



AI Platform Migration (OpenAI to AWS Bedrock)

Full-lifecycle migration from OpenAI to AWS Bedrock and OpenSearch, replacing dual vendor costs with a consolidated architecture viable at 100M+ documents.


Move your OpenAI-powered platform to AWS Bedrock and OpenSearch, and cut costs while scaling to 100 million documents and beyond.

Content discovery and search-intensive platforms built on OpenAI face compounding costs as document volumes grow, and vendor consolidation on AWS is a meaningful opportunity to reduce spend while improving search relevance and scale. This engagement replaces OpenAI embeddings and separate vector storage with Bedrock Titan v2 and OpenSearch, using a phased migration approach that protects production continuity throughout.

- Migration assessment covering current architecture, embedding pipeline, and search workflows
- Target architecture replacing OpenAI embeddings with Bedrock Titan v2 and consolidating into OpenSearch
- Hybrid search combining semantic, keyword, and filtering for superior relevance at 100M+ documents
- Parallel re-embedding and phased dual-read validation through cutover
- Production-grade OpenSearch clusters via Terraform IaC with WAF and credential rotation

Timeline: 8 to 12 weeks.

Pricing: Scoped per engagement. AWS funding may apply.

 **Get Started Today**
Contact us at sales@newmathdata.com
to schedule an introduction.

Customer Commitment

- Engineering and architecture leads for assessment, validation, and cutover sign-off
- Infrastructure and security stakeholders for cluster and credential management
- Access to current platform architecture, embedding pipelines, and production data sources

Who Should Participate

- Engineering and architecture leads
- Infrastructure and DevOps stakeholders
- Product or business leadership

Benefits

- Significant cost reduction through vendor consolidation
- Superior search relevance viable at 100M+ document volumes
- Zero-downtime cutover through phased dual-read validation

Deliverables

- Migrated AI platform on AWS OpenSearch and Bedrock
- Production-grade OpenSearch clusters via Terraform IaC
- Optimized hybrid search workflows
- WAF protection and automated credential rotation
- Cost analysis and operational optimization report