Abstract

This paper shows how two products, Microsoft® Office and Microsoft SharePoint®, contribute to the powerful architectural design of the Microsoft Business Productivity Infrastructure (BPI). The BPI stack approach suggests that only by thinking at a capability level (for example, “What do information workers want to do?”), and then adding the right aspects of capability in each place (client, server, and services), can we create desktop applications that also deliver rich server and services capabilities to information workers.

Although we provide an overview of Office and SharePoint features working together in past versions, this paper focuses on the Microsoft Office 2010 experience with Microsoft SharePoint 2010. As of May 2010, both Office 2010 and SharePoint 2010 are now available.

The scenarios outlined in this paper show examples of how the power of SharePoint 2010 and related servers can be combined with capabilities of one or more Microsoft Office 2010 applications to deliver rich, intuitive, and easy-to-use capabilities directly into the hands of information workers. The scenarios cover the following value areas:

- Work Better Together
- Bring Ideas to Life
- Use Office Anywhere
- The Practical Productivity Platform

The paper concludes that to realize the best features and user experience with Office and SharePoint, organizations should upgrade client programs to Office Professional Plus 2010 and server technologies to SharePoint 2010.
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Introduction

Microsoft Office has always been about automating tasks and providing people with choices for how they get things done at work, at school, and at home. When Microsoft Office products were first introduced, they helped people move beyond manual processes and tools to automated processes on computers. Over time, Microsoft Office has evolved and is now the primary vehicle by which people experience Business Productivity Infrastructure capabilities, such as collaboration and content management. Microsoft Office helps enhance business productivity by offering rich server capabilities that are tightly integrated into its user experience. Office 2010 and SharePoint 2010 are designed to provide people with a set of capabilities that span across Client and Server, often without the users even realizing that both are involved.

Many analysts support the notion of an integrated productivity environment for information workers. Gartner Group’s “Smart Enterprise,”¹ Forrester’s “Information Workplace,”² and Yankee Group’s “Extended Enterprise”³ frameworks all combine these capabilities to create the next-generation workplace for information workers. The introduction of Microsoft Office 2007 was the first time a solution of client, server, and service products, with tight design interoperability, could deliver the functionality that would have previously required anywhere from six to ten “best-in-class” products for a full BPI platform. The 2010 release of these products takes this interoperability to the next level by providing more flexibility in delivery and new capabilities to help save the business time and money.

The focus of this paper is to provide an overview of the specific capabilities enabled through Microsoft Office and SharePoint working together as key components of the BPI stack in the 2010 release.

The following table provides an overview of the features designed to work together between a specific version of the Microsoft Office programs and the specific version of SharePoint products and technologies. Levels of the combined value of these two products can be summarized as fair, good, better, and best, and are further explained below.

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¹ Gartner Group: The Smart Enterprise Suite is Coming: Do We Need It?, May, 2002
² Forrester Big Idea: The Information Workplace Will Redefine the World of Work – At Last!, June, 2005
³ Yankee Group: The Impact of Microsoft’s Unified Communications Launch, Enterprise Computing & Networking, Zeus Kerravala, August 2006
<table>
<thead>
<tr>
<th>Combined Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fair</strong></td>
<td><strong>Microsoft Office 2000 or Office XP</strong>: Microsoft Office 2000 introduced the first interactions with Windows® SharePoint Services, which provides simple file operations that people can use to open and save documents on SharePoint sites from their Microsoft Office 2000 applications and receive alerts in Microsoft Office Outlook® 2000. Microsoft Office XP builds on this level of data interoperability to provide interactive access to data stored on SharePoint sites, which allows people to export list data to Microsoft Office Excel® XP and view properties and metadata for files stored on SharePoint sites.</td>
</tr>
<tr>
<td><strong>Good</strong></td>
<td><strong>Microsoft Office 2003</strong> works well with Windows SharePoint Services and Microsoft SharePoint Portal Server 2003, so information workers can create documents, organize team meetings and activities, access and analyze data from SharePoint sites, and use Microsoft FrontPage 2003 to customize lists or Web Parts on SharePoint sites. People can also use data interoperability between the Office 2003 and Windows SharePoint Services to move data to and from SharePoint sites and create databases linked to data stored on SharePoint sites.</td>
</tr>
<tr>
<td><strong>Better</strong></td>
<td><strong>Microsoft Office 2007</strong> provides contextual interoperability with <strong>Microsoft Office SharePoint® Server 2007</strong>, which allows people to interact with SharePoint sites without leaving their Microsoft Office programs, and provides online/offline access with two-way synchronization for select information through Outlook and Microsoft Office Groove®. The Business Data Catalog (BDC) was introduced, enabling line-of-business (LOB) data to be surfaced through SharePoint and Office.</td>
</tr>
<tr>
<td><strong>Best</strong></td>
<td><strong>Microsoft Office 2010 with Microsoft SharePoint 2010</strong> gives people the ability to seamlessly view and edit information from a PC, browser, and smartphone. Microsoft SharePoint Workspace 2010 (formerly Groove) makes it easier for people to take information offline, then resynchronize when they reconnect to the network. Business Connectivity Services (BCS) makes it easier to enable information workers to work with line-of-business (LOB) information from within familiar Office applications. People can co-author the same document, presentation, worksheet or share a Microsoft OneNote® 2010 notebook, reducing review cycles and enhancing teamwork. The new Microsoft Office Backstage™ view helps to surface SharePoint 2010 capabilities in the context of Office applications, including greater automation of metadata capture and streamlined access to document libraries and SharePoint sites. And Office 2010 extends the ribbon toolbar throughout all applications, including SharePoint 2010, helping people discover commands that make it easier to produce stand-out work and save time.</td>
</tr>
</tbody>
</table>

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4 Some mobile functionality requires Office Mobile 2010 which is not included in Office 2010 applications, suites, or Web Apps.
Work Better Together

People and businesses expect the tools they use in the office to support the highly collaborative, mobile, and virtualized work styles that are becoming the norm in today's workplace. With effective tools, people can work simultaneously with the same documents, data, and information to share ideas with colleagues, partners and suppliers, and to deliver results regardless of where they are, or if they are connected or on the go.

Office 2010 with SharePoint 2010

Enable people to respond faster so they're better equipped to meet deadlines by offering document collaboration with IT control.

With Microsoft Office 2010 and SharePoint 2010 capabilities, people can accurately and quickly respond with information that is pulled together from various experts across the organization. People in various roles and departments need to combine information in a variety of ways every day—from creating formal documents such as a press release, annual report, or legal contract, to gathering information about a potential client, detailing product specs, or creating on-boarding materials for new employees.

Scenario

Craft request for proposal (RFP) documents with greater speed, effectiveness, and quality to remain competitive.

Let's consider an example below where the Director of Sales, Jonathan Mollerup, must work with the Head of Legal, Sean Chai, and the Finance Manager, Jim Kim, to put together an accurate and up-to-date RFP document quickly.
### FEATURES

**Co-authoring Documents and Presentations**

**Author Highlights in a Shared Notebook**

<table>
<thead>
<tr>
<th>Microsoft Office 2010 with SharePoint 2010</th>
<th>Microsoft Office 2007 with SharePoint 2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>• The team has been contributing ideas on how to best respond to the RFP by using a Microsoft OneNote 2010 shared notebook hosted on SharePoint 2010. As changes are made, OneNote tracks each person’s notes and edits.</td>
<td>• The team has been contributing ideas on how to best respond to the RFP by using a Microsoft Office OneNote 2007 shared notebook hosted on SharePoint 2010.</td>
</tr>
<tr>
<td>• When Jonathan, the Director of Sales, views the shared notebook, he uses the easy-to-follow version history in OneNote to see what the team has done since he last opened the notebook.</td>
<td>• Jonathan recalls that Dan, Manager of Sales Support, recently sent him a customer brochure that will help complete the proposal, so he searches through his Microsoft Office Outlook 2007 inbox to find the attachment.</td>
</tr>
<tr>
<td>• Jonathan recalls that Dan, Manager of Sales Support, recently sent him a customer brochure that will help complete the proposal, so he brings up a recent e-mail from him. With the Outlook Social Connector, he can view all the communication he has had with Dan, including e-mail attachments. This makes it easy for Jonathan to find the message where Dan sent the latest version of the brochure.</td>
<td>• Individuals contribute notes in their own sections in the shared notebook. Jonathan reads through the notes and copies and pastes sections into an RFP template in Microsoft Office Word 2007.</td>
</tr>
<tr>
<td>• Jonathan sends an e-mail message to Sean and Jim to ask them to contribute to their respective RFP sections. He includes a link to the RFP document hosted in SharePoint.</td>
<td>• Jonathan sends an e-mail message to Sean and Jim to ask them to contribute to their respective RFP sections. He includes a link to the RFP document hosted in SharePoint.</td>
</tr>
<tr>
<td>• Jonathan checks out the document from the SharePoint library to update his RFP sections.</td>
<td>• Jonathan checks out the document from the SharePoint library to update his RFP sections.</td>
</tr>
</tbody>
</table>

**Reference**

- Roadmap
- Timeline/GANTT
- Training Plan
- Testing Plan
- Key Contacts
- Projected Budget

- View Properties
- Edit Properties
- View in Browser
- Edit in Browser
- Edit in Microsoft Office Word
- Check Out

• After Jonathan finishes making his updates and checks in the notebook, Jim checks out the notebook and makes his updates.

• Sean needs to work on the document at the same time, but because it is checked out to Jonathan, he must...
After copying content from the brochure and making some final notes in the shared notebook, Jonathan quickly drops the information into the company’s RFP template in Microsoft Word 2010.

Using built-in workflow services in SharePoint 2010, Jonathan can submit the document into the company’s RFP workflow directly from the Office Backstage view in Word 2010, which routes the document link and a request to finance, engineering, and legal contributors to fill in their respective RFP sections.

By using Microsoft Office 2010 and SharePoint 2010 together, Jonathan; Sean, Head of Legal; and Jim, the Finance Manager, work on the same version of the RFP document, each editing their own sections without worrying about conflicting changes.

Jonathan, who is assembling the final version of the RFP document, needs to assemble all the edits from the team. He sees tracked changes and inline comments from Jim’s document in SharePoint, and he sees Sean’s edits in the separate copy.

Jonathan reconciles the changes, and sends another e-mail message to Sean and Jim to ask them to review for final approval.

After all iterations are received, Jonathan spends several hours consolidating the final edits from the different versions created by the team.

Jonathan submits the final version of the RFP to the customer right before the deadline.
• After each time they save, each person can see the others’ edits highlighted as they make changes, so they can see this document is coming together quickly as the RFP deadline looms.
• Jonathan does a final review of the entire RFP, including Sean’s and Jim’s contributions. He doesn’t have to worry about reconciling their changes—they were all working on the same document at the same time, so each person was aware of changes as they were made.
• Because they edited and managed the document collaboratively within the RFP workflow with Office 2010 and SharePoint 2010 working together, they did not need a final approval review.
• Jonathan sends the RFP to the client long before the submission deadline, making a good impression by delivering before the competitive bids.

**Benefit: Empower All Your People for Critical Interactions**
- Reduce sales proposal response time
- Reduce re-work and time spent reconciling document changes
Bring Ideas to Life

People work in a far more complex environment than ever before, and can fall victim to information overload. They are looking for ways to draw insights from complex or disparate data sets and express ideas in more compelling ways, such as with the use of multimedia. They also need to capture, search, and reuse different types of content more easily. Further, staff and budget cuts mean that everyone needs to be more productive and make the most of resources to produce results that keep them ahead of the competition.

Office 2010 with SharePoint 2010

Provide self-service access to information to help people make more informed business decisions and to reduce the burden of report requests.

With Microsoft Office 2010 and SharePoint 2010 capabilities, people can create and share powerful analysis right from their desktops or a browser. With improved analysis capabilities, people can make better, smarter decisions and share sensitive business information more broadly with co-workers, customers, and business partners in a security-enhanced environment.

Scenario

Provide people with self-service access to sales information to analyze massive data sets.

Let's consider an example in which Director of Sales, Mike Miller, wants to see how his company’s sales are going so far this year.
### FEATURES

**Formatting and Analysis with Data Slicers in Excel**

**PowerPivot for Excel 2010**

**Publishing and Sharing Through Office Backstage view and Excel Services**

<table>
<thead>
<tr>
<th>Microsoft Office 2010 with SharePoint 2010</th>
<th>Microsoft Office 2007 with SharePoint 2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Mike, the Director of Sales, opens a report in Microsoft Excel 2010 that has all of his company’s sales data for the year in a Microsoft PivotTable® dynamic view, to analyze which products are performing best.</td>
<td>- Mike asks the IT department to use Microsoft Office Excel 2007 to create a custom sales report that is consolidated from millions of rows of data from multiple external sources.</td>
</tr>
<tr>
<td>- Because Mike is using PowerPivot for Excel 2010, a free add-in, he can work with hundreds of millions of rows and can pivot the different fields quickly, all without requiring help from IT.</td>
<td>- Mike receives the Excel spreadsheet from IT a few hours later. Data is split across multiple worksheets, so he combines the worksheets by copying and pasting and builds a PivotTable to provide the analysis he needs.</td>
</tr>
<tr>
<td>- Mike inserts Slicers beside the PivotTable report to make it easy for others who are not comfortable with PivotTables to filter and view different combinations of data.</td>
<td>- Mike sifts through the large data tables using PivotTable views and finishes the analysis.</td>
</tr>
<tr>
<td>- Mike selects a category and can easily see the sales figures.</td>
<td>- To share his analysis with the team, Mike manually navigates to the SharePoint 2010 site to publish the sales report.</td>
</tr>
<tr>
<td>- To share the sales analysis with other team members, Mike publishes the sales analysis charts in SharePoint 2010 using Excel Services from the Office Backstage view in Excel 2010. Security in SharePoint 2010 ensures that only his sales team and marketing team can view or edit the analysis.</td>
<td></td>
</tr>
</tbody>
</table>

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*Business Productivity at its Best | White Paper*
Microsoft Office 2010 with SharePoint 2010

- Because the Backstage view is extensible, Mike uses a button he has customized to publish the view to his team site so he doesn’t have to remember the URL.

- The team can enjoy the same data analysis capabilities using Slicers when they work with the report in SharePoint through Excel Services reports.

Microsoft Office 2007 with SharePoint 2010

- He publishes the Excel 2007 sales report in SharePoint 2010 and specifies which components of the workbook will be visible when they’re published to the Excel Services site.

- When the team uses Excel 2007 content that is published in SharePoint 2010, they have a read-only view of the PivotTable.

Benefit: Make Better Decisions and React Quickly to Change

- Decrease IT cost of generating reports
- Avoid cost of 3rd party BI solutions
Use Office Anywhere

Mobile work is no longer just about the sales force. More than ever, employees in a variety of roles are expected to be “always on, and always connected,” even when they are away from the office. To enable the fast response they want to provide, these information workers need the ability to access information from more places and on more devices. Taking action on the go can be difficult, especially if employees can’t connect to the business network or access the right information for their jobs. And while telecommuting and working on the go can reduce costs and increase productivity, it potentially opens up access and security concerns.

Office 2010 with SharePoint 2010

Enable people to access and respond to information securely from virtually anywhere with confidence that content changes and fidelity are maintained across locations and devices.

With Microsoft Office 2010 and SharePoint 2010 capabilities, information access is securely extended to enable people to work from more places and on more devices with a browser, and to keep everyone more productive even when they’re on the go. With new mobile access enhancements, co-workers in different locations can share, edit, and comment on documents or presentations from their mobile devices with a familiar experience that is tailored to mobile devices. Whether they view or edit documents, spreadsheets, or presentations on a PC, a browser, or a mobile device, they can experience high-fidelity across all devices.

Scenario

Enable people who travel without a PC to comment on a press release.

Let’s consider an example in which the Finance Director, Robert Lyon, is heading out for a long weekend in the country. He leaves his PC behind but brings his mobile device. While he is away, some late-breaking company news requires him to review and edit a press release.
### FEATURES

**Mobile Access Enhancements**

**Viewing and Editing Documents, Spreadsheets, Presentations, and Notebooks in a Browser**

<table>
<thead>
<tr>
<th>Microsoft Office 2010 with SharePoint 2010</th>
<th>Microsoft Office 2007 with SharePoint 2010</th>
</tr>
</thead>
</table>
| - Before Finance Director Robert revises the press release document to announce fourth-quarter earnings, he needs to update the regional revenue in the quarterly earnings report in Excel.  
- Robert uses the browser on his mobile device to navigate to the SharePoint 2010 library and opens the revenue report in the Excel 2010 Web App (running in the browser), confident that changes he makes on his mobile device will not change the quality or format of the spreadsheet’s appearance.  
- Robert updates the revenue figures with the confidence that the changes are saved as he intends and the whole team will stay up-to-date.  
- The team takes Robert’s figures and rebuilds the quarterly earnings section of the press release.  
- Meanwhile, Robert needs to add executive commentary to support the new data. When he arrives at his vacation destination, he finds that the hotel has a small business center with a PC and Internet access. | - Before Robert revises the press release document to announce fourth-quarter earnings, he needs to update the regional revenue in the quarterly earnings report in Excel.  
- Because the Excel 2007 spreadsheet is hosted in SharePoint 2010, Robert must send an e-mail to his colleague, David Bradley, requesting him to forward the revenue report.  
- The next day, David sends the document to Robert as an e-mail attachment.  
- Robert opens the revenue report from the e-mail attachment and updates the revenue figures in the Excel 2007 report using Microsoft Office Mobile. |

Robert opens the revenue report from the e-mail attachment and updates the revenue figures in the Excel 2007 report using Microsoft Office Mobile.

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5 Given mobile connectivity to corporate resources, most Smartphones using the microbrowser standard (iPhone, RIM, Symbian and Windows Mobile) can access documents stored on a server via their Smartphone browser.
<table>
<thead>
<tr>
<th><strong>Microsoft Office 2010 with SharePoint 2010</strong></th>
<th><strong>Microsoft Office 2007 with SharePoint 2010</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>• The PC does not have Microsoft Office installed, but with the browser, Robert can use Web Apps to view the documents—just as he is used to seeing them on his PC—and make the necessary edits.</td>
<td>• Robert replies to David’s e-mail with the updated Excel report attached, and the team takes Robert’s figures and rebuilds the quarterly earnings section of the press release.</td>
</tr>
<tr>
<td>• Using the PC’s browser, Robert navigates to the SharePoint 2010 library and opens the draft press release in the Word 2010 Web App.</td>
<td>• Meanwhile, Robert also needs to add executive commentary to support the new data. When he arrives at his vacation destination, he finds that the hotel has a small business center with a PC and Internet access.</td>
</tr>
<tr>
<td>• From within the browser, Robert views and edits the press release document in high-fidelity, just as he would see it on his PC.</td>
<td>• The PC does not have Microsoft Office installed, so he can’t access the file.</td>
</tr>
<tr>
<td>• He saves his changes to the document, and then must update the Microsoft PowerPoint® presentation that will accompany the earnings report.</td>
<td>• Robert finds a local Internet café with a PC with Microsoft Office 2007 installed. He signs in to his e-mail through Outlook Web Access, where he can get the press release document and presentation from an e-mail attachment.</td>
</tr>
<tr>
<td>• Even though the presentation is large in size, he is able to quickly open the presentation in a browser using the PowerPoint 2010 Web App.</td>
<td>• Robert waits for the document and presentation to download to the PC, then makes some last minute edits to it, and sends it back to the team.</td>
</tr>
<tr>
<td>• Robert edits the slide deck in the browser, revises some of the figures and slide notes, and saves his changes.</td>
<td>• Robert remembers to delete the document and presentation from the Internet café PC.</td>
</tr>
<tr>
<td>• Robert is finished with the last-minute changes. The rest of his team collects Robert’s changes from SharePoint 2010 and submits the press release.</td>
<td></td>
</tr>
</tbody>
</table>
Microsoft Office 2010 with SharePoint 2010 | Microsoft Office 2007 with SharePoint 2010

|甚至罗伯特使用Web浏览器编辑演示文稿，他知道Office Web App将保持内容和格式更改。他还认为演示文稿中的机密信息是安全的，因为它安全地存储在他的公司的SharePoint服务器上。 |

| 优势：适用于各种工作方式和移动环境 |
| - 节省时间并快速解决问题 |
| - 支持远程工作，可以节省房地产和设施的间接成本 |

**Office 2010 with SharePoint 2010**

帮助人们在办公室、客户现场、出差或在家时保持工作效率，使用能够无缝同步在线和离线更改的工具。

使用Office 2010和SharePoint 2010的能力，人们可以享受无缝的在线和离线体验，并保持工作效率，即使他们不在办公室。通过此解决方案，人们可以更加多地工作，保持最新，并有效应对信息，无论他们在家中、工作还是在移动。

**Scenario**

**Enable people to stay productive anywhere—online or offline—and update team information at the office, at a customer site, on the road, and from home.**

让我们考虑一个例子，其中市场总监Jeff Phillips正在从美国到远东进行几次客户访问。他希望在飞机或酒店上更新产品发布演示文稿。
### FEATURES

**Offline and Online Collaboration**

**Working Offline with Improved Access**

<table>
<thead>
<tr>
<th>Microsoft Office 2010 with SharePoint 2010</th>
<th>Microsoft Office 2007 with SharePoint 2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Jeff, the Marketing Director, was in a hurry to catch his flight when he left the office, and he did not download the presentation to his laptop. Fortunately, he had the presentation stored on a SharePoint site that he has synced to his desktop through Microsoft SharePoint Workspace 2010. At the airport, he opens his laptop and starts working on the offline version of the presentation. He saves his updates back to SharePoint Workspace 2010.</td>
<td>• Although Jeff is in a hurry to catch his flight, he has to manually synchronize the SharePoint 2010 library with Microsoft Office Groove® 2007 on his laptop before he leaves the office.</td>
</tr>
<tr>
<td>• Jeff also updates product information using offline SharePoint list forms in Microsoft InfoPath® 2010 from within SharePoint Workspace 2010. Information he enters in the forms is automatically synchronized to SharePoint list when he reconnects.</td>
<td>• At the airport, Jeff opens the Microsoft Office PowerPoint 2007 presentation, updates it, and saves it back to the Groove 2007 workspace just before he boards his flight.</td>
</tr>
<tr>
<td>• Once on board his flight, Jeff decides to change the</td>
<td>• Once on board his flight, Jeff also needs to change product information in his company’s database, which is published in SharePoint 2010.</td>
</tr>
<tr>
<td></td>
<td>• To work offline with data in SharePoint 2010, IT previously created a link between Microsoft Office Access 2007 and SharePoint 2010.</td>
</tr>
<tr>
<td></td>
<td>• While he is in flight and disconnected, Jeff changes product information in the Access 2007 database.</td>
</tr>
<tr>
<td></td>
<td>• When Jeff returns to the hotel, he connects to the network to update his team with the changes he made to the Access database.</td>
</tr>
</tbody>
</table>
Microsoft Office 2010 with SharePoint 2010

company’s product information database in Microsoft Access 2010, which is published to Access Services in SharePoint 2010. Last time Jeff updated the database, Access 2010 cached the data from SharePoint 2010 in local database tables by default, using Access Services.

- While in flight and disconnected, Jeff changes Access 2010 forms, reports, queries, and macros offline, knowing that Access 2010 will update the company’s database when he reconnects.

- He also sends a note to his team to make a few changes to his presentation.
- When Jeff arrives, he reconnects to get the updated presentation and finds that his hotel has a slow connection. Despite the low bandwidth connection, all changes are automatically synchronized between SharePoint Workspace and SharePoint quickly since only the changes are sent and received, saving him time and frustration. He also knows his work is secure because it is all encrypted. He opens his presentation in the workspace and sees that his team has polished it for him.

Microsoft Office 2007 with SharePoint 2010

- Jeff also synchronizes the updated presentation in Groove 2007 with the SharePoint 2010 library. Since there are many graphics in the presentation, it is a large file and the synchronization across the low network bandwidth is time consuming.

Benefit: Empower All Your People for Critical Interactions

- Save time working away from the office
- Resolve customer or other issues faster
The Practical Productivity Platform

Today’s business world demands that information technology (IT) department support the business to overcome increasingly complex challenges while operating within a reduced budget. At the same time, organizations must support a broader array of devices securely and meet compliance requirements with fewer resources, better response times, and lower costs.

Office 2010 with SharePoint 2010

Unlock more value from LOB systems while helping people across the organization increase productivity.

With Microsoft Office 2010 and SharePoint 2010 capabilities, people are empowered with read and write access to line-of-business (LOB) applications and external data sources (such as SQL, Oracle, SAP, CRM, Siebel, Web services, and custom applications), whether they are online or offline. They can now access the back-end data and business processes through their familiar Microsoft Office applications with no additional training, and extend the reach of LOB data across the organization.

Scenario

Provide people with read and write access to external data sources, as well as the capability to take data offline.

Let’s consider an example in which the Line-of-Business Manager, Chris Barry, has to update the budget information for an internal project and get it approved by the Finance Director, Sara Davis.
### FEATURES

**Business Connectivity Services**
- **Offline and Online Access to LOB Data**

<table>
<thead>
<tr>
<th>Microsoft Office 2010 with SharePoint 2010</th>
<th>Microsoft Office 2007 with SharePoint 2010</th>
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<tbody>
<tr>
<td>• The company that Chris, the Line-of-Business Manager, works for has taken advantage of SharePoint 2010 Business Connectivity Services (BCS) to connect to and provide read and write access to LOB information from the company’s ERP system using Microsoft Excel 2010.</td>
<td>• Chris’s company has taken advantage of SharePoint 2010 Business Connectivity Services (BCS) to connect and surface line-of-business information from the company’s ERP system and use it in Microsoft Office Excel 2007.</td>
</tr>
<tr>
<td>• Chris opens the budget monitoring report in Excel 2010 to look into the budget information for an internal project, Payroll System Upgrade. He needs information such as actual budget, planned budget, variance, and more.</td>
<td>• Chris opens the custom budget monitoring report in Excel 2007 to look into the budget information for an internal project, Payroll System Upgrade. He needs information such as actual budget, planned budget, variance, and more.</td>
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</tbody>
</table>
After she reconnects to the network at home that evening, Sara's updates are synchronized back to SharePoint and the ERP database using BCS.

**Benefit: Rapidly Deliver Customized Business Productivity Solutions**

- Shorten time-to-market
- Improve adoption of solutions
- Reduce development costs
Conclusion

Microsoft Office 2010, when used with Microsoft SharePoint 2010, maximizes existing investments by extending server and services capabilities to people’s desktops, mobile devices, and browsers through familiar and intuitive applications. The latest versions of these platforms were developed together for maximizing productivity, with the expressed purpose of delivering a wealth of server and services capabilities to information workers and enabling the most powerful user experience possible. *The combined deployment of Office 2010 and SharePoint 2010 provide new and improved capabilities compared to their previous versions. The latest client programs and server technologies is necessary to experience the best capabilities and performance, while achieving more valuable benefits for your business.*
Appendixes: Capability Comparison Tables

The tables in this section contain a detailed comparison of the capabilities of different versions of Microsoft Office with SharePoint 2010; and then Microsoft Office 2010 with different versions of SharePoint.

Below is an explanation of the symbols you will see throughout the comparison tables:

<table>
<thead>
<tr>
<th>Capability</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>☀️</td>
<td>Capability is fully supported</td>
</tr>
<tr>
<td>🌓</td>
<td>Capability is partially supported</td>
</tr>
<tr>
<td>☓</td>
<td>Capability is not supported</td>
</tr>
</tbody>
</table>

Appendix A: Microsoft SharePoint 2010 with Different Versions of Microsoft Office

Work Better Together

<table>
<thead>
<tr>
<th>Capability</th>
<th>Microsoft Office 2010</th>
<th>Microsoft Office 2007</th>
<th>Microsoft Office 2003</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Co-author Documents and Presentations</strong></td>
<td>☀️</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Share ideas with other people simultaneously and see what areas of a document have changed.</td>
<td>With co-authoring, work together in Word 2010 and PowerPoint 2010 and see others’ changes tracked as you work with documents hosted in SharePoint 2010.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Simultaneously Edit Spreadsheets and Notebooks</strong></td>
<td>☀️</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Work together on content using a Web browser.</td>
<td>Use Excel 2010 Web App to edit the same workbook at the same time or simultaneously edit the same shared notebook with others through the OneNote Web App.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Share a Team Notebook</strong></td>
<td>☀️</td>
<td>☓</td>
<td></td>
</tr>
<tr>
<td>Enable multiple people to add to and change the same shared notebook, and author names appear in near real time as authors make changes.</td>
<td>Shared notebooks in OneNote 2010 provide a clear trail of what other authors have changed since the user last opened the notebook.</td>
<td>Work with others in a shared notebook in Office OneNote 2007, but without a complete audit trail.</td>
<td></td>
</tr>
<tr>
<td>Feature</td>
<td>Microsoft Office 2010</td>
<td>Microsoft Office 2007</td>
<td>Microsoft Office 2003</td>
</tr>
<tr>
<td>---------</td>
<td>------------------------</td>
<td>------------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td><strong>Broadcast Slide Shows in PowerPoint</strong></td>
<td>![Feature Icon]</td>
<td>![Feature Icon]</td>
<td>![Feature Icon]</td>
</tr>
<tr>
<td>Share a presentation over the Web for remote or networked viewers.</td>
<td>Instantly broadcast your slides to a remote audience who can view them online, even if they don't have PowerPoint installed.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Save Documents and Presentations Directly to SharePoint from Office</strong></td>
<td>![Feature Icon]</td>
<td>![Feature Icon]</td>
<td>![Feature Icon]</td>
</tr>
<tr>
<td>Automatically discover the SharePoint document library to make saving content easy and intuitive.</td>
<td>People can save Office 2010 documents directly to the SharePoint 2010 document library from the new Office Backstage view.</td>
<td>Save documents to SharePoint, but without the simplicity of the Backstage view.</td>
<td></td>
</tr>
</tbody>
</table>

### Bring Ideas to Life

<table>
<thead>
<tr>
<th>Feature</th>
<th>Microsoft Office 2010</th>
<th>Microsoft Office 2007</th>
<th>Microsoft Office 2003</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PowerPivot for Excel 2010</strong></td>
<td>![Feature Icon]</td>
<td>![Feature Icon]</td>
<td>![Feature Icon]</td>
</tr>
<tr>
<td>PowerPivot for Excel 2010, a free add-in, provides Web-based analysis in SharePoint 2010. Use data from multiple sources and manipulate large data sets that have up to hundreds of millions of rows.</td>
<td>Publish Excel 2010 workbooks to SharePoint that were created with PowerPivot for Excel 2010, a free Web download that can quickly calculate data sets of hundreds of millions of rows from multiple sources. PowerPivot for SharePoint 2010 enables Web-based analysis through Excel Services or the Excel Web App.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Publish and Share Through Excel Services</strong></td>
<td>![Feature Icon]</td>
<td>![Feature Icon]</td>
<td>![Feature Icon]</td>
</tr>
<tr>
<td>Share analysis and results across the organization by publishing Excel spreadsheets to the Web or other SharePoint site (intranet or extranet).</td>
<td>Use the new Office Backstage view in Excel 2010 to selectively publish parts of a worksheet, hide formulas, and stage data to SharePoint 2010. Publish and share analysis with less effort and enable others to enjoy the same Slicers and fast-query capabilities, even when they work in Excel Services reports.</td>
<td>Manually navigate to SharePoint sites and specify which components of the workbook will be visible when published to the Excel Services site.</td>
<td></td>
</tr>
<tr>
<td><strong>Microsoft Access Design</strong></td>
<td>![Feature Icon]</td>
<td>![Feature Icon]</td>
<td>![Feature Icon]</td>
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<tr>
<td></td>
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<tr>
<td><strong>for the Web</strong></td>
<td>Microsoft Office 2010</td>
<td>Microsoft Office 2007</td>
<td>Microsoft Office 2003</td>
</tr>
<tr>
<td>-----------------</td>
<td>-----------------------</td>
<td>-----------------------</td>
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</tr>
<tr>
<td>Microsoft Access applications developed in ‘Design for Web’ mode can be designed and edited for publishing to SharePoint 2010, so people can share, collect, and report on data.</td>
<td>Use Access 2010 to publish data, forms, logic/macros, and reports with nearly the same look and feel in the browser as Access 2010 on a PC.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Automate Metadata Capture</strong></td>
<td>Use Word 2010 to provide better and more automated metadata capture from Backstage view, including document information either added automatically or typed quickly in AutoComplete fields.</td>
<td>Use the document information panel to manually capture metadata from within Office 2007.</td>
<td></td>
</tr>
<tr>
<td>Make information more accessible, perceptible, discoverable, manageable, and reusable.</td>
<td></td>
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</tr>
<tr>
<td><strong>Use Office Backstage™ View</strong></td>
<td>By using the Backstage view in Office 2010 applications, people can enter metadata, interact with workflows, access authors’ profiles, and more. Because Backstage view is extensible, people can add custom actions to suit custom needs.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seamlessly connect Microsoft Office applications with SharePoint 2010 to provide access to workflow, the ability to enter metadata, and social context.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Access SharePoint Templates</strong></td>
<td>People can access document templates stored in SharePoint 2010 via the New Document Wizard in Microsoft Office applications.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Access document templates stored on SharePoint 2010 more quickly and easily.</td>
<td></td>
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</tr>
<tr>
<td><strong>Apply PowerPoint Themes to SharePoint Sites</strong></td>
<td>People can theme SharePoint 2010 sites by using the same themes as in PowerPoint 2010.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Make customization of SharePoint 2010 sites more flexible by using themes that are also used in presentation decks.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Use Reusable Workflows</td>
<td>Microsoft Office 2010</td>
<td>Microsoft Office 2007</td>
<td>Microsoft Office 2003</td>
</tr>
<tr>
<td>------------------------------</td>
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<tr>
<td>Support workflows that can</td>
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<td></td>
</tr>
<tr>
<td>be used multiple times,</td>
<td>SharePoint Designer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>and provide workflow</td>
<td>2010 supports reusable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>templates for later use in</td>
<td>workflows and workflows</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SharePoint 2010.</td>
<td>attached to content types.</td>
<td></td>
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</tr>
<tr>
<td>Visualize Workflow</td>
<td></td>
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<tr>
<td>Allow a workflow designer</td>
<td></td>
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<tr>
<td>to see the steps in a</td>
<td>Workflows developed as</td>
<td></td>
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</tr>
<tr>
<td>SharePoint 2010 workflow</td>
<td>drawings and exported</td>
<td></td>
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</tr>
<tr>
<td>in a visual format.</td>
<td>from Microsoft Visio®</td>
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<tr>
<td></td>
<td>2010 can be imported</td>
<td></td>
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<td></td>
<td>into SharePoint Designer 2010</td>
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<td>for modification and</td>
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<td></td>
<td>deployment.</td>
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<tr>
<td>Use Forms-Based</td>
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<tr>
<td>Applications</td>
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<tr>
<td>Forms-based applications</td>
<td>Connect InfoPath 2010</td>
<td></td>
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<tr>
<td>connect with back-end data</td>
<td>forms with back-end</td>
<td></td>
<td></td>
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<tr>
<td>and include workflow,</td>
<td>data by using external</td>
<td></td>
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<tr>
<td>reporting, custom Web</td>
<td>lists in SharePoint 2010</td>
<td></td>
<td></td>
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<tr>
<td>pages, and other</td>
<td>and include custom sandboxed</td>
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<tr>
<td>components.</td>
<td>solution code.</td>
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</tr>
</tbody>
</table>

### Use Office Anywhere

<table>
<thead>
<tr>
<th>View and Edit Documents,</th>
<th>Microsoft Office 2010</th>
<th>Microsoft Office 2007</th>
<th>Microsoft Office 2003</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spreadsheets, Presentations,</td>
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<td></td>
</tr>
<tr>
<td>and Notebooks in the</td>
<td>View and make light</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Browser</td>
<td>edits to documents</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Allow editing, even if</td>
<td>through Office Web</td>
<td></td>
<td></td>
</tr>
<tr>
<td>applications are not loaded</td>
<td>Apps in a supported</td>
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<tr>
<td>on a PC.</td>
<td>Web browser.</td>
<td></td>
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<tr>
<td></td>
<td>Document formatting and</td>
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<tr>
<td></td>
<td>content are maintained</td>
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<td>in high fidelity when</td>
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<td></td>
<td>changes are made in the</td>
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<td></td>
<td>browser. Web applications</td>
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<tr>
<td></td>
<td>can be hosted on the</td>
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<td></td>
<td>premises, running in</td>
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<tr>
<td></td>
<td>SharePoint.</td>
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</tbody>
</table>

<p>| Mobile Access Enhancements   | Office Mobile 2010      |                       |                       |
| View and edit documents from | delivers an improved    |                       |                       |
| a mobile device, even when   | authoring and editing   |                       |                       |
| on the go.                   | experience for Word,    |                       |                       |
|                              | Excel, and PowerPoint, |                       |                       |
|                              | which is               |                       |                       |</p>
<table>
<thead>
<tr>
<th>Microsoft Office 2010</th>
<th>Microsoft Office 2007</th>
<th>Microsoft Office 2003</th>
</tr>
</thead>
<tbody>
<tr>
<td>available from Windows and Nokia e-series phones. It also offers improved touch-friendly navigation and introduces SharePoint Workspace Mobile for browsing SharePoint sites and opening and synching documents to a phone.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Work Offline with an Improved Experience in Microsoft Access</strong>&lt;br&gt;Edit Access forms, reports, queries, and macros offline and synchronize changes in SharePoint when reconnected to the network.</td>
<td>Data in Microsoft SharePoint 2010 lists is cached in Access 2010 by default.</td>
<td>Before working offline with data from SharePoint sites, people must manually create links between Access 2007 tables and SharePoint 2010 lists.</td>
</tr>
<tr>
<td><strong>Collaborate Offline and Online</strong>&lt;br&gt;Work offline with SharePoint 2010 contents. When you reconnect to the network, changes are synchronized.</td>
<td>Take SharePoint 2010 document libraries and lists and work offline with SharePoint Workspace 2010.</td>
<td>Work offline in SharePoint 2010 document libraries only through Office Groove® 2007.</td>
</tr>
<tr>
<td><strong>Fill in Forms Offline</strong>&lt;br&gt;SharePoint list forms are synchronized with the workspace so people can work offline.</td>
<td>SharePoint 2010 list items open in an InfoPath 2010 form that is hosted in SharePoint for edit in display mode.</td>
<td></td>
</tr>
<tr>
<td><strong>Extend the Reach of Forms</strong>&lt;br&gt;Fill in InfoPath forms from a Web browser or mobile device, while online or offline.</td>
<td>The InfoPath 2010 forms solution offers embedded solutions using local or hosted InfoPath controls.</td>
<td>Limited InfoPath 2007 controls work on Web-enabled and mobile forms.</td>
</tr>
<tr>
<td><strong>Publish Access Databases to the Web</strong>&lt;br&gt;Securely publish database applications to the Web so IT managers can meet requirements for data compliance, backup, and audits.</td>
<td>When you publish data, Access 2010 checks for incompatible objects and builds a report of any runtime differences between the client and server. Access Services is a</td>
<td>While publishing data from Access 2007, people must manually check whether objects created in Access can be supported in the server or not.</td>
</tr>
</tbody>
</table>
### The Practical Productivity Platform

<table>
<thead>
<tr>
<th>Feature</th>
<th>Microsoft Office 2010</th>
<th>Microsoft Office 2007</th>
<th>Microsoft Office 2003</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Access LOB Data Offline and Online</strong></td>
<td>✅</td>
<td>✅</td>
<td></td>
</tr>
<tr>
<td>Take LOB data offline, and then synchronize</td>
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<tr>
<td>changes automatically when you are back</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>online.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Use Business Data Applications</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Design forms for SharePoint 2010 that</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>create, read, update, and delete business</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>data from a back-end system.</td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Enhance Information Security and Integrity with Digital Signatures</strong></td>
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</tr>
<tr>
<td>Help ensure the integrity of information</td>
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<tr>
<td>contained in forms with the controls</td>
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<tr>
<td>necessary to enable single, co-sign, and</td>
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<tr>
<td>counter-sign scenarios for the full form</td>
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<td></td>
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<tr>
<td>or portions of the form.</td>
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<tr>
<td><strong>Publish Forms in a Single</strong></td>
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</tr>
<tr>
<td><strong>Click</strong></td>
<td>Microsoft Office 2010</td>
<td>Microsoft Office 2007</td>
<td>Microsoft Office 2003</td>
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<tr>
<td>-----------</td>
<td>-----------------------</td>
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</tr>
<tr>
<td>Avoid clicking through the Publishing Wizard every time you update forms published in SharePoint 2010.</td>
<td>Use “quick” publish functionality in InfoPath 2010 to publish forms to SharePoint 2010 in a single click.</td>
<td>Publish data from forms through a publishing wizard.</td>
<td></td>
</tr>
<tr>
<td><strong>Manage Forms More Easily</strong></td>
<td>V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>More easily manage form versions, updates, and upgrades in SharePoint 2010 to ensure that team members are working on correct versions.</td>
<td>V</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Use LOB Data in Applications</strong></td>
<td>V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Provide a SharePoint-based framework for creating Office Business Applications (OBA).</td>
<td>Business Connectivity Services (BCS) provides the read/write capability to connect SharePoint 2010 and Microsoft Office client applications to external data sources (such as SQL, Oracle, SAP, CRM, Siebel, Web services, and custom applications).</td>
<td>Use the BCS within SharePoint to provide read access and surface LOB information in Office client applications.</td>
<td></td>
</tr>
<tr>
<td><strong>Package and More Easily Move InfoPath Applications</strong></td>
<td>V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>More easily move InfoPath applications from site to site and server to server.</td>
<td>Package InfoPath 2010 applications more quickly and easily using the Windows SharePoint Services solutions (.wsp) and SharePoint site template (.stp) file formats.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Appendix B: Microsoft Office 2010 with Different Versions of Microsoft SharePoint

Work Better Together

<table>
<thead>
<tr>
<th>Co-author Documents and Presentations</th>
<th>SharePoint 2010</th>
<th>SharePoint 2007</th>
<th>SharePoint 2003</th>
</tr>
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<tbody>
<tr>
<td>Share ideas with other people simultaneously and see what areas of a document have changed.</td>
<td>With co-authoring, work together in Word 2010 and PowerPoint 2010, and see others’ changes tracked in documents hosted in SharePoint 2010.</td>
<td></td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Simultaneously Edit Spreadsheets and Notebooks</th>
<th>SharePoint 2010</th>
<th>SharePoint 2007</th>
<th>SharePoint 2003</th>
</tr>
</thead>
<tbody>
<tr>
<td>Work together on content using a Web browser.</td>
<td>Use Excel 2010 Web App to edit the same workbook at the same time or simultaneously edit the same shared notebook with others through the OneNote Web App.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Highlight Changes in Shared Notebooks</th>
<th>SharePoint 2010</th>
<th>SharePoint 2007</th>
<th>SharePoint 2003</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enable multiple people to edit the same shared notebook. Author names appear in near real time as changes are made.</td>
<td>Shared notebooks in OneNote 2010 provide a clear trail of what other authors have changed since the user last opened the notebook.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Broadcast Slide Shows in PowerPoint</th>
<th>SharePoint 2010</th>
<th>SharePoint 2007</th>
<th>SharePoint 2003</th>
</tr>
</thead>
<tbody>
<tr>
<td>Share a presentation over the Web for remote or networked viewers.</td>
<td>Instantly broadcast your slides to a remote audience who can view them online, even if they don't have PowerPoint installed.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Save Documents and Presentations Directly to SharePoint</th>
<th>SharePoint 2010</th>
<th>SharePoint 2007</th>
<th>SharePoint 2003</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automatically discover SharePoint document libraries to make saving content easier and more intuitive.</td>
<td>People can save Office 2010 documents directly to the SharePoint 2010 document library from Office Backstage view.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Bring Ideas to Life

<table>
<thead>
<tr>
<th></th>
<th>SharePoint 2010</th>
<th>SharePoint 2007</th>
<th>SharePoint 2003</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PowerPivot for Excel 2010</strong>&lt;br&gt;PowerPivot for Excel 2010, a free add-in, provides Web-based analysis in SharePoint. Analyze data from multiple sources and manipulate large data sets that have up to hundreds of millions of rows.</td>
<td><img src="https://placehold.it/150x150" alt="Image" /></td>
<td><img src="https://placehold.it/150x150" alt="Image" /></td>
<td><img src="https://placehold.it/150x150" alt="Image" /></td>
</tr>
<tr>
<td><strong>Publish and Share Information Through Excel Services</strong>&lt;br&gt;Share analysis and results across the organization by publishing Excel 2010 spreadsheets to the Web or other SharePoint sites (intranet, extranet).</td>
<td><img src="https://placehold.it/150x150" alt="Image" /></td>
<td><img src="https://placehold.it/150x150" alt="Image" /></td>
<td><img src="https://placehold.it/150x150" alt="Image" /></td>
</tr>
<tr>
<td><strong>Microsoft Office Access Design for the Web</strong>&lt;br&gt;Design and edit Microsoft Access 2010 applications in Design for Web mode and then publish them to SharePoint, so people can share, collect, and report on data.</td>
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<tr>
<td><strong>Automate Metadata Capture</strong>&lt;br&gt;Provide better, automated metadata capture in SharePoint to make information more accessible, perceptible, discoverable, navigable, manageable, and re-usable.</td>
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</table>

- Publish Excel 2010 workbooks to SharePoint that were created with PowerPivot for Excel 2010, a free Web download that can quickly calculate data sets of hundreds of millions of rows from multiple sources. PowerPivot for SharePoint 2010 enables Web-based analysis through Excel Services or the Excel Web App.

- Use the new Office Backstage view in Excel 2010 to selectively publish parts of a worksheet, hide formulas, and stage data to SharePoint 2010. Publish and share analysis with less effort and enable others to enjoy the same Slicers and fast-query capabilities, even when they work in Excel Services reports.

- Use Access 2010 to publish data, forms, logic/macros, and reports with nearly the same look and feel in the browser as in Access 2010 on a PC.

- Use Word 2010 to provide better and more automated metadata capture from Backstage view, including document information added.
## SharePoint 2010 | SharePoint 2007 | SharePoint 2003

**Use Office Backstage View**
Seamlessly connect Office 2010 applications with SharePoint to provide workflow, the ability to enter metadata, and social context.

- Using Office Backstage view in Office 2010 applications, people can enter metadata, interact with workflows, access authors’ profiles, view recent content the author has created in SharePoint 2010, and more.
- By using Office Backstage view in Office 2010 applications, people can enter metadata and interact with workflows.

**Access SharePoint Templates**
Access Office 2010 document templates stored in SharePoint more quickly and easily.

- People can access document templates stored in SharePoint 2010 via the New Document wizard in Office 2010 applications.

**Apply PowerPoint Themes to SharePoint**
Customize SharePoint sites using PowerPoint 2010 presentation themes.

- People can apply PowerPoint 2010 themes to SharePoint 2010 sites.

**Use Reusable Workflows**
Support workflows people can use multiple times and provide workflow templates in SharePoint.

- SharePoint Designer 2010 supports reusable workflows and workflows attached to content types.

**Visualize Workflow**
Workflow designers can see the steps in a SharePoint workflow in a visual format.

- Import workflows developed as drawings and exported from Visio 2010 into SharePoint Designer 2010 for modification and deployment.

**Use Forms-Based Applications**
Forms-based applications connect with back-end data and include workflow, reporting, custom Web pages, and other

- Connect InfoPath 2010 forms with back-end data by using external lists in
components. SharePoint 2010, and include custom sandboxed solution code.

**Provide the Office Ribbon for InfoPath Forms Web Services**

Take advantage of the Office Ribbon Fluent user interface for Web-enabled forms so people can easily find, access, and use the features they want when designing Web-enabled forms. When used with SharePoint 2010, InfoPath Forms Services provides Web-enabled forms with their commands in a Ribbon interface.

<table>
<thead>
<tr>
<th><strong>Use Office Anywhere</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>View and Edit Documents, Spreadsheets, Presentations, and Notebooks in the Browser</strong></td>
</tr>
<tr>
<td>Allow editing, even if applications are not loaded on a PC. View and make light edits to documents through Office Web Apps in a browser. Document formatting and content are maintained when changes are made in the browser. Web Apps can be hosted on the premises, running in SharePoint.</td>
</tr>
<tr>
<td><strong>Mobile Access Enhancements</strong></td>
</tr>
<tr>
<td>View and edit documents from a mobile device even when on the go. Office Mobile 2010 delivers an improved authoring and editing experience for Word, Excel, and PowerPoint, which is available from Windows and Nokia e-series phones. It also offers improved touch-friendly navigation and introduces SharePoint Workspace Mobile for browsing SharePoint sites and opening and synching documents to a phone.</td>
</tr>
<tr>
<td><strong>Work Offline with an Improved Experience in Microsoft Access</strong></td>
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<tr>
<td>Data in SharePoint 2010</td>
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<td><strong>SharePoint 2010</strong></td>
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<td>---------------------</td>
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<tr>
<td><strong>Collaborate Offline and Online</strong>  &lt;br&gt; Work offline with SharePoint contents and when reconnected to the network, changes are synchronized.</td>
</tr>
<tr>
<td><strong>Fill in Forms Offline</strong>  &lt;br&gt; SharePoint list forms are synchronized so people can work offline.</td>
</tr>
<tr>
<td><strong>Extend the Reach of Forms</strong>  &lt;br&gt; Fill in InfoPath 2010 forms in a Web browser, while online or offline, and from a mobile device.</td>
</tr>
<tr>
<td><strong>Publish Access Databases to the Web</strong>  &lt;br&gt; Securely publish database applications to the Web so IT managers can meet data compliance, backup, and audit requirements.</td>
</tr>
</tbody>
</table>
### The Practical Productivity Platform

<table>
<thead>
<tr>
<th>Feature</th>
<th>SharePoint 2010</th>
<th>SharePoint 2007</th>
<th>SharePoint 2003</th>
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</thead>
<tbody>
<tr>
<td><strong>Use Business Data Applications</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Design forms for SharePoint that create, read, update, and delete business data from a back-end system.</td>
<td>✓</td>
<td></td>
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<tr>
<td>Business data applications start with an external list in SharePoint 2010 and use InfoPath Designer 2010 to create custom forms on top of the list.</td>
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<tr>
<td><strong>Access LOB Data Offline and Online</strong></td>
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<tr>
<td>Take LOB data offline and synchronize changes automatically when back online.</td>
<td>✓</td>
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<tr>
<td>Synchronize LOB data in both directions between SharePoint Workspace 2010 and enterprise LOB systems by bringing LOB data into SharePoint 2010 Sites and then taking it offline via SharePoint Workspace 2010.</td>
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<tr>
<td><strong>Enhance Information Security and Integrity with Digital Signatures</strong></td>
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<tr>
<td>Help ensure the integrity of information contained in forms with the controls necessary to enable single, co-sign, and counter-sign scenarios for the full form or portions of the form.</td>
<td>✓</td>
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<tr>
<td>InfoPath 2010 and SharePoint 2010 support cryptography next-generation (CNG) digitally signed content.</td>
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<tr>
<td><strong>Manage Forms More Easily</strong></td>
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<tr>
<td>More easily manage form versions, updates, and upgrades in SharePoint to ensure that team members are working in the correct version of a form.</td>
<td>✓</td>
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<tr>
<td>Automate template version management with SharePoint 2010 and InfoPath 2010 to provide an improved process for checking for template updates.</td>
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<tr>
<td><strong>Use LOB data in applications</strong></td>
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<tr>
<td>Provide a SharePoint-based framework for creating Office Business Applications (OBA).</td>
<td>✓</td>
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<tr>
<td>Business Connectivity Services (BCS) provides the read/write capability to connect SharePoint 2010 and Microsoft Office</td>
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<tr>
<td>Use Business Data Catalog within SharePoint to provide read access and surface LOB information in Office client applications</td>
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<td>✓</td>
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<td>---------------------------------------------------------------</td>
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</tr>
<tr>
<td>Insert LOB data as document properties to make critical information more findable, perceptible, and re-usable in SharePoint.</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Expose BCS data as Word 2010 document properties and insert it into documents.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Package and More Easily Move SharePoint Applications</th>
<th>SharePoint 2010</th>
<th>SharePoint 2007</th>
<th>SharePoint 2003</th>
</tr>
</thead>
<tbody>
<tr>
<td>Move InfoPath applications more easily from site to site and server to server.</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Package InfoPath 2010 applications more quickly and easily packaged by using Windows SharePoint Services solutions (.wsp) and SharePoint site template (.stp) file formats.</td>
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