



Java in the world of Software AG

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History of the Software AG

- **1969**

The concept for an adaptable and extremely versatile database management system grows out of extensive experience gained from data processing applications and the development of the first software products.

- **1971**

Adabas (adaptable database system) is launched for the first time. Adabas is a high-performance database that provides the users with the information they need quickly and flexibly.

- **1973**

Software AG's first user conference takes place in New York with ten participants in attendance. Over the next few years, Software AG product users form user groups in Germany, the USA and a host of other countries

- **1976 – 1979**

Development and release of Natural. This is an application programming language that makes it much more economical for individual customers to create data processing applications. The product got its name because it supports the natural working method of the developer.

History of the Software AG

- **1987**

Software AG directs its product strategy towards open integrated software architecture (Open ISA). ISA provides the basic architecture for developing new functions in an integrated way, allowing users to make use of new technical possibilities without making major changes to their existing application systems.

- **1988-1997**

Growing market share worldwide.

Adabas is now running in different systems – Mainframe, DEC/VAX computers, UNIX etc

The JDK 1.0 was released in 1996

- **1998**

Software AG introduces Bolero, a software platform for e-commerce based on Java technology. At 1.2 million lines of Java code, Bolero is one of the largest Java applications in this time.

- **2000**

Software AG introduces the Tamino XML Platform – the world's first product platform entirely based on XML.

History of the Software AG

- **2007**

Software AG successfully acquires webMethods, Inc. (NASDAQ: WEBM) a leading business integration and optimization software company. With a deal value of \$546 million, this merger was one of the largest pure software deals in the history of the European IT industry. The combination creates a new global leader in business infrastructure software with over 4,000 enterprise customers worldwide and is one of the largest independent vendors in the rapidly growing Service-Oriented Architecture (SOA) and Business Process Management (BPM) markets.

- **post 2007**

Acquiring various products over the years.

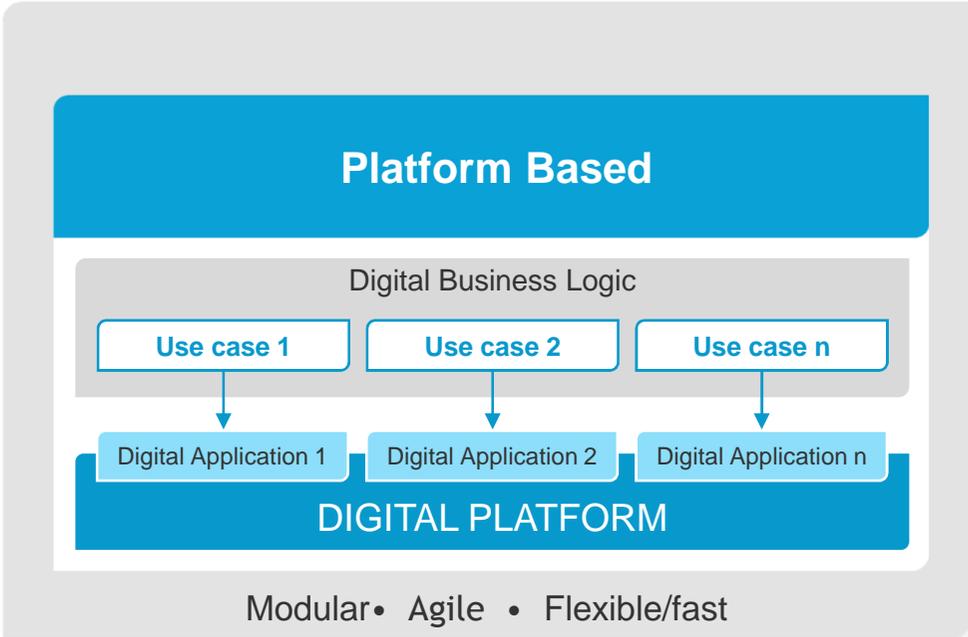
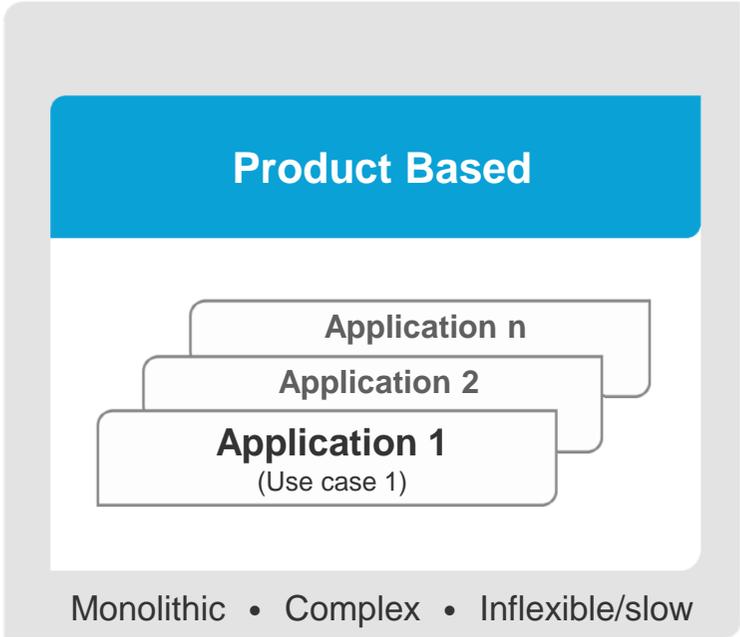
PERIOD OF ACQUISITIONS



CHALLENGES WE HAVE TO FACE

- Increase repeatable patterns across the product range
- Minimize different solutions of the same problems: launching, class loading
- Reduce cost of maintaining redundant implementations
- Avoid fragmented runtimes with a variety of interconnected configurations

Software AG Common Java Platform



Software AG Common Java Platform (2010)

We need of reliable modular system allowing dynamic provisioning and dependency management across different components.

➤ Create internally

- Time to Market
- Risk of failure

➤ JEE Based

- Constrained programming model

➤ OSGi Based

- ✓ Modular architecture and effective approach to normalized platform
- ✓ Component inventory naturally created from bundle dependencies

Jigsaw was started at 2008 but 2 years late still not clear about its future .

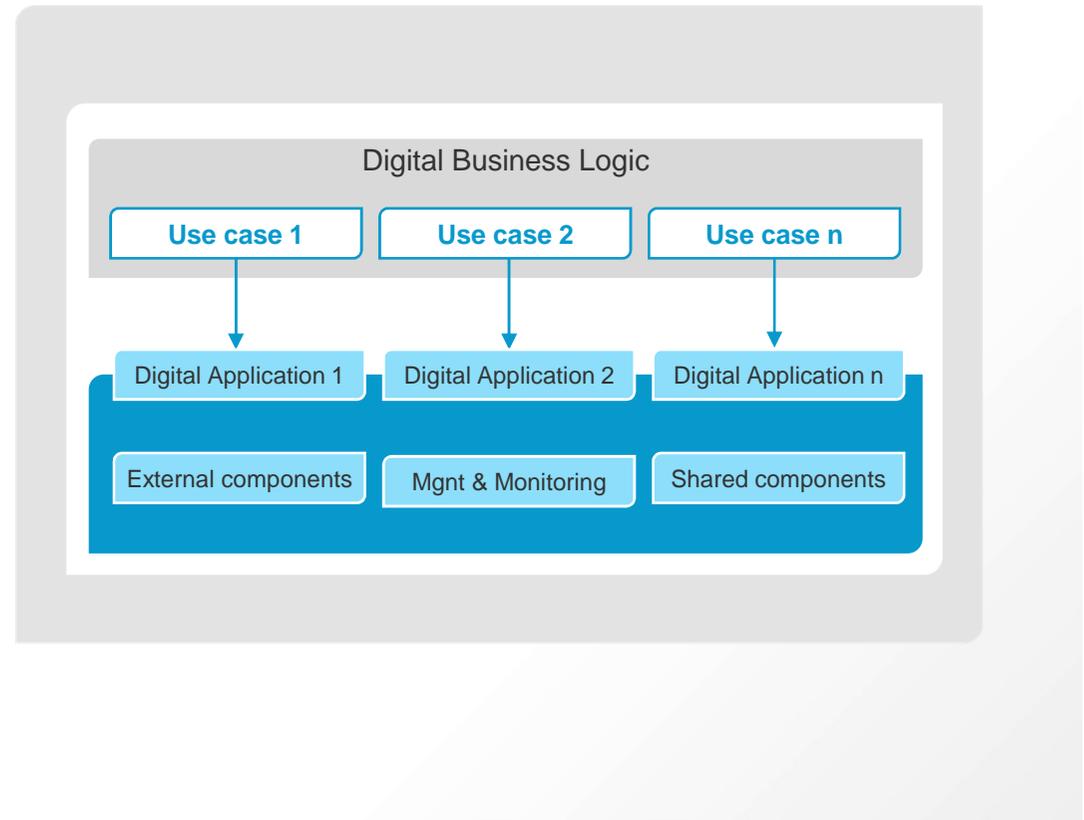
Our choice was to build the platform based on OSGi.

OSGi as a basis of Common Java Platform

- *Building dynamic runtimes*
- *Sharing functionality*
- *Integrating external components*
- *Building common patterns across products*
 - ✓ *Configuration*
 - ✓ *Monitoring*
 - ✓ *Management*
 - ✓ *Logging etc.*

OSGi – Java open points

- *Java Service provider*
- *Java Module Systems*



Java Platform in a basis of Digital Business Platform

