

Oracle Application Integration Architecture (AIA) Does It Deliver On It's Integration Promise?

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Introduction

A typical Information Technology department in an organization undergoes many transformations in response to the needs of the business which drives it. In a business looking to stay ahead of its competition, change is the only constant. What we see as a result of such an evolution is the existence of disparate enterprise-class IT systems which have been inducted into the organization at various points in time to satisfy the most important business requirements at the time.

These systems could be based on different platforms, procured from different vendors, or custom built. Given the torrid pace of globalization, some of these systems maybe located in different geographies and with outside partners. No matter how good a system may work standalone, it is rarely designed with integration in mind.

Enterprise integration is the task of making disparate systems work together to produce a unified set of functionality.

Integration is important because if applications are to continuously deliver value in the face of ever changing business landscape, they cannot live isolated from each other. We need techniques that allow us to take applications that were never designed to interoperate and break down the stovepipes so we can gain a greater benefit that the individual applications can offer us. It also allows us to deliver substantial value to the business by integrating functionality into more useful services.

Various technologies have been around that promise to solve the integration puzzle. Today we will look at one of such technology, Oracle's Application Integration Architecture (AIA), designed to solve the problem of integrating the various disparate Oracle applications that have mushroomed in the enterprises all around the world.

Integration Patterns

If we could anticipate our future business requirements and somehow designed a system which could incorporate all future requirements as they came up, we wouldn't be talking about integration. The stark reality, however, is that we almost always can't anticipate our future business or integration needs. This has given rise to multiple classes of enterprise applications and dozens of different ways to integrate them.

Oracle Aia Developer Guide

Tao Wei



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