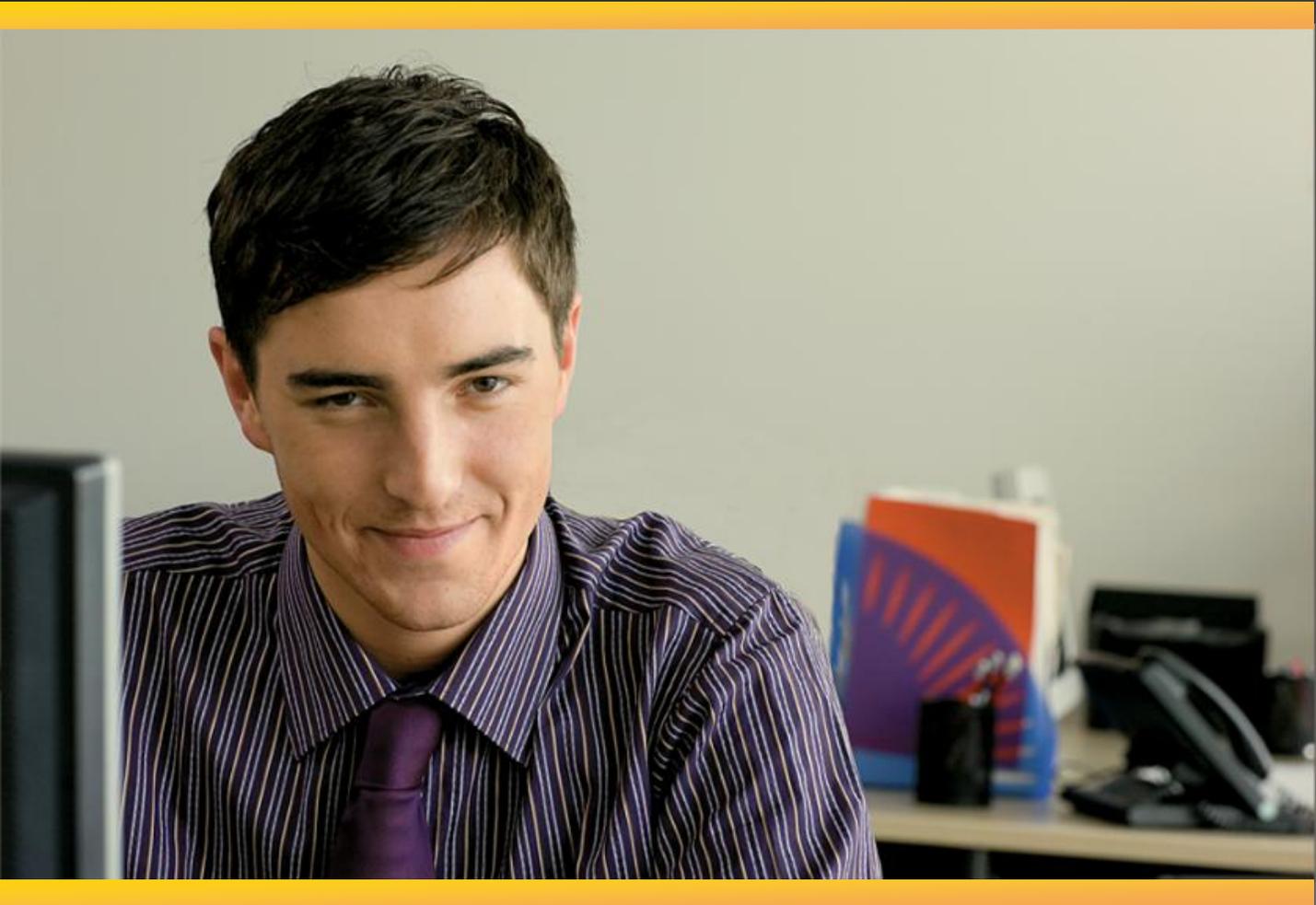




Microsoft®  
**SharePoint®** 2010



## SharePoint Composites



## Executive Summary

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SharePoint Composites is the newest set of capabilities in SharePoint 2010, and it helps your organization's productivity by enabling no-code collaborative solutions that balance self-service with control:

- 1) First, SharePoint Composites helps you rapidly create no-code collaborative solutions through browser-based customizations, declarative solutions in SharePoint Designer 2010, and investments in Visio Services and Access Services that help users share their diagrams and databases using SharePoint.
- 2) Second, it allows you to unlock the value of your enterprise data through Business Connectivity Services, which helps users connect with enterprise systems and interact with them as easily as with traditional SharePoint data, or directly in the rich experience of Word, Outlook and Workspace. It provides full search, read and write experience, while offline or when connected.
- 3) Finally, SharePoint Composites helps your teams of IT professionals to maintain control over the platform and user solutions, allowing them to manage custom code with Sandboxed Solutions and to maintain operational insight with health monitoring and controls.

SharePoint Composites empower your organization to take action with user-driven solutions, increasing user and department satisfaction while allowing IT to focus on high priority project and to maintain a stable infrastructure. They allow your organization to derive more value from the significant investments you have made on enterprise systems such as ERP, CRM, and other applications by extending the reach of this data to more people, making these investments more valuable and useful. Allows IT teams to maintain a manageable platform and predictable service levels, simplifying operations with a single unified platform for all solutions, whether created by business users, business units or Corporate IT.

## Who Should Read This Paper?

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This paper is intended for four primary roles. First, for decision makers in Information Technology groups at corporate or business unit levels evaluating SharePoint 2010 for their organizations. Second, for managers of application development organizations in IT thinking about how SharePoint can play a role in their application development strategy. Third, for business individuals interested in learning about how to improve the productivity of their organizations or how to enable their teams to become more agile. Finally, for individuals interested in learning more about how SharePoint can improve productivity in their organizations.

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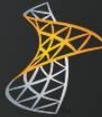
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## Introduction

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SharePoint Composites is the new set of capabilities available in Microsoft SharePoint 2010 that represents Microsoft's vision for end-user driven composite applications, enabling the creation of rich collaborative solutions without code on the SharePoint platform. In this document we will talk about some of the challenges that customers face as they try to meet the demands of their organization, and how SharePoint Composites allow them to rapidly respond to business needs with no-code collaborative solutions that balance empowerment and control.

## The paradox of control and empowerment

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One of the most important challenges that IT development organizations face can be summarized in four words: more demands, less resources. First, there are increasing demands not just on individuals, but on the organization overall, and these demands are difficult to meet as IT budgets suffer funds and resources limitations, creating pressure on the IT backlog, the typically large set of needs that organizations have not been able to address. In addition, the organization's need for governance and controls may impact the ability of IT to improve business satisfaction.

The following is a story that we hear from our customers. First, we start with an IT organization that is running at full capacity; doing everything they can to satisfy the needs of the business as much as possible. As a result, IT cannot possibly execute every project or request from the business, only a limited number. We euphemistically call that set of key projects the "Top Ten" projects. During every planning cycle, there is an announcement that communicates what those projects will be, and there are of course, ten business sponsors who are very happy that their projects were selected.

The question that we ask then is: "What happens to Project Eleven?" When we talk to the people sponsoring Project Eleven and the rest of the projects left unfunded, they tell us that their projects are still important for their departments, even if they were not

Hidden development efforts

Reliance on questionable platforms

Scattered spend

Lack of governance and visibility

Business risks

selected at the higher level of the organization. They hire a few people, create a solution, and start using it. Over time, this solution becomes important, and they can no longer continue to invest on the solution at the level required, and

they decide that they need to give it to IT for support. However, because the solution probably did not have as much supervision from IT, it likely lacks in a few areas, maybe security, reporting, scalability, manageability, etc. As we can see, these unsupervised

development efforts can create risks, and, because they happen across the organization, then there is an aggregate amount of investment that is difficult to quantify.

The reality is that there is a tension between business organizations and IT. They both want to tackle those projects and improve the business, but the paradox is that one side



requires empowerment, while the other is tasked to control an infrastructure and maintain stability and governance as well. The value of SharePoint Composites in SharePoint 2010 is that it enables the creation of collaborative solutions that balance self-service with control, all without having to

write code. SharePoint Composites does that by allowing users to rapidly create no-code collaboration solutions that unlock the value of your enterprise data, while allowing the IT organization to maintain control over these solutions.

## Rapidly create no-code collaborative solutions

### Rapidly create no-code collaborative solutions

- Empower business users with browser-based customizations
- Build declarative sophisticated solutions with SharePoint Designer
- Create human workflows and visualizations with Visio Services
- Share and publish databases with Access Services

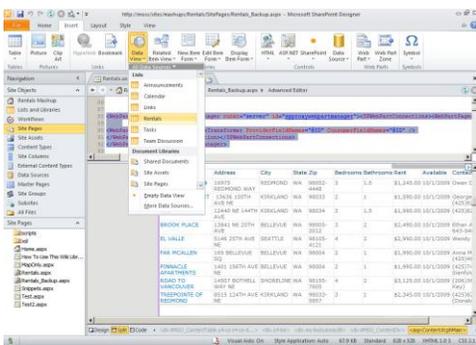
The first group of capabilities in SharePoint Composites enables users to rapidly create no-code collaborative solutions and react and adapt to the business needs across a broad spectrum of business scenarios. From dashboards and blogs to forms and enterprise data, SharePoint provides users with a rich set of building blocks to create collaborative solutions rapidly. Using SharePoint 2010, business users can create different aspects of a business solution without code. For example, they can create



customizable work areas for themselves and their teams, work on Office documents by themselves or collaborative, interact with Line of Business Data, assign tasks and

workflows, and derive insights through reports and analysis of data and share them directly with others stakeholders without having to consume the precious time and resources of IT personnel. In this manner, customers can create a variety of business solutions across different aspects of their business, from human resources processes to managing sales contracts, or from IT services portals to product pricing analysis, for example.

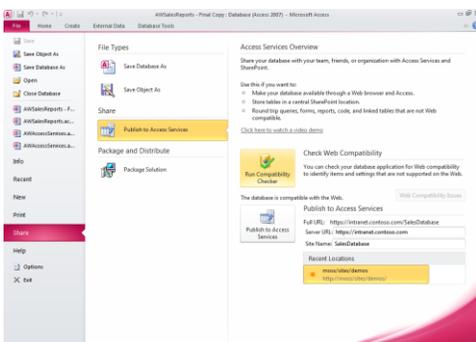
Many of these solutions can be created by users directly, using the rich capabilities of SharePoint available directly on the browser with a standard user interface, simplified commands on the Ribbon, web edit, and out-of-the-box workflows and web parts for a variety of common scenarios.



More advanced users can additionally create rich no-code customizations using the revamped user interface and tools available in SharePoint Designer. They can create solutions more rapidly with its List and Content Type editors, association columns, reusable workflows, impersonation steps, XSLT templates, and external content types from Business Connectivity Services, among other new capabilities, without code.



SharePoint Composites also let business users leverage their skills in the most popular diagramming tool in the world, Office Visio, directly on SharePoint. Users can share and publish diagrams to SharePoint to create custom dashboards that connect to the company's data and can be refreshed almost in real-time or even import their process diagrams for use in SharePoint Designer workflows.



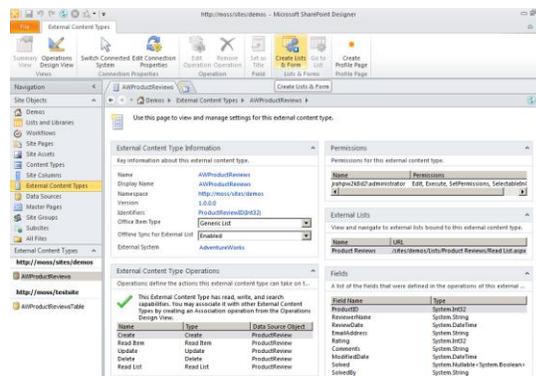
Finally, users can publish Access databases to SharePoint and share them with others. With Access Services they are able to eliminate database versioning problems and IT teams can simplify the deployment of Access forms and reports to other users, while simplifying management.

## Unlock the value of your enterprise data

### Unlock the value of your enterprise data

- Leverage enterprise data through Business Connectivity Services
- Surface enterprise data in Outlook, Word, and Workspace
- Provide full read and write access, offline or while connected
- Easily enable Search across these systems

The second group of capabilities in SharePoint Composites is actually one of the most exciting new features in SharePoint 2010. Business Connectivity Services, or BCS, allows you to leverage your enterprise data in SharePoint. Business Connectivity Services help you easily connect with enterprise data and create external lists, and allows users to interact with those external lists in SharePoint as easily as with traditional SharePoint lists. Business Connectivity Services also allows users to surface the external data in Outlook, Word, and SharePoint Workspace, and provides full search, read and write capabilities. Business users can even work with this data while offline.

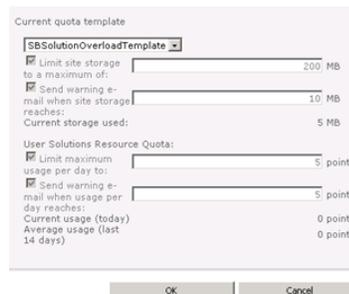


## Maintain control over end user solutions

### Maintain control over end user solutions

- Manage custom code with Sandboxed Solutions
- Manage desktop solutions with Visio, Forms and Access Services
- Maintain flexibility with deployment online or on premise
- Maintain operational insight with health monitoring

SharePoint Composites allows IT professionals to maintain control over their infrastructure and end user solutions. Sandboxed Solutions give users the ability to deploy custom code in the Sandbox, but allows IT professionals to define the level of resources that those solutions can utilize. SharePoint enables hands-off management of those solutions by automatically ensuring that those solutions stay within the predefined parameters of resource and CPU consumption. SharePoint 2010 also provides a unified packaging format that simplifies packaging and upgrades, whether online or on premise, while health monitoring reports are available to maintain operational insight over the infrastructure.



## Summary

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In summary, SharePoint Composites allows you to rapidly create no-code collaborative solutions, unlock the value of your enterprise data, and maintain control over end user solutions.

SharePoint Composites empower your organization to take action with user-driven solutions, increasing user and department satisfaction while allowing IT to focus on high priority project and to maintain a stable infrastructure. Your organization will be empowered to solve problems on their own and to leverage their skills with Access, Visio, and InfoPath to share their databases, diagrams and forms using SharePoint.

Second, your organization will derive more value from the significant investments you have made on enterprise systems such as ERP, CRM, and other applications. By extending the reach of this data to more people, these investments become more valuable and useful. Your users will be more productive by interacting with enterprise data directly within SharePoint and Office.

Finally, your IT teams will be able to maintain a manageable platform and predictable service levels, simplifying operations with a single unified platform for all solutions, whether created by business users, business units or Corporate IT.

## Additional Resources

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For more information, please visit <http://sharepoint.microsoft.com>