

# Whitepaper on Accounting Application Integration Framework



Ashwin Kandoi

Director



## Introduction

Accounting Application Integration Framework (AAIF) is a unique framework that is designed using Service Based Architecture. The framework is built on the premise

“Any off the shelf software caters to 80% of the requirements. The remaining 20% needs customization”

Accounting Application Integration Framework helps rapid development and deployment of the 20% customization missing in accounting software for a particular organization or company.

The white paper tries to demonstrate the ability to design accounting solutions using a unique concept of Service Based Architecture.

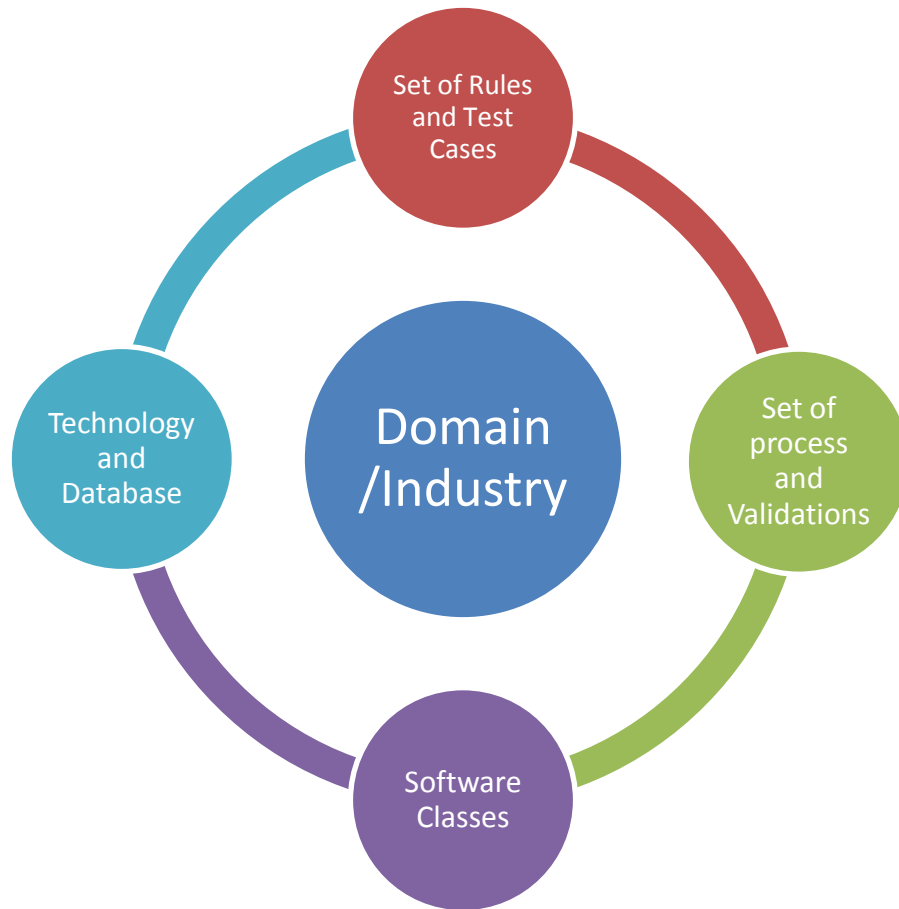


## Service Based Architecture – The Concept

Generally, during software development lifecycle, the architecture designed and developed focuses on the components to be used from a programmer's point of view. This approach is good for the software developer and helps to build a repository of reusable components. However it does not consider the processes associated with the industry or person for whom the solution was built.

Service Based Architecture tries to encapsulate the very processes associated with an industry thereby allowing the developers to build on the domain expertise gained while developing a solution. The processes may be of peculiar type and would be a mark associated with a particular domain or industry. The concept can be illustrated as follows:





Associated with a domain or industry would be the following components

- **Set of Rules and Test scenarios:** That evaluates the efficacy of the solution built for a particular domain or industry
- **Set of process and validation:** That undermines the backbone for the system and helps in understanding the process followed by the industry
- **Software Classes:** The relevant software classes that could be built upon and could be a specialized building block for the industry or domain
- **Technology and Database:** Based on the technology and database used, the entire process along with the rules would be mapped.

## Accounting Application Integration Framework – First Look

- **An unique framework for building accounting and financial solutions**

The Framework helps to build on the domain expertise gain in the world of Accounting for a developer

- **Platform to develop customized applications for accounting and financial needs**

Not only are software components reused but also the processes are mapped thereby allowing for easy customization

- **Interface to integrate various software tools**

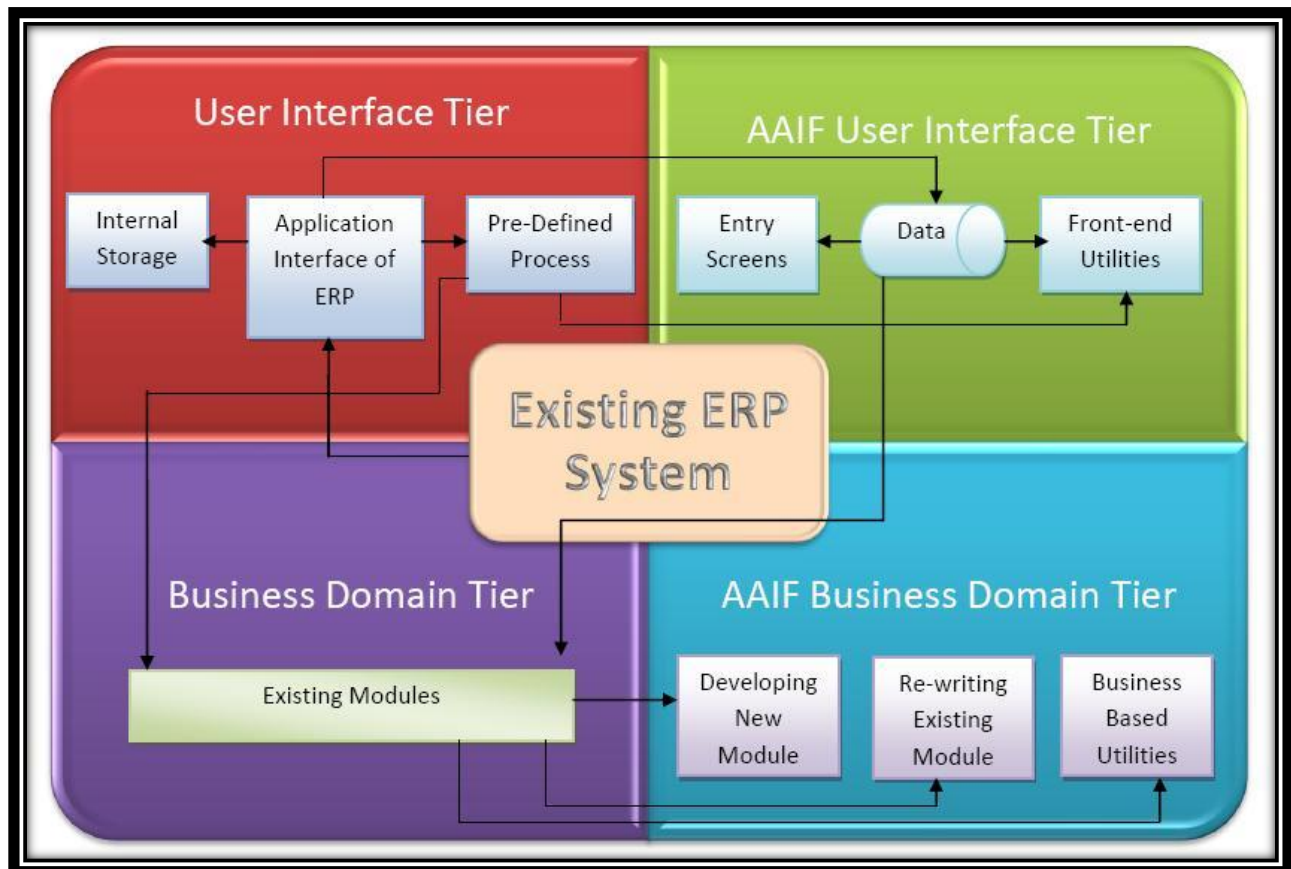
Based on the processes and rules associated with the Accounting domain, various software tools can be integrated for various needs of Accounting

- **Separates the User Interface and Logic Layer**

The process driven architecture helps to distinguish between the user interface and the core business logic thereby providing independence for developing the two layers.



The framework is illustrated as follows



## Features

- Solutions independently for User Interface and Business Domain Layer
- Solutions built can be embedded with the existing ERP System
- Application interface of the ERP system could be used to work with integrated modules
- Specific software solutions for specific needs could be built
- Easy customization and localization at the application layer