GEFEG
Passion for Standards

Use Cases

Enterprise Application Integration (EAI)

GEFEG mbH

Storkower Straße 207

10369 Berlin

Germany

+49 - 30 - 979914-0

info@gefeg.com

www.gefeg.com

GEFEG at LinkedIn

Status: July 2023

Contents

Enterprise Application Integration - International company growth with a harmonized software landscape and an efficient supply chain

Babylonian relationships in the communication of business software Babylonian relationships in the communication of business software

In companies, different heterogeneous applications are often applied to control the company and communicate with customers and suppliers. The different isolated applications must exchange information in order to support the entire value chain. With only 10 software packages, more than 50 interfaces are already possible. Often there is also a requirement to integrate new companies with existing IT into a company.

High costs

The development and maintenance of the different integrations is extremely complex and error-prone. The same information has different names. Changes to the entire system are costly and often lead to undesired side effects and errors. Large companies often speak of a "mapping industry".

Cost savings

By using GEFEG solutions, immense cost savings can be achieved. The core of the solution is always the definition of a uniform interface for all applications. All applications are later connected via this interface.
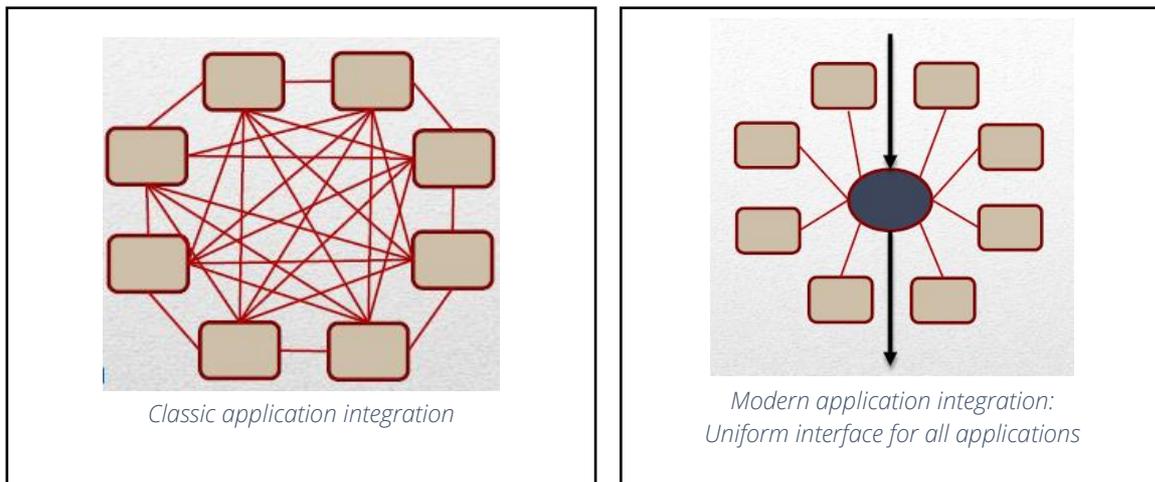
Customized solution

By applying the concept, companies retain control over the communication of their applications, regardless of the system through which the data is later exchanged.

Enterprise application integration with GEFEG solutions

Definition of the uniform application interface

The first step in using the concept is to define the interface that all future communication applications should use. This involves harmonizing data in order to standardize terms and align information.

Classic application integration

Modern application integration: Uniform interface for all applications

Publication of the uniform application interface

Once the uniform application interface has been defined, publications are generated in different formats. These publications are the basis for maintaining the respective applications.

Validation of application data

Test data generated from applications can be checked for correctness.

Advantages

With GEFEG software, all interface information is stored centrally and visible to all parties involved

How do you define a common data model for a company? This can either be done with a standard that already exists in GEFEG.FX, or completely on the basis of your own definitions. Glossaries, manuals or technical specifications can then be created based on the captured structures, which are then made available in different languages to the participating employees in the company. In addition, the structures of the uniform interface are compared with the respective applications. Data harmonisation can be carried out as part of this comparison.

Simple onboarding

After capturing the company-wide data model and implementing the adaptations in the respective software programs, the onboarding solution GEFEG.Portal supports the quality check with the validation of data. Errors are thus detected early, shortening development time and troubleshooting before live operation. This relieves the IT departments and leads to further cost reduction.

Maintenance and Support

The software landscape of a company is changing. Application systems are added or removed. Interfaces of application systems change. Definitions created with GEFEG.FX can easily be adapted. Different versions of the structures can be easily compared at any time.

Application integration at Boeing

Boeing used GEFEG solutions to implement an enterprise messaging architecture to harmonize and standardize the message vocabulary used in all business units.

In this use case, the basis of the central interface is a standard: OAGIS.