# Financial Control - Architecture Document

This document provides an overview of the architecture and design decisions for the Financial Control system. The solution is built using .NET 8, C#, and follows Domain-Driven Design (DDD), Test-Driven Development (TDD), and SOLID principles. The main technologies used are MongoDB, Redis for caching, and AWS SQS for message queueing.

## 1. Solution Architecture

The solution consists of the following layers:

- API: Handles HTTP requests and routes them to the application layer.

- Application: Contains business logic, DTOs, and service handlers.

- Domain: Includes entities, repositories, and aggregates.

- Infrastructure: Implements repositories, caching, and external services.

## 2. Technologies Used

- .NET 8 and C#

- Docker and Docker Compose

- MongoDB for database storage

- Redis for caching

- AWS SQS for messaging

- xUnit for unit testing

# Arquitetura AWS - Financial Control