Technical Architecture

Introduction

What is Technical Architecture?

SAP IT Planning supports SAP customers in the technical design of a scalable, flexible, and maintainable SAP solution that fits to their specific business and/or IT requirements. Typical scenarios are:

- Customer plans to introduce a new hardware / OS platform.
- Customer plans to introduce a new virtualization technology in the SAP environment.

SAP IT Planning can support the design of the planned technical architecture, or run a review of a technical architecture which has been designed by the customer or a technology partner. Major topics which are typically discussed are:

- General SAP technical architecture
- Availability SLAs, DC strategy & HA/DR architecture
- IT infrastructure architecture
- Scalability and load balancing
- Software change management landscape

General Information

Technical Architecture - Sample Report
Whitepaper & Best Practices

- **SAP Productive System Strategy for Large Enterprises - White Paper (SMP logon required)**
  This document is a collection of observations with respect to productive system landscape strategies for large enterprises. It was built on the experiences the authors got from working with many SAP customers on landscape strategy topics, as part of their SAP MaxAttention engagements. The document contains an overview of the best practice landscapes and a procedure of how to get to a decision on the “right” landscape strategy.

- **SAP System Landscapes on Virtualization and Cloud Infrastructures - Best Practice (SMP logon required)**
  This document is a collection of best practices and building blocks for operating SAP systems on virtualization and cloud infrastructures. The main focus of this paper is on SAP on-premise applications operated on virtualization and cloud infrastructure technologies. You'll find architectural overviews, planning recommendations and information how to operate SAP systems on the various virtualization technologies.

- **Load Balancing Mechanisms and Strategies for SAP Systems - White Paper (SMP logon required)**
  This document is meant to be used in the integration validation phase or later, where the technical architecture of the SAP solution is designed and probably implemented already. The document will start with an explanation of the reasons - or better - the drivers that require to implement load balancing for an SAP system. Further, the different options to implement load balancing for different use cases and technologies is introduced.

- **Elements of a Software Change Management Strategy - Best Practice (SMP logon required)**
  This document is a collection of observations with respect to software change management. It was built on the experiences the authors obtained from working with large enterprises as part of their SAP MaxAttention engagements. The document contains considerations for how to design and improve the software change management processes and the transport landscape, and how SAP Solution Manager can improve automating tasks and controlling the process.

- **Enterprise Storage Architecture – Planning (SMP logon required)**
  With this document we would like to establish a common understanding with regard to the building blocks and physical components of an Enterprise Storage Architecture. If necessary, we will introduce a “normalized” naming of Enterprise Storage components to ease the comparison of certain vendor solutions.

- **BW NLS with Sybase IQ (SMP logon required)**
  Sybase IQ is designed to meet the growing (and diverse) organizational reporting and analysis needs. It is engineered to support large numbers of users and large amounts of data, and can deliver high-speed access to business information 10 to 100, or even 1,000 times faster than conventional relational databases.

Services

Technical Architecture - Service Information
High Availability and Disaster Recovery Implementation for SAP Systems Check List (SMP logon required)
Configuration and Maintenance of the Storage Infrastructure Check List (SMP logon required)