



Business Intelligence on a technically enriched platform: SharePoint 2010 insight
July 2013



(please consult <http://www.Katprotech.com/whitepapers> for the latest version of this paper)

ABOUT KATPROTECHNOLOGIES:

Katpro Technologies is an advanced technology firm offering specialized services in Microsoft SharePoint Consulting, Microsoft .NET based IT development and Cloud based solutions. We work on emerging technologies in the Microsoft Platform providing customers with high performance and comprehensive solutions. We adapt ourselves to changing business needs and deliver our customers with high performance solutions that are relevant, futuristic, and scalable.

SharePoint 2010 is all about Collaboration, Portals, Social Computing, Knowledge Management, Governance, Search and Document Management. Microsoft SharePoint 2010 enables far better collaboration and helps people work together so that you can set up website, share information, publish reports and help your company respond to changing business needs. Comprehensive business solutions can be easily assembled to support a company's information management and business needs.

Why Us?

Focus

Technology startup with SharePoint focus. We specialize in SharePoint solution consulting, strategies for 2010 migration, implementation of intranet and internet facing solutions, web content management, and collaboration portals and specialized training solutions.

Expertise

Dedicated team of highly skilled and performance oriented team with technical expertise in Microsoft Technologies.

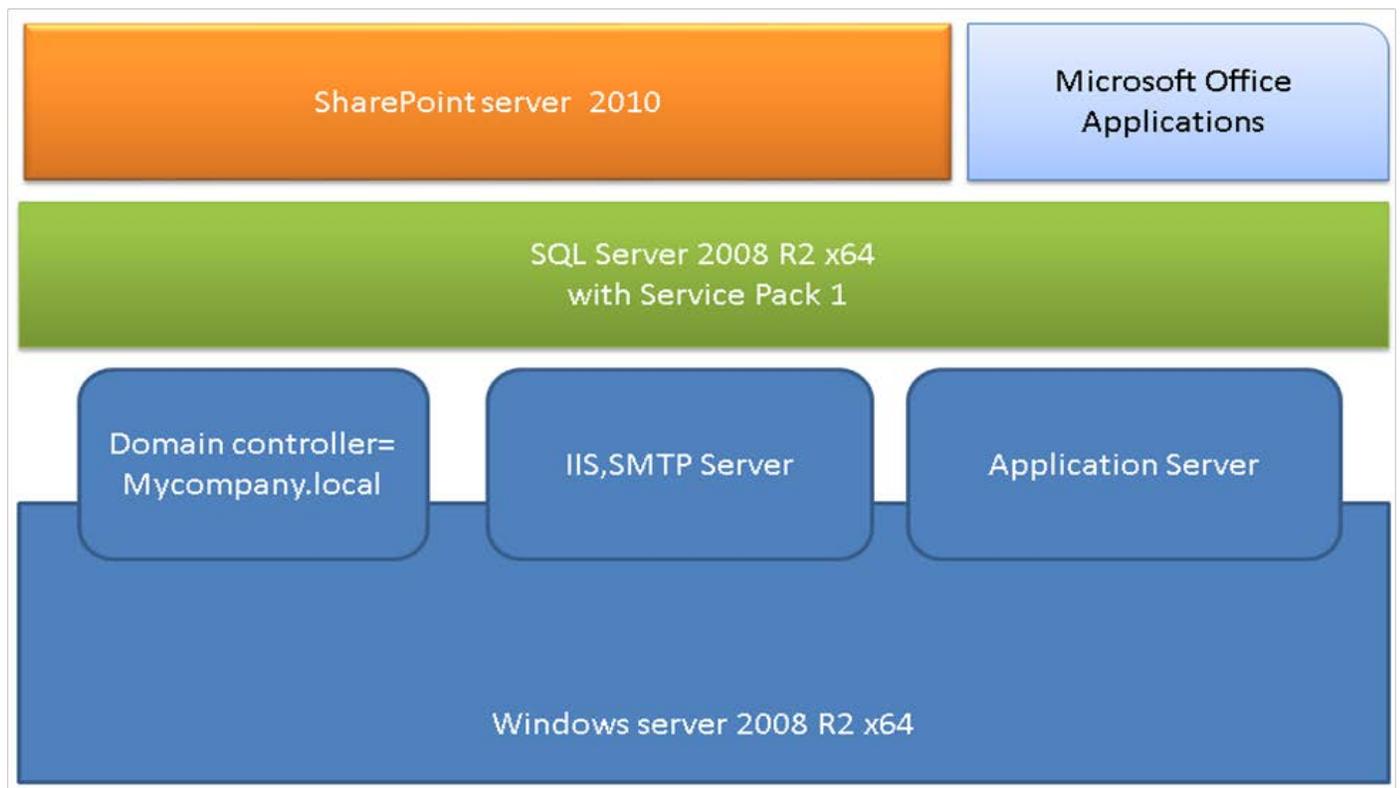
Commitment

Founders have immense technical background and experience working in top IT outsourcing companies in varied roles and responsibilities.

About this whitepaper

This paper describes typical BI implementation challenges and details how Microsoft Business Intelligence applications are designed to overcome these challenges—while empowering your people with business insights, improving your organizational effectiveness, and enabling IT and developer efficiencies.

The purpose of this document is to help readers understand the various components of Business Intelligence roadmap from a SharePoint perspective. It will arm BI decision makers and SharePoint implementers with the relevant information to prepare for a rollout of a Strong Business Intelligence Solution around SharePoint 2010.



An Insight-SharePoint 2010

SharePoint 2010 Insights let everyone access the business information they need to make good decisions. With powerful features like interactive dashboards and scorecards, users can access and configure the information in databases, reports and business applications to fit their exact needs. Microsoft Business Intelligence combines traditional BI with productivity and collaboration tools in order to:

1. Empower your users with business insights
2. Improve organizational effectiveness
3. Drive IT and developer efficiencies

Empower your users with business insights

- Create and analyze the information
- Share the most relevant metrics
- translate strategy into action and bring accountability
- Easily find and work with structured and unstructured information

Improve organizational effectiveness

When you choose Microsoft Business Intelligence, you can use BI in every part of your business productivity infrastructure. As insights are shared throughout the organization, decision making becomes more effective and organizational goals become more aligned. Microsoft helps improve organizational effectiveness by,

- Create context-driven dashboards
- Collaborate on data for more effective decision making
- Search for relevant BI content
- Manage structured and unstructured content
- Share insights throughout the organization

Drive IT and developer efficiencies

An integrated Business Intelligence solution from Microsoft helps minimize costs and complexity by leveraging existing IT investments Microsoft helps improve IT and developer effectiveness by,

- Increase productivity with familiar and intuitive tools
- Ensure data quality
- Easily manage the self-service environment

Business Intelligence SharePoint 2010-Insight

SharePoint 2010 provides the most integrated and user friendly Business Intelligence Solution in the market today. It brings a number of robust offerings,

Excel Service

Excel Services in SharePoint Server 2013 is a shared service that you can use to publish Excel 2013 workbooks on SharePoint Server. The published workbooks can be managed and secured according to your organizational needs and shared among SharePoint Server 2013 users, who can render the workbooks in a browser. Excel Services was introduced in Office SharePoint Server 2007 and is available only in the Enterprise edition of SharePoint Server 2013.

Business Intelligence Center > Excel Services Sample Workbook.xlsx

FILE OPEN IN EXCEL DATA FIND

Item Name

"Ready-To-Grow" Fe...	Brick Barbeque Set "...
Charcoal	Decorative Stones
Electric Hedge Clippers	Electric Push Lawn M...
Elegant Crystal Vase	Elegant Steel and GL...

Date

All Periods YEARS

2006 2007 2008 2009 2010 2011 2012

Sales Region	Purchase Amount
Australia	\$866.89
Canada	\$2,064.76
USA	\$1,810.71
Grand Total	\$4,742.36

Sales By Region

Reclining Lawn Chair Historic Prices

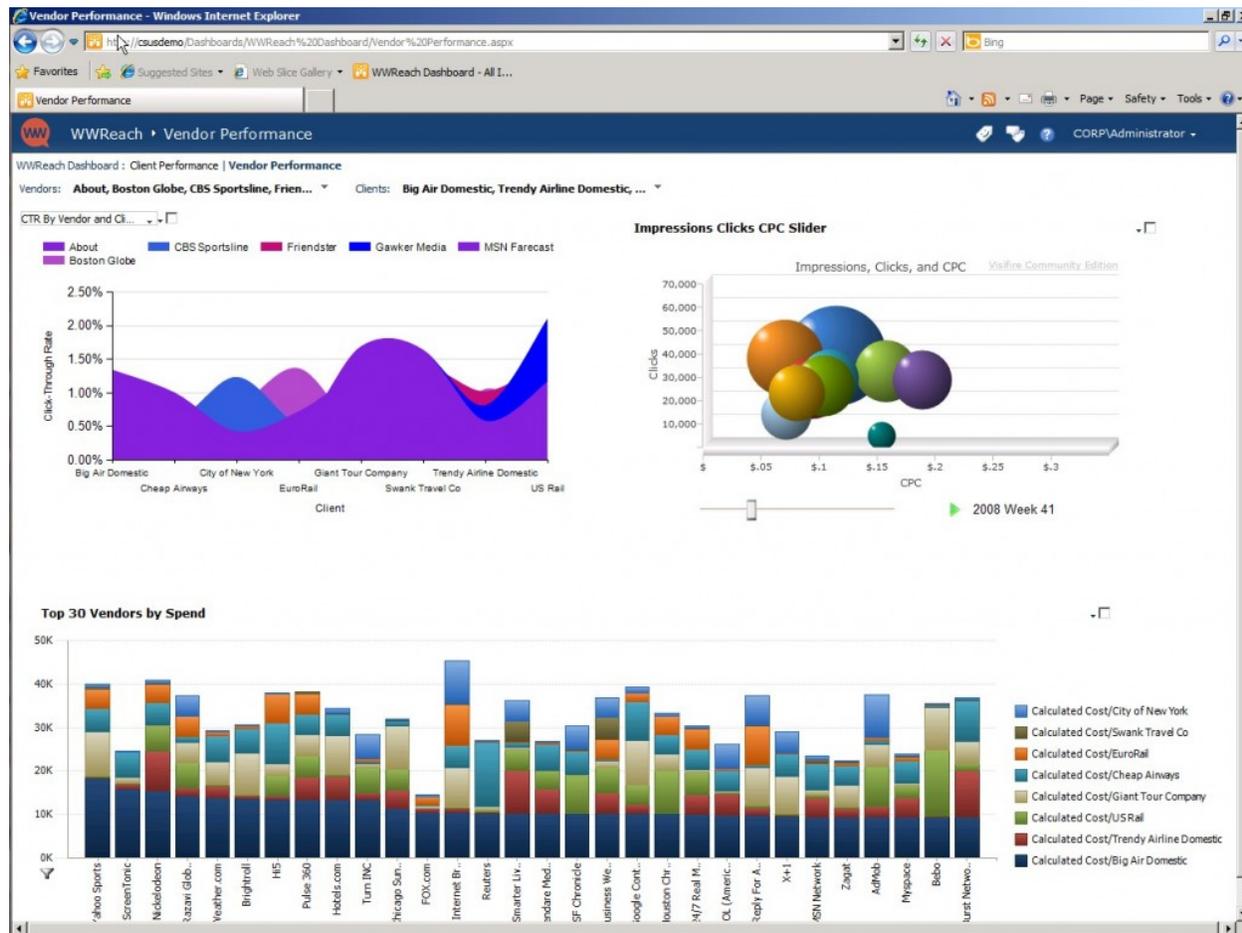
Date	Price
1/1/2006	\$19.99
3/1/2006	\$16.71
6/1/2006	\$17.50
9/1/2006	\$18.30
12/1/2006	\$19.09
1/1/2007	\$19.88
3/1/2007	\$20.67
6/1/2007	\$21.46
9/1/2007	\$22.26
12/1/2007	\$23.05
1/1/2008	\$23.84
3/1/2008	\$24.63
6/1/2008	\$25.62
9/1/2008	\$23.05
12/1/2008	\$22.26
1/1/2009	\$21.46
3/1/2009	\$20.67
6/1/2009	\$24.99
12/1/2009	\$23.84
1/1/2010	\$24.63
3/1/2010	\$25.62
6/1/2010	\$23.05
12/1/2010	\$22.26
1/1/2011	\$21.46
3/1/2011	\$20.67
6/1/2011	\$24.99
Grand Total	\$571.96

Most Ordered Items

Name	Number Ordered	In Stock	Stock Level	Cost Trend
Brick Barbeque Set "Make It Yourself!"	2	4	●	
Charcoal	3	49	●	
Electric Hedge Clippers	6	14	●	
Garden Hose	4	28	●	
Hedge Clippers	9	27	●	
Outdoor Sink	8	4	●	
Reclining Fabric Lawn Chair	10	11	●	
Sod	6	503	●	
Starter Fluid	3	74	●	
Weeder	6	18	●	

Power Pivot

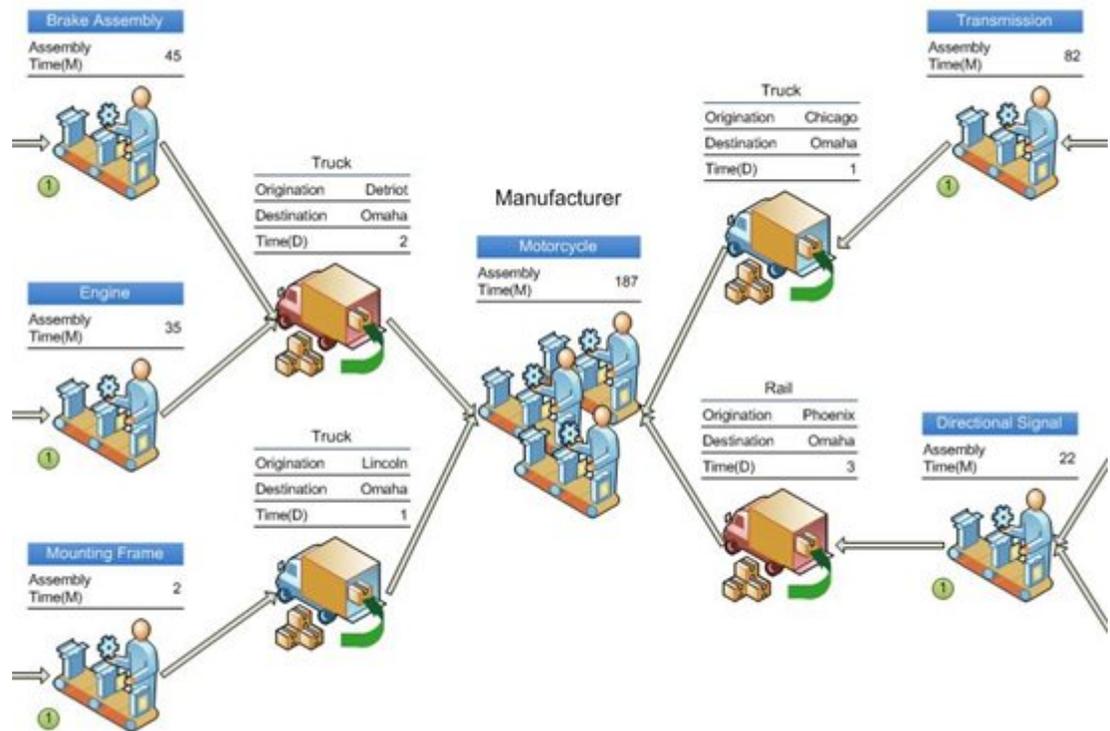
Microsoft SQL Server Power Pivot for SharePoint extends SharePoint 2010 and Excel Services to add server-side processing, collaboration, and document management support for the Power Pivot workbooks that you publish to SharePoint. If your organization uses the client application, Power Pivot for Excel, to create workbooks that contain analytical data, you must have Power Pivot for SharePoint to access that data in a server environment.



Visio Services

Visio Services lets user's share and view Visio Web drawings. It also enables data-connected Visio 2010 Web drawings to be refreshed and updated from various data sources. Visio Services runs as a SharePoint Server 2010 service application. Visio Services runs as a SharePoint Server 2013 service application.

A Visio service enables data-bound Visio drawings to be viewed in a web browser. They can also refresh data and recalculate the visuals of a data-connected Visio drawing hosted on a site. So a user will always see the latest and up to date information in a visual form.



PerformancePoint Services/Dashboards/Score Cards

SharePoint Server offers new and expanded ways of creating business intelligence dashboards using PerformancePoint Services. PerformancePoint Services is to enable you to create rich, context-driven dashboards that aggregate data and content to provide a complete view of how your business is performing at all levels. This included monitoring and analytic features such as dashboards, scorecards, key performance indicators, reports, filters and strategy maps, which are delivered via a monitoring server.

There were primarily two client user interfaces to the monitoring server, namely the Dashboard Designer and various SharePoint Web Parts. The Dashboard Designer was a thick client application downloaded from the monitoring server, which allowed power users to do the following:

- Create data source connections
- Create views that use those data connections
- Assemble the views in a dashboard
- Deploy the dashboard to Microsoft Office SharePoint Server 2007 or Windows SharePoint Services (WSS)

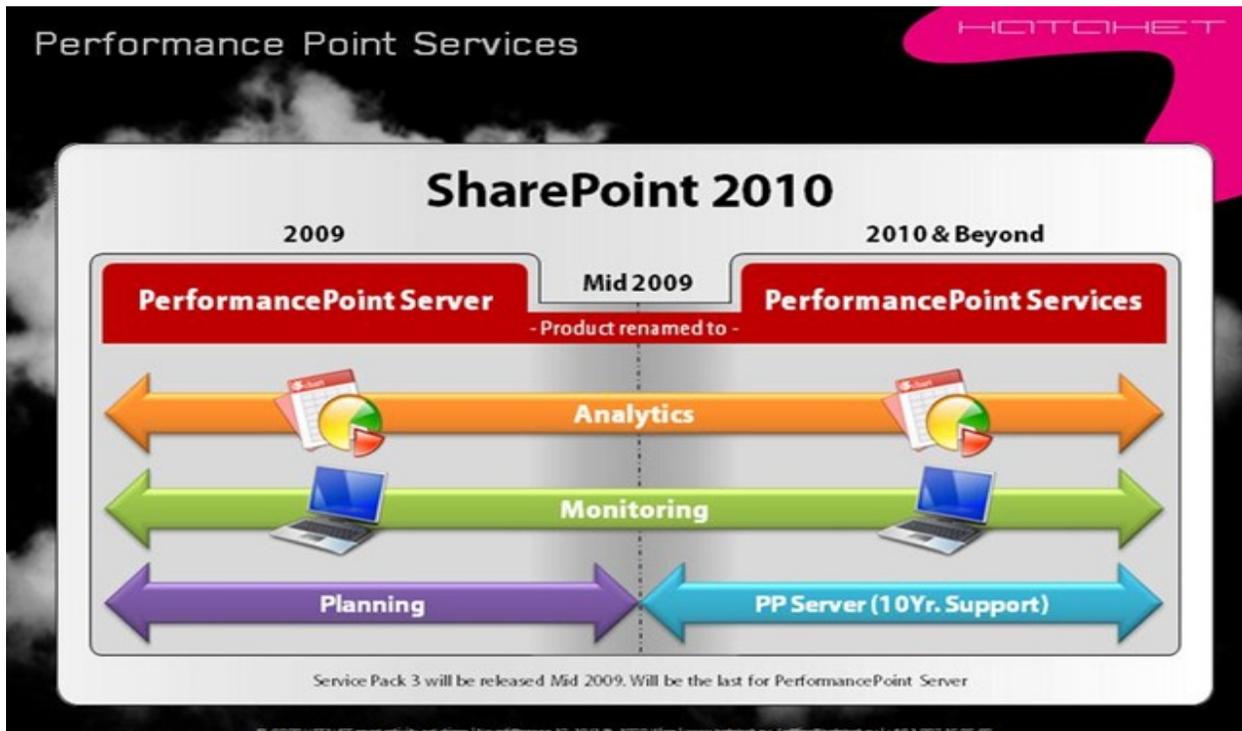
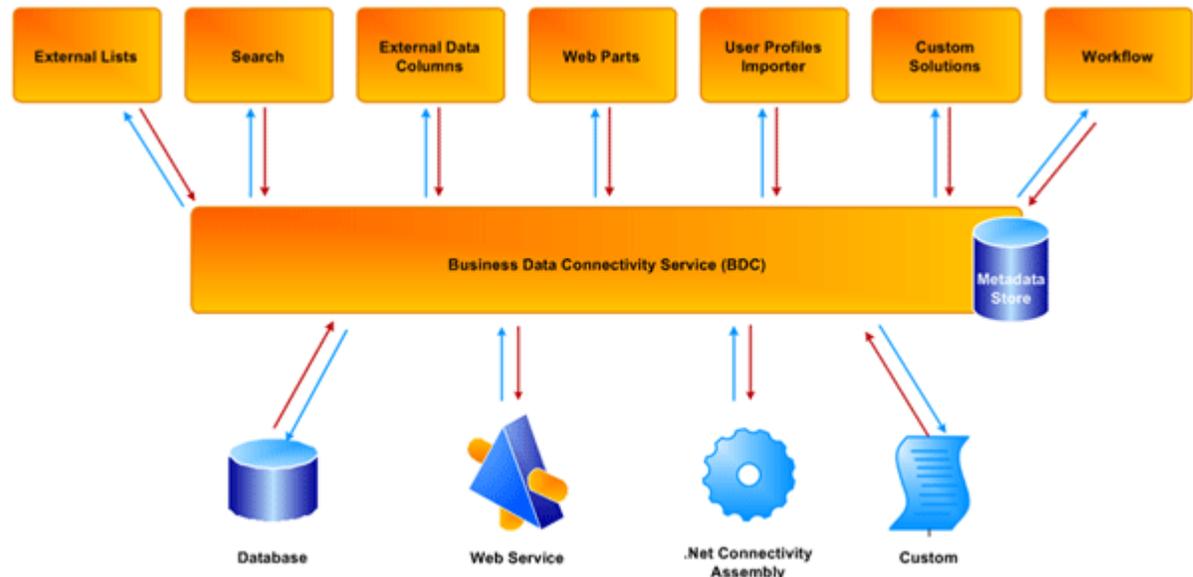


Chart web Parts, Status Indicator List

It can be created and added to sharepoint site to enables users to view performance and other types of information at a glance. A status indicator shows the indicator name, its numeric results, and an icon. Notice how the icon provides quick information. Typically, green icons indicate good performance, Red icons flag problem areas, and yellow icons warn of potential problems. This illustration shows just two indicators: one displays a green circle icon to indicate performance is on target, and one shows a yellow triangle to warn about marginal performance.

Business Connectivity Services

It provides read/write access to external data from line-of-business systems, web services, data bases, and other external systems within Microsoft SharePoint 2010 and Microsoft office 2010 applications. This is an evolution of the Business data catalog capabilities of SharePoint as a platform for developing Composite applications.



Conclusion

SharePoint 2010's INSIGHT capabilities help companies manage and access both

- Structured and unstructured data.
- Business Connectivity and Access Services
- Rapidly Create Sharepoint Solutions without code
- Maintain control over End-user solutions
- Efficient data consumption saves time and money
- Save time each day sifting through data
- Information cannot be consumed and used efficiently if it is difficult to find

