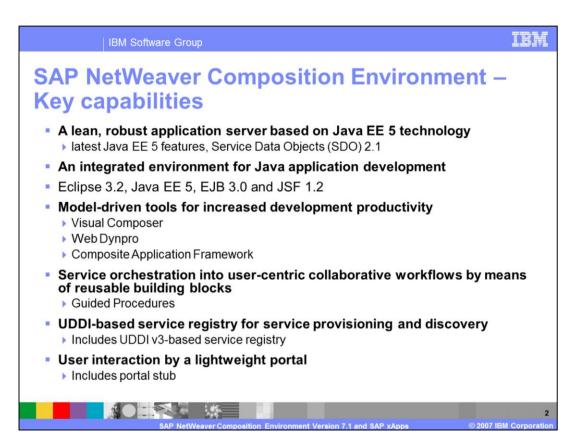


Welcome to the SAP NetWeaver Composition Environment presentation as part of the SAP Integration Workshop. This presentation will discuss the SAP tools to generate xApps, combined with an explanation of the xApps and the general service idea. Finally this presentation will discuss the xApps that are already available in the market.



Here is a short summary about the key capabilities of SAP NetWeaver Composition Environment.

The environment is based on JavaEE 5 technology and deliverers an integrated environment to develop applications based on this API version.

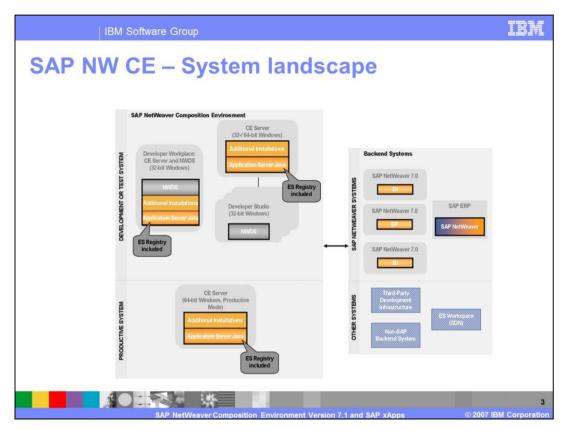
This development environment is Eclipse 3.2 based and supports the actual versions of Java, EJB and JSF.

The offering includes different model-driven tools to increase the productivity in different working scopes. The visual composer is more business driven and a tool to easy assemble services in a visual editor. The Web Dynpro environment offers more possibilities to work with code and build a specialized solution. Last the Composite Application Framework is focused on the build of reusable applications and services.

These collaborative workflows are called "guided procedures" and are again reusable services for other processes.

The CE includes a UDDI version 3 based service registry for service provisioning and discovery. This Enterprise service registry offers more possibilities then a native UDDI.

As a user interface the CE includes a lightweight portal stub, so the applications can then be easily transferred to a full portal environment.



In the NetWeaver CE landscape there are two main blocks.

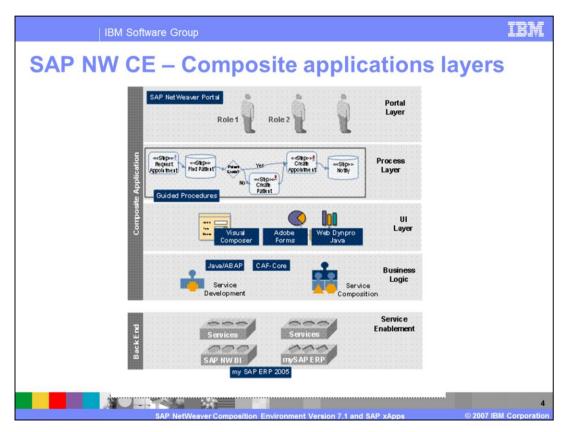
The source of information, illustrated on the right, could be any SAP or Third Party server.

In the development environment you have two options.

The Development Workplace combines the tools and the CE server on one physical box so you have a complete development environment installed together.

But if you plan to work with different Developer Studio instances on one CE Server, for example, in a development department, this is also possible.

In a production environment you just need the runtime CE server and deploy the generated applications on it.



In the composite application layer you see the commonality to the IBM story. But there is one difference.

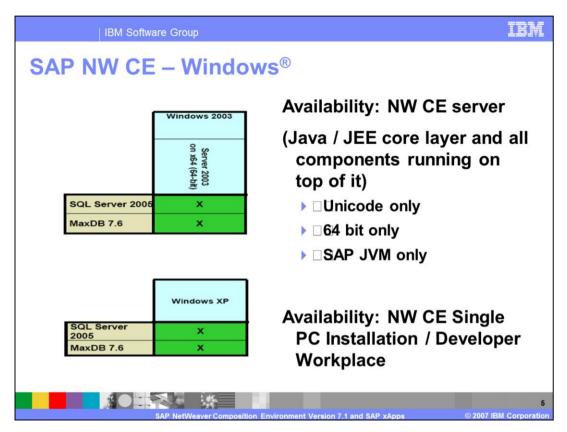
In the backend there are the granular services which offer operations and information.

These get leveraged in a business logic to build reusable services.

Now SAP has a user interface layer which is not represented in the IBM story. The difference is that SAP builds here already user interfaces in WebDynpro.

In the process layer SAP combines the service components including the user interface to guided procedures which get performed by you in a portal layer.

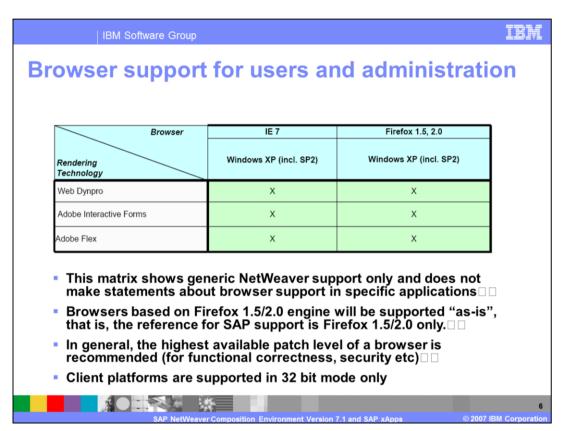
Over all you see the SOA thinking in building reusable services out of granular back-end services.



Here is the Platform Available Matrix for Windows.

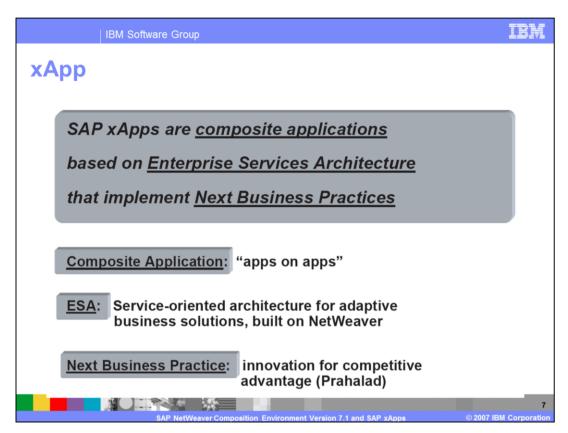
As you see the CE is supported on WinXP 32bit for a single pc installation called developer workplace and Windows 2003 Server 64bit for the stand-alone Netweaver CE server installation.

On both systems the Microsoft SQL Server and MaxDB are supported. IBM DB2 is on the way to get supported, always check the newest release notes.



For the client platform there is support for the 32bit versions of Internet Explorer and Firefox.

But make sure you have always the highest available version and patch level installed.



The next slides will focus on the xApps. To start, the term xApp needs to be explained.

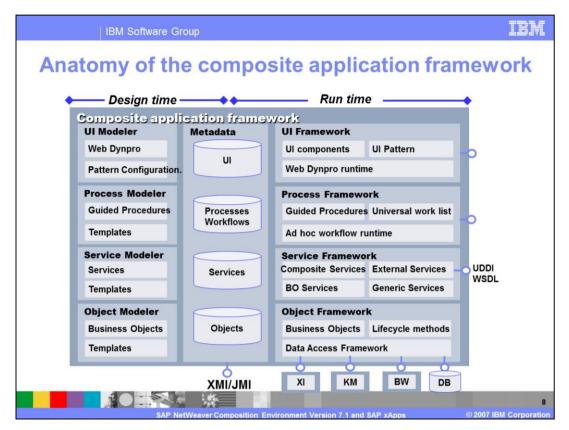
The SAP xApps are composite applications based on Enterprise Service Architecture that implement Next Business practices.

Again there are three buzz words in this explanation.

The composite applications are applications which are built out of a bunch of other applications or services.

The ESA is now also known as eSOA. It is a service oriented architecture for business solutions, build on NetWeaver technology.

In Next Business Practices SAP, see the future of solutions for customer needs.

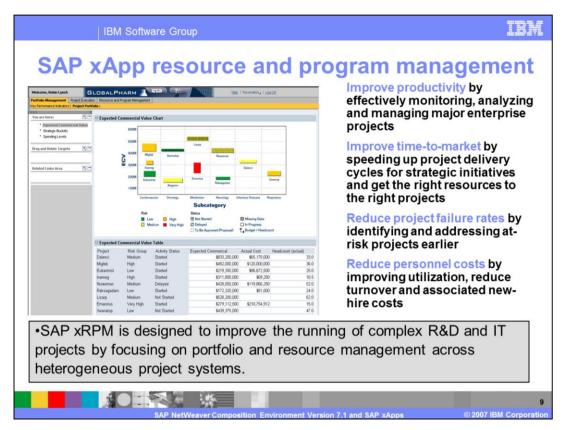


This slide shows the composite application framework in more detail.

There are a lot of components grouped in this framework.

The composite application framework has components for user interfaces, processes, services and objects and is always in a design time modeling and a runtime framework. The bridge between design and runtime are the stored metadata in XML.

Applications build with all these components are available as xApps. The next slides will discuss six different xApps and their benefits.



The first xApp introduction is the xApp Resource and Program management also known as xRPM.

SAP xRPM is designed to improve the execution of complex R&D and IT projects by focusing on portfolio and resource management across heterogeneous project systems.

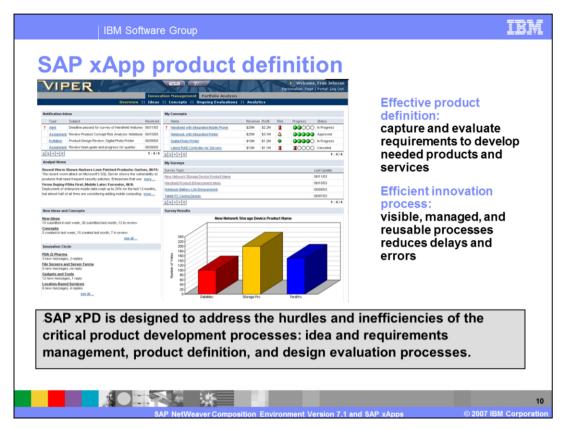
The targets of this solution are:

Improve productivity by effectively monitoring, analyzing and managing major enterprise projects.

Improve time-to-market by speeding up project delivery cycles for strategic initiatives and get the right resources to the right projects.

Reduce project failure rates by identifying and addressing at-risk projects earlier.

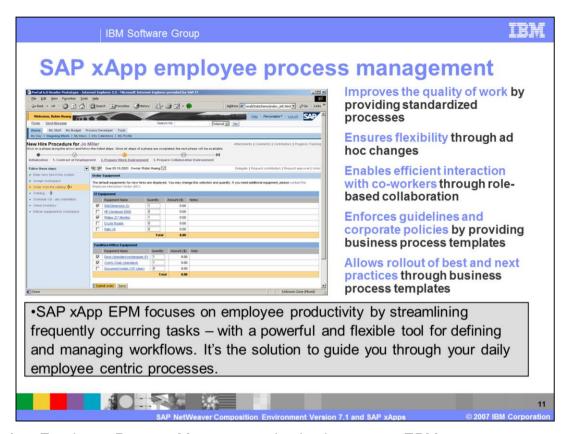
Reduce personnel costs by improving utilization, reduce turnover and associated new-hire costs.



The xApp Product Definition is also known as xPD.

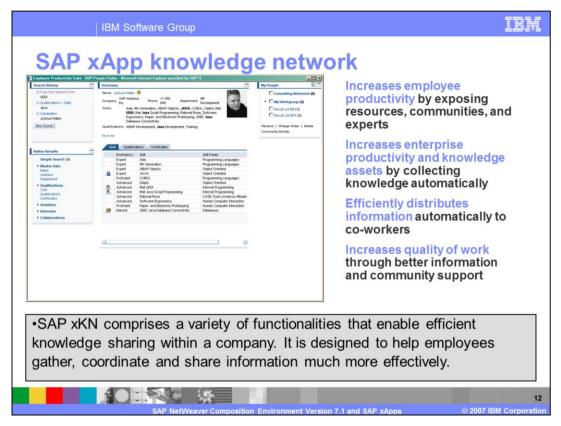
SAP xPD is designed to address the hurdles and inefficiencies of the critical product development processes: idea and requirements management, product definition, and design evaluation processes.

The targets of this solution are to produce effective product definition, by capturing and evaluating requirements to develop needed products and services and to use an efficient innovation process through visible, managed, and reusable processes which reduces delays and errors.



The xApp Employee Process Management is also known as xEPM. SAP xApp EPM focuses on employee productivity by streamlining frequently occurring tasks – with a powerful and flexible tool for defining and managing workflows. It's the solution to guide you through your daily employee centric processes.

The targets of this solution are to improve the quality of work by providing standardized processes, ensure flexibility through ad hoc changes, enable efficient interaction with coworkers through role-based collaboration, enforce guidelines and corporate policies by providing business process templates and to allow rollout of best and next practices through business process templates.



The xApp Knowledge Network is also known as xKN.

SAP xKN comprises a variety of functionalities that enable efficient knowledge sharing within a company. It is designed to help employees gather, coordinate and share information much more effectively.

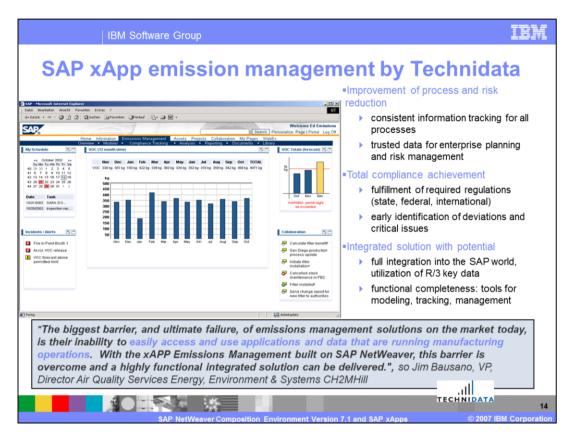
The targets of this solution are; to increase employee productivity by exposing resources, communities, and experts, increase enterprise productivity and knowledge assets by collecting knowledge automatically, efficiently distribute information automatically to coworkers and

increase quality of work through better information and community support.



The xApp mergers and acquisitions is also known as xMA. SAP xMA brings together the right tools, methodologies, technologies and services to provide you with a reliable solution that will enable you to expedite your merger process and increase it's success

The targets of this solution are; reduces merger risk by tightly integrating stakeholders and linking plans to execution, provide decision support in specific post merger scenarios by analyzing and interpreting relevant data, accelerate the merger process by managing the complex program of change and make success repeatable by standardizing the processes and capturing best practices.



The xApp Emission Management by Technidata is also known as xEM. xAPP Emissions Management delivers a highly functional integrated solution built on SAP NetWeaver, which uses applications and data of running manufacturing operations.

The targets of this solution are; to improve the process and risk reduction by consistent information tracking for all processes, a trusted data for enterprise planning and risk management, total compliance achievement through fulfillment of required regulations from the state, federal or international governments, early identification of deviations and critical issues and an integrated solution with a full integration into the SAP world which also utilize R/3 key data.

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SAP NetWeaver Composition Environment Version 7.1 and SAP xApps

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