

Technical Solution Design Preparation Document



When designing a technical solution for a customer, you will perform a fit-to-standard analysis of the requirements of RenewAgra. By doing so, you will be able to translate business requirements into technical requirements based on the goals stated by RenewAgra. As you communicate and present your findings to the customer and receive feedback, you can update the Technical Solution Design till you incorporate all of the customer's feedback.

Tools and Products considered while creating Technical Solution Design (Task 2 – Activity 1)



Identify four tools / products you can use to design the Technical Solution for RenewAgra (including one Lifecycle Management tool). Explain in 1-2 sentences why you have chosen each tool.

Microsoft Azure: Azure provides a robust cloud platform that can host RenewAgra's applications and data, ensuring high availability, scalability, and security. It also offers services like AI and analytics to help EnvoData with its predictive models and CropCo with data analysis.

SAP S/4HANA: As RenewAgra already has EnvoData using the SAP S/4HANA suite, it may be beneficial to use this system across all businesses for consistency and standardization. SAP S/4HANA provides an end-to-end ERP solution that can streamline and optimize business processes across all RenewAgra's businesses.

Jira Software: Jira Software is an Agile project management tool that can help manage software development processes across different teams and businesses. It can provide transparency and traceability across teams working on different parts of the technical solution.

Atlassian Bitbucket: Bitbucket is a version control system that can help manage code and configurations across different teams working on the technical solution. It can provide version control and history tracking, and its integration with Jira Software can help streamline the development process.

GitLab: GitLab is an alternative to Atlassian Bitbucket that can also provide version control and code management for the technical solution. It includes features such as Continuous Integration and Continuous Deployment (CI/CD) pipelines that can help automate and streamline the development process.

I would also recommend using a Lifecycle Management tool like Atlassian's Jira Align or Microsoft's Azure DevOps to manage the end-to-end development and deployment of the technical solution, from requirements gathering to deployment and maintenance. These tools

can provide visibility across all teams and businesses, and help ensure that the solution is delivered on time, within budget, and with the desired quality.

Solution used for similar customers (Task 2 - Activity 2)



Document the following points based on the customer success story:

a) Customer information

b) Pain points

c) Technical solution

d) How the technical solution specifically addressed the pain points

a) Customer Information:

The customer is a global agribusiness company operating in multiple countries with over 100 processing plants, several transportation modes, and a vast logistics network. They grow cereals (primarily corn and wheat) and sugar (both sugar cane and sugar beets) and have three business units operating in different geographies.

b) Pain Points:

The customer was facing challenges due to their disparate data management systems across their three business units. They were using outdated systems, and data was stored in local offices or with individual engineers, leading to inconsistent data across the organization. This resulted in inefficiencies, lack of visibility into operations, and difficulty in making data-driven decisions. They needed a solution that would streamline their processes, provide real-time data, and allow them to optimize their operations while also reducing costs.

c) Technical Solution:

The customer implemented an SAP S/4HANA solution, which included SAP Fiori UX, SAP Analytics, and SAP HANA platform. This solution provided a unified platform for all three business units, allowing them to standardize and optimize their processes. SAP S/4HANA enabled the customer to achieve real-time visibility into operations, improved data quality, and faster decision-making capabilities.

d) How the Technical Solution Specifically Addressed the Pain Points:

The SAP S/4HANA solution addressed the customer's pain points by providing a single platform for all three business units, streamlining processes, and enabling real-time data analytics. The solution replaced outdated systems, providing consistent and clean data across the organization. The SAP Analytics module provided detailed insights into operations, allowing the customer to make data-driven decisions, while the SAP Fiori UX enabled users to easily access and manage information. Additionally, the solution helped the customer optimize their operations and reduce costs by enabling them to identify inefficiencies and opportunities for improvement. Overall, the technical solution helped the customer achieve their goals of standardizing processes, improving visibility, and optimizing operations, resulting in improved business outcomes.

Identifying and closing gaps (Task 2 - Activity 3)



Document three gaps and how to close each gap.

Gap	Solution
Outdated data management system	SAP S/4HANA
Face-to-face planning and communication with customers	SAP Transportation Management (TM)
Improvement in terms of data visualization and simulation	SAP Analytics Cloud

Incorporate Customer Feedback (Task 3 - Activity 1)



Identify regulatory and compliance requirements for RenewAgra. Review the case study and list two compliance / regulatory requirements that the customer might have.

Based on the information provided in the case study, two possible regulatory and compliance requirements for RenewAgra are:

Data privacy regulations: RenewAgra operates in multiple countries and may be subject to various data privacy regulations, such as the General Data Protection Regulation (GDPR) in the European Union, the California Consumer Privacy Act (CCPA) in the United States, and the Personal Data Protection Bill in India. RenewAgra must ensure that it collects, processes, and stores personal data in compliance with the applicable data privacy regulations.

Environmental regulations: RenewAgra's business involves agriculture and transportation, both of which can have significant environmental impacts. RenewAgra must comply with the environmental regulations of the countries in which it operates. For example, the company must ensure that it follows sustainable farming practices, minimizes its carbon footprint in transportation, and adheres to regulations on waste management and emissions control.

Incorporate Customer Feedback (Task 3 - Activity 2)



Use SAP Simplification List to understand the impact of converting from a previous implementation. Document the change with respect to 'HANA-based Analytics for Master Data Governance.' List the Description and the Required and Recommended action from SAP Simplification List.

Incorporate Customer Feedback (Task 3 - Activity 3)



Use SAP Fiori Apps Library to find apps that might match the customer's requirement. List two Fiori apps that might be useful for RenewAgra and the reasons for selecting these apps. Remember, customer wanted a simplified user interface from where both customer entities and partners can access data.

Based on the RenewAgra case study, here are two Fiori apps that might be useful for the customer:

My Sales Overview (SAP S/4HANA Sales): This app provides sales managers with an overview of their sales team's performance and sales data, enabling them to make informed decisions. With its simple, intuitive interface and real-time data updates, it could be an excellent tool for RenewAgra's sales team.

Manage Purchase Requisitions (SAP S/4HANA Sourcing and Procurement): This app enables users to create, view, and manage purchase requisitions from a mobile device, making it easier for employees to collaborate and stay on top of procurement processes. Given RenewAgra's procurement needs, this app could help streamline and simplify their purchasing workflows, while providing easy access to important data for both RenewAgra and its partners.

Managing customer requirements and feedback (Task 4 – Activity 1)



List two ways in which the SAP Solution Manager would help in the documentation of customer requirements while working on Technical Solution Design.

The SAP Solution Manager can help in the documentation of customer requirements in the following ways:

Requirements Management: SAP Solution Manager provides a central repository for managing requirements throughout the project lifecycle. This includes capturing, documenting, and tracking customer requirements, and their corresponding test cases. The requirements management functionality provides an end-to-end traceability of requirements from business processes to technical objects, ensuring that customer requirements are met.

Business Process Modeling: SAP Solution Manager includes a graphical modeling tool to document and visualize business processes. This tool helps to identify and document customer requirements by mapping out the current processes and identifying areas for improvement. It also allows for the creation of future-state process models to showcase how the solution will address the customer's needs.

Preparing for the Q-Gate (Task 5 - Activity 1)



Create a To-do List of implementation/configuration activities. List 3 To-do items and do the checks on feasibility and so on in the table format provided.

To do	Is it Feasible?	Does it meet the Timeline?	What are the Constraints?	MoSCoW Prioritization
A	Yes	Yes	Mgmt Objections	Must-have
B	Yes	No	Tight deadline	Should-have
C	Yes	Yes	Manpower	Could-have