SOLUTION ARCHITECTURE

BY

K.GAYATHRI
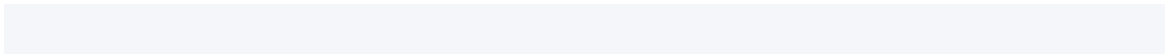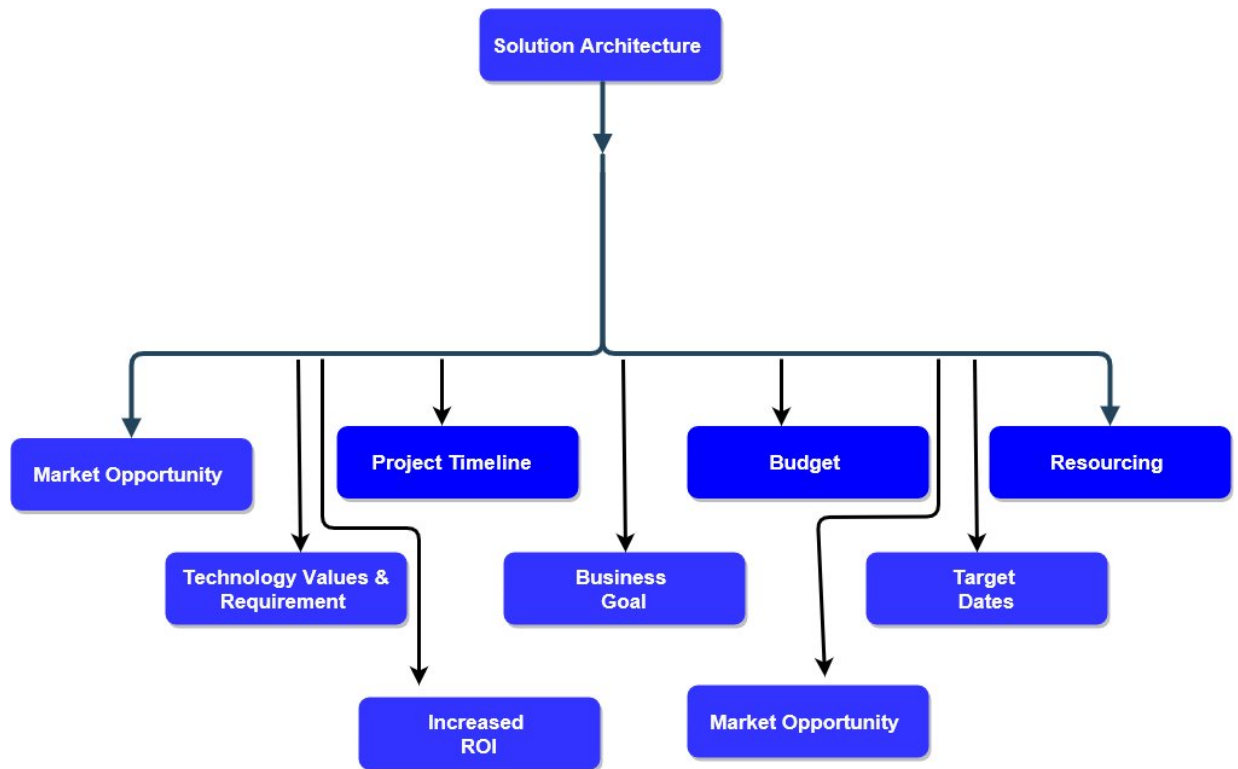
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SOLUTION ARCHITECTURE

Solution architecture provides the ground for software development projects by tailoring IT solutions to specific business needs and defining their functional requirements and stages of implementation. It is comprised of many subprocesses that draw guidance from various enterprise architecture viewpoints.

The benefits of solution architecture:

The previous section sheds light on the importance of solution architecture. This section will further explore and provide more details on the benefits of solution architecture in various aspects of an organization, as shown in the following solution architecture benefits diagram:

Technology value and requirement: Solution architecture determines the return on investment, which solution can be obtained by a particular technology selection, and the market trend. The solution architect evaluates which technology an organization or project should adopt in order to achieve long-term sustainability, maintainability, and team comfort.

Business goal: The primary responsibility of a solution architecture design is to accommodate the needs of the stakeholders and adapt to their requirements. Solution architecture...

EXAMPLE:

Business architecture

In this case, a solution architect maps out a solution to business objectives with the help of a [business capability map](#). These capabilities include items like usability, security, features, and functions of a solution and visualize how it can impact business outcomes.

Information architecture

Information architecture describes how a user interface is structured. To facilitate the use of an e-commerce website, a solution architect can propose a structure that makes the navigation intuitive and user-friendly (e.g., reducing the number of clicks needed to get from A to B).

Information security architecture

When introducing a new product or system as part of an IT solution, solution architects make sure that it fits into existing information security practices. How the project complies with each regulation is formally documented at the beginning of a project.

System architecture

The software as service (SaaS) culture has transformed the digital landscape and often demands a system overhaul. Solution architects use system architecture to design new software
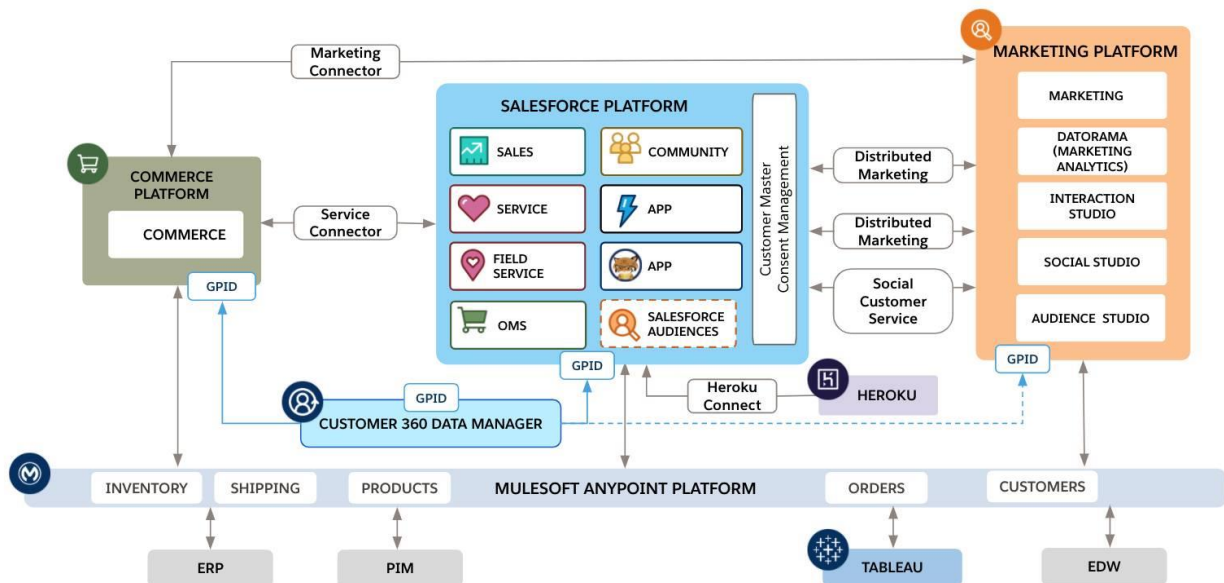
entities that automate processes. In their conceptual model, they also determine the placement and behavior of each software component.

Application architecture

Systems consist of single software tools or applications that people use to carry out their work. Solution architects rely on application architecture to create a map of all applications (usually in a layered structure) and how they interact with each other.

References

1. The Open Group. Architecture Framework TOGAF™ Version 9.2 Definitions page https://pubs.opengroup.org/architecture/togaf91-doc/arch/chap03.html
2. ^ https://www.glassdoor.com/Job-Descriptions/Solution-Architect.htm and https://www.glassdoor.com/Job/solution-architect-jobs-SRCH_KO0,18.htm, The job related site Glassdoor, August 2020
3. ^ *iwuu2tyui.scaledagileframework.com/system-and-solution-architect-engineering/ "Safe Agile on Solution Architect role". Scaled Agile Framework. Retrieved 18 August 2020.* {{cite web}}: Check |url= value (help)

Marketing Connector

MARKETING PLATFORM

SALESFORCE PLATFORM

COMMERCE PLATFORM

COMMERCE

Service Connector

SALES

SERVICE

FIELD SERVICE

OMS

COMMUNITY

APP

APP

SALESFORCE AUDIENCES

Customer Master Consent Management

MARKETING

DATORAMA (MARKETING ANALYTICS)

INTERACTION STUDIO

SOCIAL STUDIO

AUDIENCE STUDIO

Distributed Marketing

Distributed Marketing

Social Customer Service

GPID

GPID

GPID

GPID

Heroku Connect

HEROKU

GPID

CUSTOMER 360 DATA MANAGER

INVENTORY   SHIPPING   PRODUCTS   MULESOFT ANYPOINT PLATFORM   ORDERS   CUSTOMERS

ERP   PIM   TABLEAU   EDW

- Providing recommendations and roadmaps for proposed solutions
- Performing design, debug, and performance analysis on solutions
- Documenting and sharing best practice knowledge for new solutions
- Advocating for process improvements and helping develop solutions
- Regularly communicating new features and benefits to partners, customers, and other stakeholders
- Providing technical leadership to a team throughout the project lifecycle
- Developing proof-of-concept projects to validate your proposed solutions
- Reviewing and validating solutions designs from other team members