Managed Services are backed by an industry-leading Service Level Agreement (SLA), robust governance, and service delivery management.

We leverage ActiveGenie™ automation to streamline AWS infrastructure management, PeopleSoft administration, and database administration for a SaaS-like experience with near-zero downtime for routine maintenance activities. Our ongoing cost optimization services have resulted in an additional 10% savings beyond the initial cost reduction.

Beyond the cost savings, ongoing PeopleSoft support, and benefits of the AWS cloud, DSC has a *better PeopleSoft*. **But, what do we mean by that?**

- ✔ **Future-proof solution** that takes advantage of Oracle's 10-year commitment to support and enhance PeopleSoft, while offering freedom to leverage SQL Server
- ✔ **SaaS-like experience** with SLAs and automated services for freedom from the mundane, while maintaining unique business-specific customizations
- ✔ **Modernized platform** for faster adoption of new features, and capabilities beyond ERP to meet the needs of the students, educators, and employees

LEVERAGING THE POWER OF AWS CLOUD

The AWS Solution. DSC engaged the ERPA team to discuss current challenges, explore possible solutions, and prioritize future technology initiatives, business requirements, and scoping considerations. Our team rearchitected the way in which the PeopleSoft applications and SQL Server database were hosted and the workloads were managed.

The end result was a purpose-built infrastructure with appropriately sized AWS resources.

AT A GLANCE



CAMPUS SOLUTIONS
+ HCM + FINANCE



14
DAYS TO MIGRATE
TO AWS



SQL SERVER
ON AWS



40%
TOTAL COST
REDUCTION



SaaS-LIKE
EXPERIENCE



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In alignment with the AWS Well-Architected Framework, our solution featured:

- AWS Elastic Compute Cloud (EC2) instances configured for optimal scalability, availability, and reliability
- Freedom to migrate their SQL Server database to AWS
- Cross-region disaster recovery solution for fault tolerance
- Improved monitoring and security through the use of AWS native services like CloudTrail, CloudWatch, GuardDuty, and AWS Web Application Firewall (WAF)
- Appropriately provisioned storage resources like Simple Storage Service (S3), Elastic Block Store (EBS) and Elastic File System (EFS)
- Streamlined infrastructure management and always up-to-date hardware
- Enhanced security and audit compliance with internal and external requirements




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.

Director of Software Development
and PeopleSoft Support

ACCELERATING THE JOURNEY WITH ACTIVEGENIE™

The Migration. DSC first required an expedited migration of their student information system, Campus Solutions, to ensure the upcoming student registration period was a success. The kicker? We only had **14 days** to migrate the PeopleSoft system to AWS including testing.

Key to a successful cloud deployment is ERPA's *migrate-to-modernize* approach, and not just a *lift & shift*. This ensures the AWS solution is designed with a dynamic infrastructure and cloud-native architecture, leaving behind the traditional focus on hardware capacity, maintenance, and refresh.

This is why we developed ActiveGenie™, our proprietary cloud orchestration service rooted in DevOps and API-driven methodologies to deploy Oracle/PeopleSoft workloads using repeatable,  scalable, automated processes.

KEY BENEFITS



RELIABILITY &
PERFORMANCE



SCALABLE &
FUTURE-PROOF



OPTIMIZED
COSTS



BETTER USER
EXPERIENCE

Over a four-day period, our team leveraged ActiveGenie™ to capture the key PeopleSoft application, SQL Server database, and AWS infrastructure details to streamline the solution design. Next, the configuration and build of the AWS environments was automated, allowing ERPA to hand over testing to the DSC team for eight days. Once complete, we were ready to migrate.

Powered by ActiveGenie™ automation, the Oracle/PeopleSoft workloads were dynamically deployed using version-controlled Infrastructure as a Code (IaC). In other words, ActiveGenie™ simplified the cloud migration lifecycle, and by working closely with the DSC team, Campus Solutions went live on AWS in less than six hours.

The result? A complete success.

The upcoming student registration period went smoothly, and we migrated the remaining PeopleSoft applications (HCM, Finance, Portal) shortly after. Overall, the applications were stabilized, performance improved immediately, the student user experience was greatly enhanced, and DSC gained the ability to scale as needed while lowering monthly costs by 30%.

