Software Architecture Document

Test Pro 1

Version
1.0.0

Department
Engineering

Date
April 2025

Status
active

Software Architecture and Design

1. Introduction

This Software Architecture Document (SAD) provides a detailed representation of the system's architecture, developed based on the functional and non-functional requirements provided by the user. It illustrates how these requirements shape the architectural design, ensuring the system meets its intended purpose effectively. The document incorporates various architecture diagrams that visually represent the structure, components, and interactions within the system. These diagrams are created iteratively during the RUP Elaboration phase, reflecting key decisions and ensuring alignment with user expectations and system constraints. Each section of the SAD builds upon the requirements, progressively detailing the architectural vision.

ARCHITECTURAL ACTIVITIES	SOFTWARE ARCHITECTURE DOCUMENT
Step 1 - Functional Requirements	Section 3
Step 2 - Non-Functional Requirements	Section 4
Step 3 - Use Case Diagram	Section 5
Step 4 - Data Models: Conceptual Data Model	Section 6 > Conceptual
Step 5 - Data Models: Logical Data Model	Section 6 > Logical
Step 6 - Data Models: Physical Data Model	Section 6 > Physical
Step 7 - Deployment Models: AWS Model	Section 7 > AWS
Step 8 - Deployment Models: Azure Model	Section 7 > Azure