

AUDIT AND MIGRATION MISSION

# Modernization of Digital Architecture

A strategic plan for the Prefecture of Gironde: Audit, API-led Connectivity and Continuous Integration (DevOps).

Presented by Jasmine Conseil

# Context: Prefecture of Gironde

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Gironde is a dynamic territory in the heart of Nouvelle-Aquitaine. Bordeaux, its prefecture, embodies both a rich historical heritage and growing economic modernity.

As a major administrative center, the Prefecture must guarantee efficient, secure and scalable digital services to meet the needs of citizens and agents.



# Scope of the Mission

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## The Existing System

A system requiring in-depth analysis of its environments and integration procedures. The primary need is to improve the reliability of the current architecture.

## The Target

A modernized architecture based on Mule 4, adopting the API-led Connectivity approach, with complete automation of tests and deployments (CI/CD) via Docker.

# Pillars of Transformation

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## Migration Mule 4

Standardization of modules and guarantee of API reusability and security.



## API-led Connectivity

A layered architecture  
(Experience, Process, System)  
for agile and maintainable  
integration.



## DevOps culture

Automation of deployments and continuous integration to reduce "Time-to-Market".

# Project Roadmap

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## Phase 1

**Audit & Recommendations**  
System analysis & Docker strategy.

## Phase 2

**Migration Mule 4**  
Technical work & production implementation.

## Phase 3

**Training**  
Supporting teams on site.

## Phase 4

**DevOps & API-led**  
Continuous Optimization & Deployment.

# Phases 1 & 2: Audit and Migration

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**In-depth Audit:** Complete mapping of existing systems to identify technical debts and optimization opportunities.

**Docker Strategy:** Defining containerized environments to ensure portability and consistency

**Mule 4 Migration:** Accurate task estimation and effective migration by Jasmine Conseil.

**Production Deployment:** Dedicated technical support to ensure the success of initial deployments.



# Phase 3: Skills Development

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## On-Site Training

Technology alone is not enough; adoption by teams is crucial. We include a comprehensive training component to:

- Transferring skills to Mule 4.
- Instill DevOps best practices.
- To ensure the autonomy of the Prefecture's internal teams.

# Phase 4: Operational Excellence

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Standardized API Connectivity



DevOps Automation (CI/CD)

Final implementation of the continuous integration and deployment pipeline to ensure fast, reliable and secure updates.

# Objectifs Globaux de la Mission

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**100%**  
API-led Connectivity

**CI/CD**  
Automated Deployment

**4.0**  
Mule Migration

Strengthen the robustness, security and agility of the Prefecture's information system.

Thank you for your attention.

**Jasmine Conseil**