IT Services & Solution Providers

Team of SAP Experts

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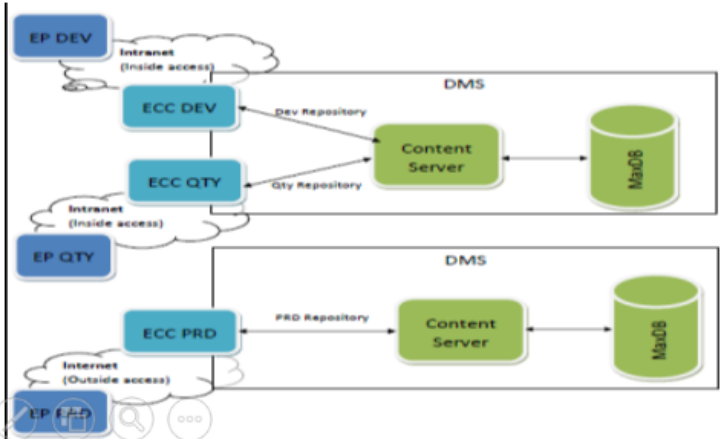
Case Study

SAP Process Optimization Project Kick –Off (Rollout) with Team 7

Project Scope

- We shall implement following functionality under the Project Scope,
  - PS Module enhancement in are of Scheduling, Costing, Billing and Activity Tracking.
  - DMS implementation to support the Document storage, retrieval, and ECM usage.
  - Budgeting and Allocation
  - Workflow required to ensure communication flow supporting business
  - Enterprise Portal for B2B and B2C and B2E communication through Process Orchestration , fully integrated with SAP at Backend.

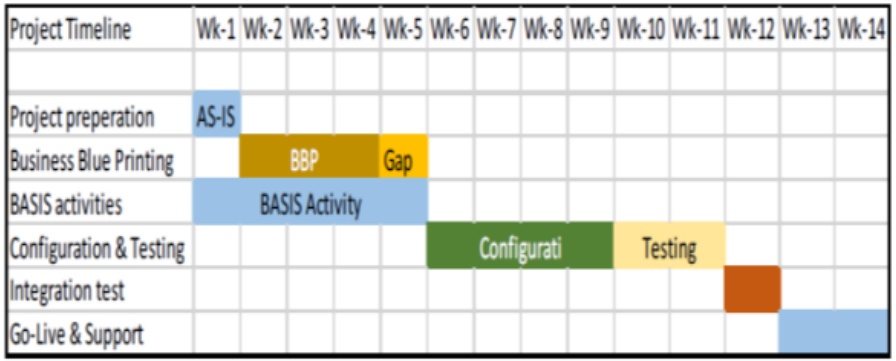
System Architecture



Solution Concept

- proposes to create integrated system landscape largely build on SAP platform
- The envisaged platform would be built on SAP, using SAP PS, FI/CO, DMS, Workflow, EP and Process Orchestration applications.
- The sub- modules to be activated are Project System, Budgeting, Allocation and Re-allocation & Document Management.
- The system will be enhanced in conjunction to existing SAP platform and thus all master data and transactions in the current system will be leveraged.
- Projects module will be configured to provide Budgeting, Allocation, Scheduling and Costing
- DMS(ECM) tool will be deployed to avoid data replication and easy access.
- Finance and Controlling modules and Sales and Materials modules of ECC would be accordingly enhanced to cope with new requirements and also function seamless with existing ones.
- Single sign on will be provided with EP and all stakeholders provisioning will be done on the same such as Customers and Vendors with limited access

Project Schedule



SAP S/4 Hana 1709 Migration Project Industry Pharmaceutical, With Team 8

Project Scope

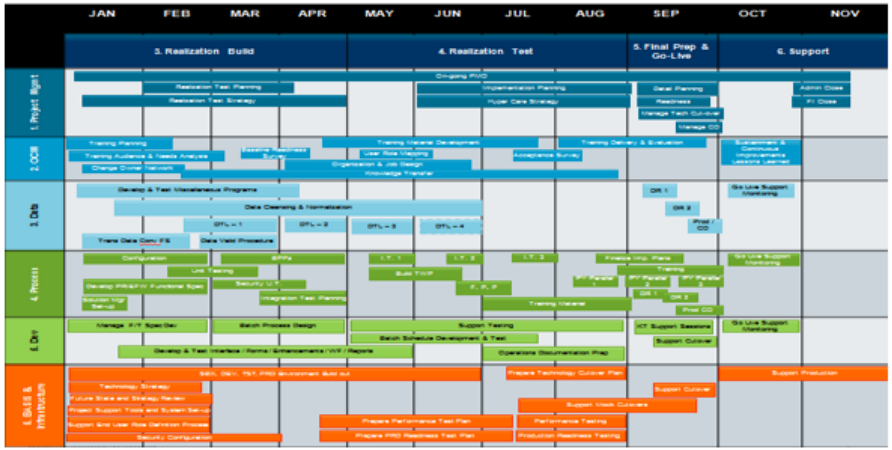
- The following activities will be in scope for data migration, and will be shared by <Client> IT team, business owners and Master Data team.
- Identification and detailed assessment of data objects in scope for migration, identification of source data repositories and specific ETL challenges associated with each object
- Developing and documenting data transformation and cleansing requirements and approach
- Defining and documenting functional and technical requirements for data load programs, including the description and sequence of activities, dependencies, critical path, business and IT owners for each data object.
- Developing and testing extract and upload programs
- Performing data migration
- Performing data and system validation

Data Migration Process

- **Reconciliation / Verification processes**
- Reconciliation process executed during dry runs and cut-over
- Practising reconciliation during dry run will validate that the complete Data Migration cycle can be completed within an acceptable "go-live" window.
- Reconciliation reporting elements include:
  - **Total record counts:** Comparing the number of records loaded to the target against the original legacy number of records and the number of rejected records.
  - **Hash Totals:** Totals will be compared against the expected total (legacy totals plus rejected record totals).
  - **Random Check**: Select number of legacy records and compare against uploaded records
  - **Organization Level Check**: counts of the number of employee records in each organization breakdown.
- **Post Migration Controls**
- As part of the establishment of the Data Governance structure data integrity measures will be established; at a minimum such measures must cover:
  - Accuracy of data
  - Completeness of data
  - Timeliness of data

  To be truly effective these measures must be applied to migrated data as well data that has yet to be migrated.

Schedule



Data Migration Process

- **Preparation and Data Discovery:**
  1. **Inventory of data sources**
     This will have largely been completed though the current Blueprint/Planning phase
  2. **Definition of extraction approach**
     This will cover the schedule of extraction, the resources required, the content and transfer medium of the extracted files
  3. **Data Discovery (AKA profiling)**
     This exercise will identify abnormalities in the source data, contribute to the identification of missing and duplicate data, identify business rules included in the data and finally help the client define the most appropriate data cleansing approach for each data element.
  4. **Mapping definition**
     During these activities, rules and specifications for the cleansing, augmentation and transformation of data from legacy source to the target solution.

  Activities 1 though 4 should be started during Business Blueprint, activity 4 requires the identification of the target solution.
- **Data Mapping:**
  - Data mapping sessions are conducting to map legacy data fields to SAP data fields in Energy path data mapping templates.
- **Data Cleansing and Preparation:**
  1. **Data Standardization**
     Identification of the various "representations" of the same data e.g. street address; followed by the specifications to apply a target acceptable standard
  2. **Missing Data**
     Identification of the data that the target requires and that is missing in the legacy environments; followed by the data derivation and/or augmentation rules
  3. **Incorrect Data**
     Definition and application of the rules that will be used to correct identified data.
  4. **Duplication**
     Though the application of the standardization (1), the identification of duplicate records across one or multiple legacy data sources is made easier, the de-"duplication" activities permit the definition of guidelines and rules to select the most appropriate record.

  Activity 2 requires the identification of the target solution.
- **Data Cleansing and Transformation:**
  5. **Matching and Consolidation**
     The data required to create a single target "record" will typically be found within multiple legacy sources. The definition and application of the matching and consolidation algorithms occurs at this point.
  6. **Enrichment**
     Some major elements need/desired by the target solution may simply not exist within the client. At this stage of the Data Migration stream such data would be added to the data stream.
  7. **Preparation**
     Cleansed, de-duped and completed data is presented as output for validation

  Activities 6 and 7 require the identification of the target solution.

  All of the above activities must share several common attributes:
  - Iterative Methodology : allows quick adjustments and re-execution
  - Reusability : allows the use of process across multiple data streams and implementation waves
  - Audit : allows verification of key corporate information, being represented accurately and that discrepancies can be reconciled.

  Transformation

  Final data mapping rules are applied. Ensure data is fit for Target System. This may entail splitting, concatenation or encoding of data and placing it into a target native record layout.
- **Data Loading:**
- Automatic Load : Data will be loaded in SAP using conversion programs by Data team.
  - Manual Load : Data will be keyed in SAP by identified Business Process Team.
  - Validation and Sign Off:
- **Data validation** is the process of ensuring that:
  - The number and attributes of extracted records match the number of records in the legacy system (i.e. all data in scope for extraction was extracted correctly, with all the required fields);
  - The converted (cleansed, transformed and/or constructed) data is accurate and complete based on the criteria defined by business at the data object and field level;
  - The loaded data in SAP matches the load file
  - Legacy data required for migration into SAP must be completely cleansed prior to the final data load in SAP with the aim to ensure the consistency and accuracy of the data.
- There will be two data validation steps:
  - Pre-Load (comparison of extracted data and data in legacy against the load files)
  - Post-Load (comparison of load files against loaded data in SAP)

Business Transformation Enablement (BTE) Project with an Integrated S/4HANA Solution

The SAP implementation replaced over 20 different legacy systems and products, empowering Client to move from lack of standardization and visibility into a single view for enhanced operational effectiveness

Quick Stats

Implemented in US and Sweden
Employees : 5400

ANTICIPATED BENEFITS

The implementation improved all major business functions across the value chain particularly in the Order-to-cash space where transportation management was totally manual process with little to no visibility.

SAP Technologies leveraged

SAP S/4HANA
SAP IBP, SAP Fiori
SAP HANA Enterprise Analytics
SAP Business Objects

The Issue

Client has experienced an increase in business complexity. To migrate impact, Client sought global unification through common work processes and standardized data. To reach that goal, however, the company needed to free itself of over 20 different legacy systems and products.

Key issues addressed :

Integrated SAP S/4HANA solution that provided enterprise-wide visibility, intelligence and optimized business performance and empowered Client to move to a single view for enhanced operational effectiveness.

The Solution :

SAP S/4HANA 1610 solution to review, Realization, implementation and support of across all business processes in the US and Sweden

Process Area :

Plan to Schedule, Contract to Cash,
Schedule to Ship, Source to Pay,
Design to Deploy,
Plant Maintenance,
Record to report,
Data Management

The Impact:

The Business Transformation Enablement (BTE) S/4 HANA implementation has provided a platform for global enterprise data across regions and business units, as well as variant configuration for improved customer quote response time.

The solution featured the latest-and-greatest of what SAP has to offer, paying the way for a long lifespan and future growth and innovation.

SAP/4 HANA Implementation Project – 1709 Industry – FMCG with Team 8

The Aspire program involved setting up the SAP Environment on Deloitte open cloud powered by AWS. This included providing end-to-end manage services ranging from cloud infrastructure to SAP Basis.
The team setup and configured a comprehensive High Availability and Disaster Recovery solution for SAP Applications as well as implemented security and compliance controls, leveraging Deloitte Open-Cloud Framework.

Quick Stats
Region : Canada, US

ANTICIPATED BENEFITS
S/4HANA 1709 would enable a single view of the enterprise, harmonized business processes and single truth of the master data across the enterprise along with Key insights around their KPI's

SAP Technologies leveraged

SAP S/4HANA 1709,
SAP Ariba Sourcing and Contracts,
SAP Ariba Guided Buying,
SAP Ariba Buying and Invoicing,
SLT, SAP PO, HANA EDW,
SAP Fiori (Including Mobile Apps),
SAP GRC

The Issue

The Client face challenges to grow and optimize their business processes on a 20-year old aging JD Edwards platform. To lay the foundation for the next generation of growth and transform the business, the client decided to reimagine their businesses optimize their enterprise structure and upgrade their ERP Platform to S/4HANA1709. S/4HANA1709 would enable a single view of the enterprise, harmonized business processes and single truth of the master data across the enterprise along with key insights around their KPI's.

Key issues addressed :
Finance and Indirect Procurement
Key Areas in scope were General Ledger, Accounts Receivable and Payables, Banking, Indirect Procurement and Tax

The Solution :

Deloitte Facilitated Greenhouse Lab Sessions and helped define business benefit KPI's for clients to use going forward and measure program success. Additionally Clients business processes were benchmarked against other food and beverage organizations to support clients objective to aspire to a higher standard.

Process Area :
Order to Cash
Supply Chain Management
Finance, Source to Pay

The Impact:

Supported the Enterprise through financial and real time-close

Enterprise-wide reporting and harmonized data

Cross-Company cash application

Rationalization of different entities

Enablement of self-service while purchasing through the Guided buying Platform

Electronic collaboration with vendors along with the realtime invoice status updates

Thank You