AARP

BOOSTS PERFORMANCE & SCALABILITY WITH AWS CLOUD

AARP is the largest non-profit, non-partisan member organization in the U.S., and is dedicated to empowering senior citizens through resources to enhance the quality of life as they age.

The Challenge. AARP was undergoing an organization-wide, multi-phase IT cloud modernization effort to migrate all enterprise applications and infrastructure to AWS. AARP needed a partner with the experience and expertise to migrate their PeopleSoft HCM, Finance, and Portal applications from a private data center with the goal of resolving misconfigured infrastructure and frequent system outages.

The effort required a full design and implementation of the AWS solution, a PeopleTools upgrade, and coordination with third-party vendors - all while working in alignment with AARP's DevOps principles and strict security standards. Upon completion, AARP looked to the partner to provide ongoing PeopleSoft application management support.

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.

AARP gained incredible improvements in performance, reliability, disaster recovery, security, and scalability, while optimizing operations, management, and maintenance with DevOps. 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 team has since seamlessly upgraded their database and is currently deploying the Fluid user interface.

Beyond the lowered total cost of ownership, and benefits of the AWS cloud, AARP 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 with database licensing

✓ **SaaS-like experience** with SLAs and DevOps automation for accelerated deployments, streamlined maintenance, and freedom from the mundane

✓ **Modernized platform** that enables faster adoption of new features, and unlocks opportunities beyond ERP for business agility and enhanced end user experience

AT A GLANCE

HCM + FINANCE + PORTAL

INCREASE IN PERFORMANCE

OPTIMIZED DATABASE

15 min
TIME TO COMPLETE 98% OF BATCH PROCESSES

SaaS-LIKE EXPERIENCE

LEVERAGING THE POWER OF AWS CLOUD

The AWS Solution. The ERPA team met with AARP leadership and subject matter experts to understand the challenges, business requirements, and opportunities. Next, we architected a solution leveraging AWS native services, and DevOps principles and automation for simplified provisioning and deployment. The end result was a purpose-built infrastructure with appropriately sized AWS resources in alignment with the AWS Well-Architected Framework:

- AWS Elastic Compute Cloud (EC2) instances configured for optimal scalability, availability, and reliability
- Embedded DevOps using Infrastructure as a Code (IaaC)
- Optimized database performance with Amazon RDS
- Improved monitoring, security, and risk auditing via AWS services like CloudWatch, CloudTrail, AWS Web Application Firewall (WAF), and GuardDuty for compliance
- Reliable storage solution using Simple Storage Service (S3), Elastic Block Store (EBS) and Elastic File System (EFS)
- Upgraded disaster recovery solution with load balancing

KEY BENEFITS

RELIABILITY & PERFORMANCE

SCALABLE & FUTURE-PROOF

DEVOPS AUTOMATION

BETTER USER EXPERIENCE

POWERED BY ACTIVEGENIE™

The Migration. As part of the larger cloud transformation project, AARP's enterprise applications were migrated to AWS in phases. This meant the PeopleSoft migration had to be accomplished within a firm timeframe and, additionally, before AARP's annual benefits enrollment period.

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 our proprietary cloud orchestration service, ActiveGenie™, that is rooted in DevOps and API-driven methodologies for the deployment of Oracle/PeopleSoft workloads using repeatable, scalable, automated processes.

ACTIVEGENIE™

ActiveGenie™ allowed the ERPA team to capture key PeopleSoft application, Oracle database, and AWS infrastructure details to streamline solution design. The automated configuration and build of the AWS environments enabled efficient, iterative migrations of the non-production environments and PeopleTools upgrade in preparation for go-live.

> *We appreciate all the effort that ERPA has spent...in helping us finish this project... It certainly shows the level of effort and dedication that ERPA has shown to [our] success.*
>
> SVP & CIO

After confirming the final batch processes were complete, we utilized ActiveGenie™ to dynamically deploy the Oracle/PeopleSoft workloads using version-controlled IaaC. ActiveGenie™ simplified the cloud migration lifecycle, and by working in tandem with third-party vendors and AARP team, the PeopleSoft production environments were successfully upgraded and deployed on AWS over a weekend on-time and on budget.

The Outcome. AARP's upgraded PeopleSoft applications were deployed with an optimized Amazon RDS database to handle their massive amounts of data. AARP realized immediate benefits of increased performance, scalability, security, reliability, and increased operational efficiency. In fact, 98% of the batch processes were complete in less than 15 minutes. AARP's users reported major improvements in application responsiveness and speed, and, lastly, they experienced a successful month-end processing and open enrollment period after go-live with no issues.