

The certification body of TÜV Informationstechnik GmbH
hereby awards this certificate to the company

SAP AG
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to confirm that its software product

SAP Business ByDesign,
Feature Pack 2.0 as of 2009-03-27

fulfils all requirements of the product specific document
“Checklist – Enterprise SOA for Business ByDesign Solution,
Version 2.1” and the criteria

Trusted Product SOA, Version 2.1

of TÜV Informationstechnik GmbH. The requirements are
summarized in the appendix to this certificate. The appendix is
part of the certificate and consists of 4 pages.

The certificate is valid only in conjunction with the corresponding
evaluation report until 2011-08-31.



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Certificate Registration No.:
TUVIT-PQ6116.09

Essen, 2009-08-03

Dr. Christoph Sutter
Head of Certification Body

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Certificate

Evaluation report and checklist (in German)

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- “Prüfung des Produkts SAP Business ByDesign Feature Pack 2.0 als TÜViT Trusted Product SOA für die SAP AG”, Version 1.0 as of 2009-06-30, TÜViT GmbH.
- “Checklist – Enterprise SOA for Business ByDesign Solution”, Version 2.1 as of 2008-11-01, TÜViT GmbH.

Criteria and scheme

- “Evaluation Criteria – TÜViT Trusted Product SOA”, Version 2.1 as of 2008-09-01, TÜViT GmbH.

Target of Evaluation (ToE)

The ToE “SAP Business ByDesign, Feature Pack 2.0” consists of the components:

- SAP Business ByDesign and
- SAP Application Platform

which are defined by the evaluated Feature Pack as of 2009-03-27.

Summary of the applied checklist

The specific “Checklist – Enterprise SOA for Business ByDesign Solution” was derived from the Evaluation Criteria for the purpose of evaluation. It consists of the following evaluation areas for Enterprise Service Architectures (ESA):

- **ESA Enterprise Service Enablement (ESA_ESE)**
All business functionality in the software component is structured reasonably and service enabled.

- **ESA Model-driven Development (ESA_Mod)**
ESA products support model-driven implementation of applications from business requirements to final runtime deployment.
- **ESA Productivity (ESA_Prod)**
The product supports optimized user interfaces.
- **ESA Deployment (ESA_Deploy)**
Flexible deployment is achieved by grouping together functionally related and by decoupling functionally unrelated components (Deployment Units).
- **ESA Configuration (ESA_Config)**
The product allows fast, comprehensive, and consistent business driven configuration based on a model-driven architecture.

The specific checklist is published together with the certificate on the web page of the certification body.

Summary of TÜViT Trusted Product SOA Criteria

1. Service Enablement

- **Accessibility of business functionality**
All business functionality advertised by the product can be accessed and used via a service interface. Service descriptions are stored in a central repository.
- **Use of accepted standards**
The service interfaces use accepted standards for service description and invocation (for example WSDL, SOAP).

2. Business Architecture

- **Thorough business oriented requirements engineering**

The product manufacturer applies state of the art methods to assure that all relevant business requirements were gathered, documented and implemented in the product.

- **Existence of a meaningful business architecture behind the services**

Based on requirements engineering, the manufacturer designed, implemented and published a suitable business architecture behind the service interfaces.

- **Systematic reuse of basic components and master data within the system**

The product architecture promotes the reuse of basic components and master data to improve functional testing and to simplify product maintenance.

3. Software Quality

- **Thorough testing of the whole product and its components**

The manufacturer applies state of the art quality assurance methods to test the product functionality. The test concept describes the test cases necessary to test the business functionality of the product. All tests are documented and end with the expected result.

4. System Deployment

- **Scalability and extensibility of the product and its components**

The business transaction throughput of the product can be increased when additional hardware is added to the setup. Product operators can extend the product with their own data fields, user interfaces and services.

- **Easy configuration, setup and adjustment**

The configuration allows a productive setup of the product to be finished within few days. An easy-to-understand user interface allows the administrator to fine-tune the running product.

- **Model-based extension of business functionality**

The product is realised using a model-based architecture approach. The customer can extend business functionality with model-based development tools and procedures.

- **User interfaces optimised for business process support**

The user interfaces were developed based on state-of-the-art methods for usability engineering and involved end users in requirement gathering and design phases.