Table of Contents

Architecture

Integration Architecture

Integration architecture is a Software Architecture that facilitates the integration of multiple IT components.

- Service Oriented Architecture (SOA)
- Enterprise service bus (ESB)
- Representational State Transfer

*Snippet from Wikipedia: **System integration***

> **System integration** is defined in engineering as the process of bringing together the component sub-systems into one system (an aggregation of subsystems cooperating so that the system is able to deliver the overarching functionality) and ensuring that the subsystems function together as a system, and in information technology as the process of linking together different computing systems and software applications physically or functionally, to act as a coordinated whole.
>
> The system integrator integrates discrete systems utilizing a variety of techniques such as computer networking, enterprise application integration, business process management or manual programming.
>
> System integration involves integrating existing, often disparate systems in such a way "that focuses on increasing value to the customer" (e.g., improved product quality and performance) while at the same time providing value to the company (e.g., reducing operational costs and improving response time). In the modern world connected by Internet, the role of system integration engineers is important: more and more systems are designed to connect, both within the system under construction and to systems that are already deployed.

Creative Commons Attribution-Share Alike 4.0

Oracle Application Integration Architecture (AIA)

*Snippet from Wikipedia: **Application Integration Architecture***

> In computing, **Application Integration Architecture** (**AIA**) is an integration framework produced by Oracle Corporation.
>
> Standards-based, AIA has pre-built common object definitions and services. Oracle AIA is built on Oracle Fusion Middleware's SOA and Business Process-Management (BPM) products.
>
> AIA provides a foundation on which to build business-process flows. AIA delivers Pre-built Integrations as either Direct Integrations (DIs) or Process Integration Packs (PIPs).

- **Direct Integrations (DIs)**: Pre-built integrations that manage data flows and data synchronizations between Applications.
  - **Process Integration Packs (PIPs)**: Help optimize processes; they are pre-built composite business processes across enterprise Applications. They allow companies to get up and running with core processes quickly. AIA and PIPs decrease software development time. PIPs operate both horizontally and vertically. Vertical PIPs cater to industries like telecoms, retail, and banking/insurance.

[Creative Commons Attribution-Share Alike 4.0](#)

External links:

- https://www.techopedia.com/definition/30625/integration-architecture
- https://www.sciencedirect.com/topics/computer-science/integration-architecture

Architecture Articles

A

- [Agile Architecture](#)
- [Application Architecture](#)
- [Architectural Runway](#)
- [Architecture Lifecycle](#)

B

- [Business Architecture](#)

C

- [Cloud Architecture](#)

C cont.

- [Composable Architecture](#)

D

- [Data Architecture](#)
- [Digital architecture](#)

E

- [Enterprise Architecture](#)

I

- [Information Architecture](#)
- [Integration Architecture](#)

S

  - Security Architecture
  - Software Architecture
  - Solution Architecture
  - System Architecture

T

  - Technology Architecture

From:
https://almbok.com/ - **ALMBoK.com**

Permanent link:
https://almbok.com/architecture/integration

Last update: **2022/08/10 06:22**