**ADR ID: 001**

**Title**(Enter a short, descriptive decision name)

Adopt AWS Lambda for Event Processing

**Status**(Proposed, Accepted, Rejected, Deprecated)

Accepted

**Context**The context in which the decision was made, including the problem statement, constraints, and requirements.

Our current event processing system is built on EC2 instances, which require manual scaling and maintenance. We need a more scalable and cost-effective solution.

**Decision**The decision that was made and its justification.

We will migrate our event processing workloads to AWS Lambda, leveraging its serverless architecture for automatic scaling and reduced operational overhead.

**Alternates Considered**Other options that were considered and why they were not chosen.

* Continue using EC2 with auto-scaling groups
* Adopt AWS Fargate for containerized event processing
* Use Google Cloud Functions

**Consequences**The implications of the decision, including any potential risks or downsides.

* Reduced infrastructure management
* Potential cold start latency
* Need to refactor existing code for Lambda compatibility