



Asset Data Management for The Energy Sector

SAP Consultancy Services

SAP consultancy is a go-to option when rolling out an ERP system or improving its performance. Keel has been accumulating consultancy experience for more than a decade covering various pitfalls that ERP usage gave our customers at multiple stages of its lifecycle. We are now, therefore, able to provide comprehensive SAP consultancy services backing up our solutions with qualified professional expertise.

Most of our customers use SAP, the top-tier ERP and a market leader that heavily invests into research, development and implementation of state-of-the-art solutions that can be utilized by the mouse click of the end user. However, many possibilities, numerous options, and the high complexity of implementation or usage make SAP system extremely perplexing to implement. This is where Keel Solution comes into play. We customize it to your business needs and show you how to use it in the most effective way.

Selection and Evaluation

SAP provides a wide range of data management software which can be grouped into several categories essential to consider for the ERP implementation:

- Database;
- Functional software;
- Auxiliary Software.

Database Selection

The database engine is the alpha and omega of the ERP and other business applications because all the business processes are revolving around data processing, which allows useful information extraction from the dataset or decision making regarding the next steps of the enterprise development.

Prior to picking a database for your future ERP, we conduct thorough research. This is needed because every database has its pros and cons from the usage perspective as well as economic factors such as pricing and operational costs. Moreover, sometimes the best solution can combine various databases; that's why it is important to consider the financial aspect.

We also take into account the peculiarities of your business, thus giving you the opportunity to test a few available options. For example, an enterprise can try out SAP software and then decide whether it's better to stick to the existing ERP or to get all the functionality of the top-tier state-of-the-art ERP.

ERP Selection

ERP software is the only software that can read, write, update and delete data in the database. This allows us to maintain the data integrity by having full control over the information.

SAP has the latest versions of the ERP which is S/4 HANA. However, budget-wise, for some companies it's a reasonable decision to pick one of the previous versions of the ERP software, including into the choice-list some additional options listed below:

- SAP S/4HANA;
- SAP ERP Central Component (ECC);
- SAP R/3.



Functional ERP Components Selection

SAP develops top-tier business applications for enterprises with resources spread all over the globe. Thus, SAP ERP has great scalability which is mainly resized by the functional components designed to cover the need of a single enterprise area. These functional components called modules and include:

- Human Resource (HR);
- Product planning (PP);
- Material Management (MM);
- Financial Supply Chain Management (FSCM);
- Sales and Distribution (SD);
- Project System (PS);
- Financial Accounting and Controlling (FICO);
- Plant Maintenance (PM);
- Quality Management (QM).

The purpose of the ERP component selection is to pick the Goldilocks set of modules that can cover all the needs of an enterprise without paying for unnecessary functions.

Thus, to advise the right collection of modules to pick, we analyze the business processes from the perspective of the number of operations and the time necessary to complete a business workflow. The result of the business process analyses helps us identify what activities require the most resources so they can be boosted up.

Extra Business Applications

SAP develops a range of software solutions that do not impact the ERP functionality directly but simplify and enhance the experience of running, customizing and using ERP. These products include but are not limited to:

Technical Modules:

- SAP Basis:
 - SAP Security;
 - Advanced Business Application Programming (SAP ABAP);
 - High-Performance Analytic Appliance (SAP HANA);
 - SAP NetWeaver;
 - Information Systems Management (SAP IS);
 - Customer Relationship Management (SAP CRM Technical module);
 - Exchange Infrastructure (SAP XI);
 - SAP Solution Manager.
- SAP Components:
 - SAP Business Warehouse (SAP BW);
 - SAP Advanced Planning and Optimization (SAP APO);
 - Salesforce Automation (SFA);
 - Internet Transaction Server (ITS).

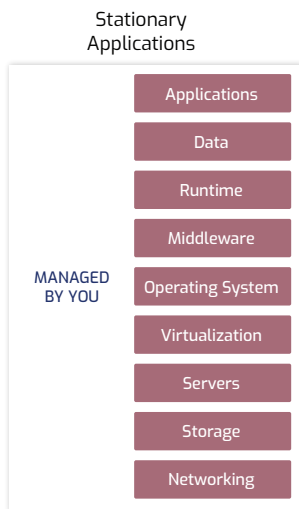
Each of the products in the list above provides several extra possibilities or simplifications for performing various operations. Thus, having done an analysis of your business flow, we advise on the inclusion or exclusion of certain components based on the economic and operational pros and cons.



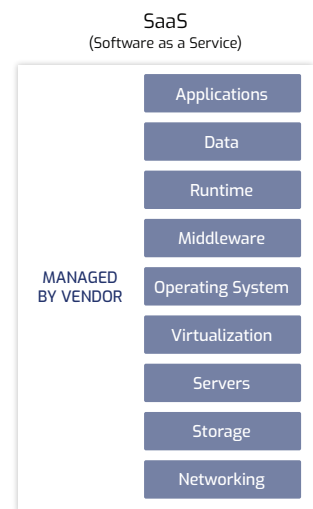
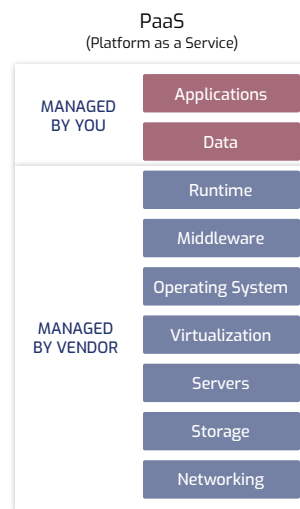
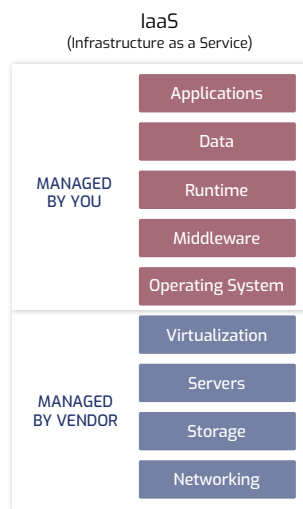
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ON-PREMISE



CLOUD-BASED



Infrastructure

It's necessary to have the hardware in order to run the software. However, we can assist you in selecting the most suitable technologies that would enable you to rent the hardware as well as outsource a part of the workload to eliminate the necessity of hiring additional personnel.

There are 4 (four) approaches of running or even renting the system each with a long list of pros and cons, and these methods are:

- Software as a Service (SaaS);
- Platform as a Service (PaaS);
- Infrastructure as a Service (IaaS);
- On-premise.

Integration

Keel Solution helps to integrate the system into a business process, be it an integration into the existing software or a custom developed solution designed to meet a specific set of needs. The integration of the system can be executed via various platforms, APIs and other technologies, some of which are listed below:

- Intermediate Documents (IDOC);
- ABAP Interfaces;
- Remote Function Call (RFC);
- Business Application Programming Interfaces (BAPI);
- Process Integration (SAP PI);
- SAP NetWeaver (for ECC);
- SAP Java Connector (JCo);
- 3rd party or custom connectors.



Each option of the software integration has its own unique set of pros and cons that are analyzed before the optimal one is found.

However, as the market supply grows, many analogs for every solution or product appear. Thus, by conducting additional research, Keel Solution can provide you with possibilities to substitute a solution with the one that is more suitable and affordable for a certain case.

With a proficient knowledge of the ERP system, our engineers will help you integrate the most optimal solutions into your ERP, thus ensuring efficient usage of the enterprise resources.



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