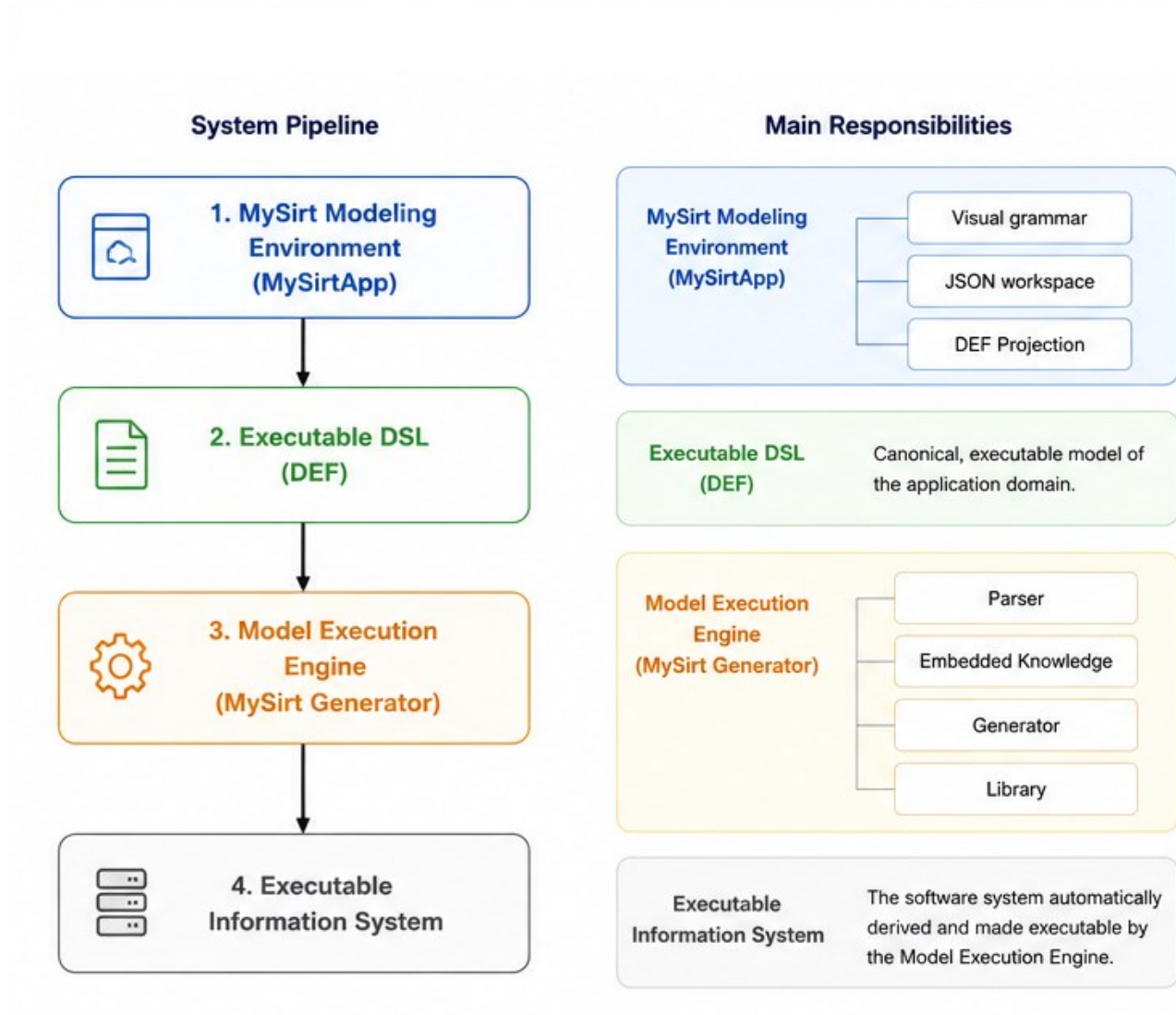


The MySirt Ecosystem

High-Level Architectural Overview



Overview

The MySirt ecosystem is organized around a clear separation of responsibilities.

The **Modeling Environment (MySirtApp)** provides the tools used to describe an application domain through visual modeling. The resulting model is automatically translated into an executable DSL (DEF), which represents the canonical specification of the application domain.

The **Model Execution Engine** processes the DEF together with its embedded platform knowledge to derive all the software artifacts required to build a complete information system. The generated system can then be deployed and executed without requiring manual implementation of the application logic.

Although these components cooperate closely, they have distinct architectural responsibilities:

- **MySirtApp** is responsible for authoring and maintaining application models.
- **The Executable DSL (DEF)** is the canonical, technology-independent description of the application domain.
- **The Model Execution Engine** transforms the executable DSL into a working information system.
- **The Executable Information System** is the final software application produced by the execution process.

How to use this documentation

Keep this diagram in mind while reading the documentation.

Every document in this series begins with the same architectural pipeline. The component described in that document is highlighted, allowing you to immediately identify its scope and understand how it fits into the complete MySirt ecosystem.

This approach provides a consistent architectural reference throughout the entire documentation set.

Core Terminology

The following core terms are used throughout the MySirt documentation and define the common vocabulary adopted in this series.

MySirt Model Execution Engine

The component responsible for transforming DEF models into Executable Information Systems.

MySirt DSL

The declarative language used to describe application domains.

DEF Model (.def)

The canonical textual representation of a MySirt application model expressed in the MySirt DSL..

Executable Information System

The executable system derived by the Model Execution Engine from a DEF model.

MySirtApp (Modeling Environment)

The authoring environment used to create and maintain MySirt models before they are transformed into the MySirt DSL for execution.