



Streamlining Success: How Pandora Cloud Optimized Taylor Protocols' AWS Ecosystem

Overview

Taylor Protocols, a Bellevue, WA-based leader in human performance optimization, partnered with Pandora Cloud in 2024 to elevate their cloud infrastructure. Specializing in the Core Values Index (CVI) and tools for leadership development and hiring precision, Taylor Protocols needed a dependable Managed Service Provider (MSP) to build and manage their AWS development and production environments, migrate their database, and upgrade to Aurora MySQL. Pandora Cloud delivered a secure, high-performance solution, empowering Taylor Protocols to serve CEOs, HR leaders, and coaches worldwide with unmatched reliability.

Challenge

Taylor Protocols faced critical operational needs:

- **Robust Infrastructure:** They required secure, scalable AWS environments for development and production to support their growing SaaS platform and CVI assessments.
- **Database Migration:** Moving their existing database to AWS without interrupting client access was essential for their data-driven tools.
- **Upgrade Demands:** Their database needed to transition to Aurora MySQL for better performance, scalability, and compatibility with their applications.
- **Security and Uptime:** As a trusted partner to global businesses, they demanded ironclad security and near-perfect availability.

Pandora Cloud stepped in as their MSP to architect and maintain a cloud ecosystem that matched their mission of optimizing human potential.

Solution

Pandora Cloud provided end-to-end AWS management, focusing on infrastructure, security, and database optimization:

1. **AWS Development and Production Environments:**

- Built secure dev and prod environments using Amazon EC2, VPCs, and Elastic Load Balancers, tailored to Taylor Protocols' traffic patterns.

- Leveraged AWS CloudFormation for Infrastructure as Code (IaC), enabling rapid, consistent environment replication.
- Configured auto-scaling to handle spikes (e.g., during CVI training rollouts), ensuring seamless performance.

2. Database Migration:

- Migrated Taylor Protocols' legacy database to Amazon Aurora MySQL using AWS Database Migration Service (DMS), achieving a cutover in under 30 minutes.
- Validated data integrity for CVI scores and client records pre- and post-migration, ensuring zero discrepancies.
- Set up Aurora's high-availability features, including read replicas and automated failover, to support Taylor Protocols' global reach.

3. Database Upgrade:

- Upgraded the database to the latest Aurora MySQL version, optimizing for performance with features like parallel query execution and enhanced caching.
- Transitioned from a legacy MySQL setup to Aurora's serverless scalability, reducing maintenance overhead and improving query response times.
- Coordinated with Taylor Protocols' development team to ensure application compatibility, managing the infrastructure side of the upgrade.

4. Operational Support and Security:

- Managed all AWS resources as their MSP, including:
 - **EC2 Patching:** Automated patching of EC2 instances with AWS Systems Manager (SSM), keeping servers secure and compliant without downtime.
 - **Monitoring:** Used Amazon CloudWatch to track performance metrics (e.g., CPU utilization, database latency), setting custom alerts for proactive issue resolution.
 - **Security:** Deployed AWS Web Application Firewall (WAF) to protect against common threats like SQL injection, safeguarding CVI data and client interactions.
- Provided 24/7 incident response, resolving a critical Aurora failover event in under 15 minutes, and maintained S3 buckets for secure storage of training assets.
- Optimized costs by right-sizing EC2 instances and leveraging Aurora's pay-as-you-go model, saving Taylor Protocols an estimated 20% on cloud expenses.

Results

Pandora Cloud's partnership delivered measurable impact for Taylor Protocols in 2024:

- **Seamless Scalability:** AWS environments handled a 40% traffic surge during a major CVI rollout, scaling effortlessly with auto-scaling and Aurora read replicas.

- **Flawless Migration:** Completed the database migration with only 30 minutes of planned downtime, maintaining trust with 100+ active enterprise clients.
- **Performance Boost:** Aurora MySQL improved query speeds by 30%, accelerating CVI analytics for real-time leadership insights.
- **Fortified Security:** AWS WAF blocked 500+ malicious requests monthly, while SSM ensured 100% patch compliance across EC2 instances.
- **Rock-Solid Reliability:** Achieved 99.99% uptime with 24/7 CloudWatch monitoring and rapid incident response, supporting 5,000+ monthly assessments.

“Pandora Cloud took our AWS infrastructure to the next level. They built our dev and prod environments, migrated us to Aurora MySQL with barely a blip, and keep everything running like clockwork. The security they’ve added with WAF and automated patching gives us peace of mind, and their CloudWatch monitoring catches issues before we even notice them. They’re not just managing our cloud—they’re enabling us to focus on what we do best: transforming organizations worldwide with the CVI.”

— Taylor Protocols Leadership Team



Ready to optimize your cloud infrastructure?

Contact Pandora Cloud at
info@pandoracloud.net or visit www.pandoracloud.net
to learn how we can drive your success.