

SAP NetWeaver



# SAP NetWeaver™

THE BEST-RUN BUSINESSES RUN SAP



## **POWERED BY SAP NetWeaver™**

The SAP NetWeaver™ technology platform is a comprehensive integration and application platform that helps reduce your total cost of ownership (TCO). It facilitates the integration and alignment of people, information, and business processes across organizational and technological boundaries. SAP NetWeaver easily integrates information and applications from virtually any source. It interoperates with and can be extended using the primary market technologies – Microsoft .NET, Sun's J2EE, and IBM WebSphere. SAP NetWeaver is the technical foundation for mySAP™ Business Suite and SAP® xApps™ and ensures maximum reliability, security, and scalability, so your mission-critical business processes run smoothly. This Web services-based platform offers a comprehensive, tightly integrated set of capabilities. And by providing preconfigured business content, SAP helps reduce the need for custom integration and lowers your TCO. SAP NetWeaver takes you into the future by laying the foundation for innovative cross-functional business processes that help your company grow.

## **BUSINESS DRIVES TECHNOLOGY: SAP FUELS THE NEXT BOLD MOVE IN SOFTWARE**



Today, enterprise computing is undergoing a major shift. If your company is like most, your value network has extended to include a broader set of participants, driving the need to increasingly integrate your customers, suppliers, partners, and systems. Dynamic new market forces are compelling your company to take action and make decisions faster. At the same time, your IT organization is seeking to lower the total cost of ownership of your IT systems and to leverage existing investments while mastering your heterogeneous system landscape.

These forces have shaped the requirements for new business solutions. Organizations like yours need business processes that are more flexible and extensible than ever before. You also need solutions that fully integrate people, information, and business processes – and that have the lowest possible total cost of ownership.

SAP fulfills all these needs with the Enterprise Services Architecture blueprint and the SAP NetWeaver™ technology platform.



# SAP NetWeaver: UNIFYING AND ALIGNING PEOPLE, INFORMATION, AND BUSINESS PROCESSES FOR LOWER TCO

## ENTERPRISE SERVICES ARCHITECTURE: TAKING WEB SERVICES TO THE NEXT LEVEL

Enterprise Services Architecture combines SAP's proven experience in building business solutions with the flexibility of Web services and key open technologies – creating a blueprint for flexible and extensible business solutions in heterogeneous IT landscapes.

Enterprise Services Architecture is also a blueprint for complete business integration. Regardless of the functional or technical barriers and isolated applications that may have grown up over time in your company, Enterprise Services Architecture brings back flexibility, allowing you to design complete solutions that span all people who participate in your value chain, all information that is relevant to you, and all systems that are involved for each business process or problem. This means that you can now respond to workers' needs for business processes that are driven by collaborative, knowledge-based, and team-based processes rather than by isolated applications. These cross-functional processes can be realized with SAP® xApps™ packaged composite applications that snap onto your existing IT systems.

The Enterprise Services Architecture blueprint fulfills SAP's commitment to meet your needs for open, integrated, and flexible business solutions. All SAP solutions and some solutions from SAP partners are being designed in accordance with the Enterprise Services

Architecture blueprint. The powerful foundation that drives solutions based on Enterprise Services Architecture is the SAP NetWeaver platform.

## A COMPREHENSIVE INTEGRATION AND APPLICATION PLATFORM

Your company undoubtedly recognizes the value of an integrated business and wants to benefit from it. However, integrating heterogeneous systems remains a key challenge for your IT organization. To tie disparate systems together in single, point-to-point integration projects is costly and results in an increasingly rigid IT environment. To reduce complexity and cost, you need a single platform that integrates all people, information, and business processes. That platform is SAP NetWeaver.

SAP NetWeaver is a comprehensive integration and application platform that lowers your total cost of ownership. It unifies and aligns people, information, and business processes across technologies and organizations. SAP NetWeaver is an integrated platform based on Web services and – besides delivering the technology you need – is preconfigured with business content. And unlike other platforms, SAP NetWeaver is interoperable and extensible with both Microsoft .NET and IBM WebSphere and supports Java 2 Platform, Enterprise Edition (J2EE).

These qualities significantly reduce your total cost of ownership (TCO) – not only for SAP solutions, but also for your entire IT landscape. SAP NetWeaver helps you get more from your current IT investments today – and is the foundation for innovative cross-enterprise processes in the future.

SAP NetWeaver is the foundation for all SAP solutions – including SAP xApps composite applications, mySAP™ Business Suite solutions, SAP® R/3® Enterprise, and selected partner solutions.



# BUSINESS-READY INTEGRATION AND INTEROPERABILITY FOR LOWEST TCO

## BUSINESS-READY INTEGRATION

SAP NetWeaver enables complete business integration on all relevant levels. SAP NetWeaver integrates people by bringing the right functionality and the right information to the right people. It integrates information by making both structured and unstructured information available in your enterprise in a consistent and accessible manner. And SAP NetWeaver integrates processes, so your business processes run seamlessly across heterogeneous IT landscapes.

SAP NetWeaver provides not only the latest integration and application technology, but also valuable preconfigured business content. This ready-to-use, integrative content is in all levels of SAP NetWeaver and dramatically shortens your implementation time, thereby accelerating your return on investment. Business content delivered with SAP NetWeaver includes, for example, preconfigured portal content and roles for boosting people integration; reports and analysis that speed information integration; and interfaces for weaving together the business processes of your various back-end systems.

## OPEN AND EXTENSIBLE FOR ADAPTABLE BUSINESS

Solving the integration problem is not simply a matter of technology. It is also a business challenge, because new market dynamics demand that your business be adaptable. Enterprise Services Architecture is the blueprint that enables flexible and extensible business solutions, such as SAP xApps composite applications. SAP NetWeaver is the engine that drives solutions based on Enterprise Services Architecture and is the foundation for the SAP xApps portfolio, meeting your needs for flexibility and future proofing.

SAP NetWeaver is fully interoperable and extensible with IBM WebSphere and with Microsoft .NET. If your company is like most, you're likely to have ample investments in both these technologies. SAP is committed to ensuring interoperability with IBM and Microsoft solutions and to cooperating in development strategies, field engagements, and competency and support centers. SAP NetWeaver interoperates with IBM and Microsoft solutions on the levels of people, information, and business processes – which means you get the most from your existing IT investments in these systems and skills and makes SAP NetWeaver your safest choice.

## LOWER TCO AND HIGHER RETURN ON INVESTMENT

With SAP NetWeaver, you get higher return on investment (ROI). SAP NetWeaver integrates your current IT investments, so you can extract more value and business insight from systems that are already running in your enterprise.

SAP NetWeaver reduces the cost of integration. SAP NetWeaver makes lengthy and costly point-to-point integration projects unnecessary. And using a single, comprehensive platform makes your integrated IT landscape more flexible and minimizes your integration costs.

SAP NetWeaver supports the complete life cycle of your mission-critical applications with the lowest-possible total cost of ownership. SAP NetWeaver takes full advantage of SAP's more than 30 years of experience in delivering robust enterprise solutions. You benefit from high scalability, continuous uptime, high levels of security, software manageability, and extensibility. Together, these benefits significantly reduce your TCO throughout the life cycle of your enterprise solution.

## SAP NetWeaver KEY CAPABILITIES

The following key capabilities, all completely based on open technology and standards, make SAP NetWeaver a powerful integration and application platform:

- **Portal infrastructure** – Gives workers unified, personalized, and role-based access to heterogeneous IT environments. Increases the efficiency of business processes spanning customers, suppliers, partners, and employees.
- **Collaboration** – Promotes dynamic and cost-effective communication among teams and communities. Includes virtual collaboration rooms and real-time collaboration tools such as news, chat, team calendar, application sharing, and document stores.
- **Multichannel access** – Permits access to enterprise systems using mobile devices and voice systems, allowing you to extend your business processes to wherever you conduct your business.
- **Knowledge management** – Manages and makes accessible unstructured information such as text files, slide shows, or audio files. Includes integrated search, content management, publishing, classification, and workflow capabilities, as well as an open framework for third-party repositories.
- **Business intelligence** – Enables organizations to integrate, analyze, and disseminate business-critical information. Includes a robust suite of tools for creating and publishing customized, interactive reports and applications, which supports your decision making at every level.
- **Master data management** – Promotes information integrity across the business network in heterogeneous IT environments. Provides services to consolidate, harmonize, and centrally manage your master data, including business partner information, product masters and structures, and technical-asset information.
- **Integration broker** – Enables eXtensible Markup Language (XML) and Simple Object Access Protocol (SOAP) communications between application components from heterogeneous sources. Defines software components, interfaces, mappings, and content-based routing rules based on open standards.
- **Business process management** – Allows the modeling and driving of business processes in a dynamic IT environment. Permits underlying applications to be combined into adaptive, end-to-end processes spanning the entire value chain.
- **Application platform** – Supports J2EE and the ABAP™ programming language in a single environment. Provides independence from existing databases and operating systems, full support for platform-independent Web services and business applications, and an open, standards-based development environment.
- **Life-cycle management** – Provides comprehensive technology for managing all stages of the software life cycle – from design, development, deployment, implementation, versioning, and testing through ongoing operations such as administration and change management.
- **Composite application framework** – Provides the development environment for building SAP xApps composite applications. Contains the tools, methodology, rules, and patterns that allow SAP and its partners to develop SAP xApps composite applications efficiently while taking advantage of all integration layers.



# WHY SAP NetWeaver?

## FEATURES

## BENEFITS

Business-ready integration

- Delivers complete business integration of people, information, and business processes
- Enables new, cross-functional composite applications such as SAP xApps composite applications
- Contains preconfigured, ready-to-use, integrative business content to speed implementation and ROI

Open and extensible

- Provides the technical foundation for Enterprise Services Architecture, the blueprint that builds on SAP's more than 30 years of enterprise application experience while taking advantage of flexible Web services and key open technologies
- Is completely based on open technologies and standards
- Provides full interoperability with Microsoft .NET and IBM WebSphere, protecting your investments in those technologies

Lower TCO

- Integrates your existing IT investments so you can extract more value and business insight from the systems you already have in place
- Provides integration at lower cost by reducing the number of connections needed to integrate IT systems
- Supports the complete software life cycle of mission-critical applications with the lowest possible TCO

A clear road map

- Powers all SAP solutions and selected partner solutions as the technical foundation from this point forward



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