**SAP – Microsoft Solution Brief**
Duet Enterprise

# Consume and Extend SAP® Software with Microsoft SharePoint

## Quick Facts

### Summary

To help both business units and IT organizations address their goals, SAP and Microsoft offer Duet® Enterprise software. A product jointly developed by SAP and Microsoft, Duet Enterprise combines the collaboration and productivity supported by Microsoft SharePoint with the business data and business-processing functionality of SAP® applications.

### Business Challenges

- Help business units react to dynamic market conditions while driving growth
- Deliver business systems that are intuitive to use, enhance productivity, accelerate information flow, and support innovative solutions
- Enable IT to support business requests quickly and effectively
- Provide ready access to business data and enable collaboration
- Maintain business systems efficiently and securely

### Key Features

- **Foundation for interoperability** – Consume enterprise services, provided by SAP, within Microsoft SharePoint with prebuilt interoperability that enables connectivity, integrated security, and authorization
- **Composition tools and business content** – Quickly compose solutions in SAP applications and Microsoft SharePoint
- **Ready-to-use functionality** – Extend critical data and actions available through SAP software to Microsoft SharePoint users – without additional development effort

### Business Benefits

- **Greater agility in meeting business requirements** by quickly composing new solutions
- **Enhanced user productivity** by supporting blended processes and collaborative work efforts
- **Maximized business value** by using existing IT infrastructure to extend enterprise applications to more users
- **Reduced time to value** using available solutions from SAP or Microsoft partners

### For More Information

Visit us online at www.duet.com, www.sap.com/duetenterprise, or www.microsoft.com/duet.

Duet® Enterprise software, a product developed jointly by SAP and Microsoft, helps IT serve the business more effectively and helps boost users' productivity. The software enables interoperability between SAP® applications and Microsoft SharePoint.

When it comes to enterprise business systems, the fundamental goals of business units and the IT organization are not always in alignment. For business units, the priority is responding to ever-changing market conditions while driving continued growth. To support these efforts, business users need intuitive, ready access to information and the ability to work collaboratively and efficiently with teams across and outside the organization.

On the other hand, IT organizations tend to focus on managing system cost and complexity, ensuring that business systems can be maintained efficiently and remain secure. Yet simply managing these issues is not enough. To support business growth, it is imperative that technology solutions enable the business in a timely, agile, and effective way. To meet this need, IT is required to deploy systems that support flexible, innovative solutions while scaling to meet dynamic business needs.

To help business units and the IT organization address their goals, SAP and Microsoft offer Duet Enterprise software. A product developed jointly by the two companies, Duet Enterprise lets people use Microsoft SharePoint 2010 together with SAP applications. Duet Enterprise combines the collaboration and productivity supported by Microsoft SharePoint and Microsoft Office with the business data and processing functionality of SAP applications. As a result, this software allows your business users to create a unified, enterprise view of the data and tasks they need to increase their personal and team productivity.

At the same time, your IT team can use this software to more effectively serve the business and support increased agility. What's more, Duet Enterprise helps IT realize extended value by broadening the use of SAP software throughout the enterprise and expanding the scope of Microsoft SharePoint.

## SERVING THE BUSINESS WITH INCREASED SPEED AND AGILITY

By enabling the interoperability between SAP applications and products such as Microsoft SharePoint and Microsoft Office, Duet Enterprise helps bridge the gap between the requirements of business users and the functionality that IT delivers.

The software offers three types of functionality that help you consume and extend SAP applications through Microsoft SharePoint.

### Foundation for Interoperability

Duet Enterprise provides an industry-standard foundation that enables technical interoperability between SAP software and Microsoft SharePoint. This built-in functionality is provided by add-ons to Microsoft SharePoint and the SAP NetWeaver® technology platform. The add-on for Microsoft SharePoint enables connectivity to SAP software, as well as the integrated security, authorization, and data models that allow Duet Enterprise to consume enterprise services provided by SAP within Microsoft SharePoint. The service consumption layer, which is an add-on to SAP NetWeaver, allows streamlined access to SAP data models. This add-on delivers security, user, and system management functionality. Duet Enterprise also offers the following interoperability features:

- **Administration functionality** – Helps you configure SAP and Microsoft applications to work together and then maintain them
- **Security features, such as single sign-on** – Enables users to automatically connect to SAP software while preserving authorization definitions. These features also help SAP and Microsoft software share information about user credentials, access rights, and roles.
- **System and lifecycle management tools** – Lets administrators manage SAP and Microsoft software and maintain an optimized IT landscape
- **Application lifecycle support** – Enables support for the full cycle of deployed solutions using standard SAP and Microsoft SharePoint tools
- **Support and monitoring features** – Supports tracing of a message throughout its communication path using standard Microsoft and SAP monitoring and support tools
- **Offline support** – Lets users access information retrieved from SAP applications when they are using Microsoft SharePoint or Microsoft Office and are disconnected from the network

### Composition Tools and Business Content

Duet Enterprise includes tools and business content that let your team accelerate the development of composite applications for Microsoft SharePoint and SAP software.

You can use SAP tools to adapt and combine services, develop custom business logic, and modify existing fields or add new ones. You can use Microsoft SharePoint Designer to create external lists and document libraries and to design views and forms. You can also use Microsoft Visual Studio to modify Microsoft SharePoint Designer solutions and create custom user experiences and data integrations.

Duet Enterprise offers preconfigured business content, including SAP enterprise services and Microsoft SharePoint external lists and templates, and it provides a set of Microsoft SharePoint user interface templates. The business content helps harmonize the user experience, enabling quick solution composition by allowing users to reuse existing content rather than starting development from scratch. In addition, the software delivers building blocks that enable rapid development of "most asked for" scenarios, such as calendar-based scenarios (time management) and contact-based scenarios (customer relationship management).

**Ready-to-Use Functionality**

Duet Enterprise offers ready-to-use functionality that can help you extend critical data and actions available through your SAP software to Microsoft SharePoint users – without additional development effort. This functionality lets users collaborate in workspaces containing SAP information, participate in SAP software workflows, and access reports generated by SAP software. Users can also access information stored in the SAP ERP Human Capital Management (SAP ERP HCM) solution and use Duet Enterprise sites, leveraging Microsoft SharePoint sites, to interact with specified default business content from SAP applications. The ready-to-use features are similar to templates in that they deliver most of the functionality you need, letting you customize only the portion you need to quickly enable business-specific solutions. Duet Enterprise offers the following ready-to-use functionality.

### Collaborative Workspaces

You can create collaborative workspaces that present information from SAP software to users of Microsoft SharePoint and Microsoft Office. The collaboration workspace in Microsoft SharePoint lets users work together and collaborate around a specific topic with the relevant information from SAP software. Users can employ predefined templates to create collaboration sites on an ad hoc basis.

### Contextual Workflow

Users can address workflow approval requests generated by SAP software in their Microsoft Outlook inbox or in their Microsoft SharePoint task folder. With this functionality, users can explore rich contextual information sources, approve requests using e-mail or a Microsoft SharePoint task, and monitor and manage workflows as part of their Microsoft SharePoint or Microsoft Office tasks. In addition, they can start ad hoc Microsoft SharePoint workflows or collaborate based on a Microsoft SharePoint workflow task.

### Duet Enterprise Sites

With Duet Enterprise sites, users can interact with selected content from SAP applications, such as customer, quotation, or product information from the SAP ERP application. Duet Enterprise makes this data available in Microsoft SharePoint as a Microsoft SharePoint site. The software filters any data presented in this way based on user authorization and roles defined in the SAP software.

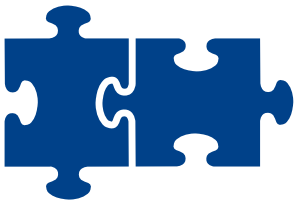
### Duet Profile

You can use Duet Enterprise to extend user profile information from SAP ERP HCM into the Microsoft SharePoint My Site profile functionality. Users can search for and collaborate with colleagues based on their Microsoft SharePoint and SAP ERP HCM profiles.

### Reporting

With Duet Enterprise, users can access many of the reports from SAP ERP and the SAP NetWeaver Business Warehouse component. Users can schedule reports or run them on an ad hoc basis through Microsoft SharePoint. In addition, users can select reports from a catalog available in Microsoft SharePoint and personalize the reports using specific parameters.

Duet Enterprise offers ready-to-use functionality that can help you extend critical data and actions available through your SAP software to Microsoft SharePoint users – without additional development effort.



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**Bridge the Gap Between IT and Business**
Using Duet Enterprise, you can realize the following benefits:

- **Greater agility to meet dynamic business requirements** – Duet Enterprise can help you address the needs of your business units and users in a timely, effective manner. Administrators or skilled business users can compose solutions quickly to meet changing business needs.
- **Enhanced user productivity** – Duet Enterprise helps empower employees with solutions that improve individual and team productivity. Blended processes and collaborative work efforts enhance user efficiency.
- **Maximized business value from existing IT investments** – Because you can use your existing IT infrastructure, and administrators and business users can use the new software with their existing skill sets, you can gain additional value from previous investments in technology and training.
- **Reduced time to value** – Using available solutions, those you develop using Duet Enterprise tools, or solutions offered by SAP or Microsoft partners, you can realize the value of consuming and extending your SAP applications through Microsoft SharePoint even more quickly.

## FOR MORE INFORMATION

For more information on Duet Enterprise, contact your SAP representative or visit us online at www.duet.com, www.sap.com/duetenterprise, or www.microsoft.com/duet.