

# **\*\* Exploring Camunda \*\***

**\*\* Journey to learning Camunda \*\***

**\*\* Amine Neggazi \*\***

**\*\* Prepared for, 23 / 07 / 2023 \*\***

---

# Contents

<b>1</b>	<b>Introduction</b>	<b>2</b>
1.1	Motivation and Goals . . . . .	2
<b>2</b>	<b>What is BPMN ?</b>	<b>3</b>
2.1	Basics of BPMN . . . . .	3
2.2	Learning Process and Resources . . . . .	3
<b>3</b>	<b>What is Camunda ?</b>	<b>4</b>
3.1	Introduction . . . . .	4
3.2	Installation and Setup . . . . .	4
<b>4</b>	<b>Creating a Simple Process</b>	<b>5</b>
4.1	Designing a Process using Camunda Modeler . . . . .	5
4.2	Executing the Process with Camunda's Workflow Engine . . . . .	5
<b>5</b>	<b>Advanced Topics</b>	<b>6</b>
5.1	User Task Management . . . . .	6
5.2	Automation using DMN . . . . .	6
5.3	Process Optimization . . . . .	6
<b>6</b>	<b>What I Learned</b>	<b>7</b>
6.1	Challenges, Successes, and Some Takeaways . . . . .	7
<b>7</b>	<b>Conclusion</b>	<b>8</b>

# 1 Introduction

In this article, I will share my journey of learning Camunda, an open-source platform for workflow and decision automation. As businesses strive for efficiency and agility, understanding tools like Camunda becomes crucial for streamlining processes and optimizing operations. I am very motivated to explore this powerful platform, and I embarked on a learning adventure to uncover the possibilities it offers.

Throughout this article, I will provide insights into the fundamentals of BPMN (Business Process Model and Notation) and its role in visualizing and modeling business processes. I will then dive into my experience with Camunda after using it in a small project, I'll also give a brief step by step learning journey from the initial installation and setup to exploring the Camunda Modeler, which allowed me to create clear and concise process diagrams.

I will also share valuable lessons learned,

## 1.1 Motivation and Goals

I am motivated to learn camunda as it is a necessary tool for infrastructure automation and to also enhance productivity. Here are some goals that I want to accomplish:

- Gain a solid understanding of BPMN.
- Understand camunda's workflow engine.
- Effectively model and automate complex business processes.
- Camunda integration with other systems.
- Collaboration with co-workers.

## **2 What is BPMN ?**

Business Process Model and Notation was developed as a graphical notation to represent complex processes and address these challenges. It is maintained by the non-profit The Object Management Group (OMG) and employed by numerous organizations globally. The visual nature of BPMN enables greater collaboration between different teams.

### **2.1 Basics of BPMN**

Here are the foundational elements of BPMN:

- Process.
- Activities (Tasks, Sub-Processes, and Call activities).
- Events (Start Events, Intermediate Events, and End Events).
- Gateways (Exclusive, Parallel, and Inclusive Gateways)
- Sequence Flow.
- Data Objects.

### **2.2 Learning Process and Resources**

## **3 What is Camunda ?**

### **3.1 Introduction**

### **3.2 Installation and Setup**

## **4 Creating a Simple Process**

### **4.1 Designing a Process using Camunda Modeler**

### **4.2 Executing the Process with Camunda's Workflow Engine**

## **5 Advanced Topics**

### **5.1 User Task Management**

### **5.2 Automation using DMN**

### **5.3 Process Optimization**

## 6 What I Learned

### 6.1 Challenges, Successes, and Some Takeaways



## 7 Conclusion