



Intelligent Document Processing for Regulated Industries with AgentCore Workflow Agents

Workflow agents on Amazon Bedrock AgentCore that classify, extract, validate, and act on regulated documents, with compliance guardrails built into every step.



Move beyond a fixed extraction pipeline to workflow agents that classify, validate, and act on your regulated documents within compliance guardrails.

Regulated organizations deal with enormous volumes of unstructured documents: filings, EHR exports, engineering diagrams, safety inspections, and well reports. A fixed extraction pipeline stalls when a document needs judgment. This engagement deploys workflow agents on Amazon Bedrock AgentCore that classify, extract, validate, and act on regulated documents, with compliance guardrails built into every step.

- Document workflow agents deployed on AgentCore Runtime, serverless with isolated sessions per document or case
- Classification, extraction, and validation grounded in your document spectrum and regulatory obligations
- Compliance and reporting systems connected as tools through AgentCore Gateway
- Policy guardrails and Observability for HIPAA, PII, DOE, FERC, and EPA-aligned audit trails
- Identity for per-user access and Memory for context across multi-step review

Timeline: 4 to 8 weeks.

Pricing: Scoped per engagement. Contact us.

Get Started Today

Contact us at sales@newmathdata.com to schedule an introduction.

Customer Commitment

- Compliance and legal stakeholders for guardrail definition and output validation
- IT and data engineering leads for tool integration and agent configuration
- Access to representative document samples and system documentation

Who Should Participate

- Compliance and legal stakeholders
- IT and data engineering leads
- Operations leadership

Benefits

- Judgment-heavy document work automated, not just extraction
- Compliance enforced as guardrails on every agent action
- Auditable decisions traced end to end for regulators and reviewers

Deliverables

- Deployed document workflow agents on AgentCore for your document types
- Gateway integrations to compliance, reporting, and system-of-record tools
- Policy guardrails, Identity, and Observability with audit trail configuration
- Architecture and administration runbook