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Leaders in SharePoint Solutions

Business Intelligence and Business Connectivity Services in SharePoint 2010

March 26, 2010

IN COLLABORATION WITH

Microsoft®

Introductions

- Erik Moll, Information Worker Solution Specialist, Microsoft

- Peter Carson, President, Envision IT

- Peter Mackenzie, VP, Envision IT

- Joe Seguin, Senior Consultant, Envision IT

Envision IT

Focused on complex SharePoint solutions, Envision IT is the "go-to" partner for Microsoft SharePoint, building integrated public web sites, Intranets, Extranets, and web applications that leverage your existing systems anywhere over the Internet.

Our Focus

- Building solutions for intranets, collaboration portals, extranets and internets with SharePoint

- Extending SharePoint past out-of-the-box features

- Supporting our focus:
  - ➤ Custom .NET Development and Business Process Automation

  - ➤ Business Intelligence

  - ➤ Business Productivity Training

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SP2010 BI Seminar Attendees

Gartner Prediction

Gartner predicts that Collaborative Decision Making will emerge as a new style of decision support system that combines social software with BI Platform capabilities to bring decision makers together to discuss an issue, brainstorm options, evaluate their pros and cons and agree on a course of action.

Collaborative Decision Making

Target Audience

Knowledge Worker

Decision making a significant part of work

Decisions increasingly collaborative

Decision increasingly connected

Business Need

Disconnect between information, collaboration and decisions

Decision Best Practices

Decision Transparency

Capture knowledge

Build consensus

Solution

Collaborative Decision Making Environment

All Information

Collaboration

Business Intelligence

Content Management

Social Software

Decision tools

Why are Business Intelligence Tools Important?

Efficient data consumption saves time and money

We lose 30% of each day sifting through data

Information cannot be consumed and used efficiently if it is difficult to find

Business Intelligence

- What is Business Intelligence?
  - Analytics
  - OLAP
  - Data Mining
  - Benchmarking
- What information do decision makers need in order to make effective business critical decisions?

BI-Related Services in SharePoint 2010

Excel Services

Performance Point Services

Visio Services

Business Connectivity Services

Excel Services
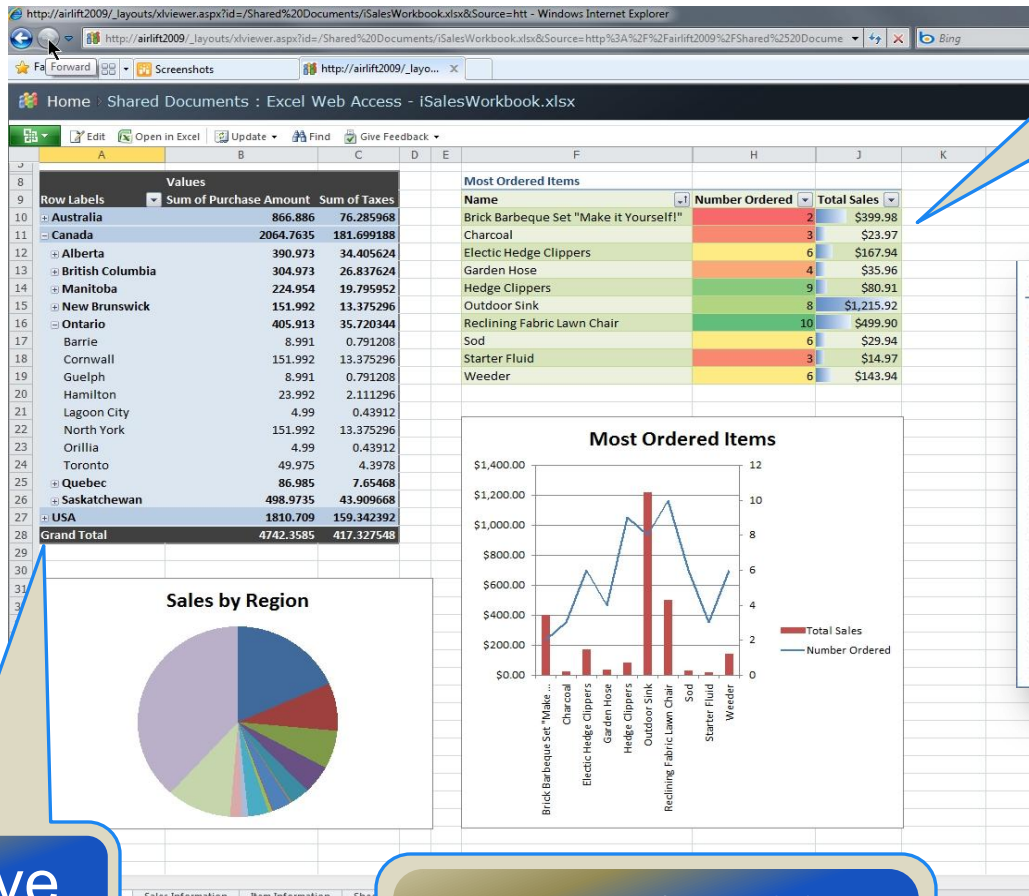
Dashboards and heat maps

Interactive PivotTables

Access to unlimited data secured in SharePoint with PowerPivot capabilities

Data Slicers

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Visio Services

Visio diagrams within a browser

Real-time, visual data

User Interaction with shapes, graphics, and hyperlinks

Real-time updates with connectivity to any data source

PerformancePoint Services

Visual scorecards

Detailed KPIs

Integration with SharePoint, including: administration, scalability and deployment

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PerformancePoint Services
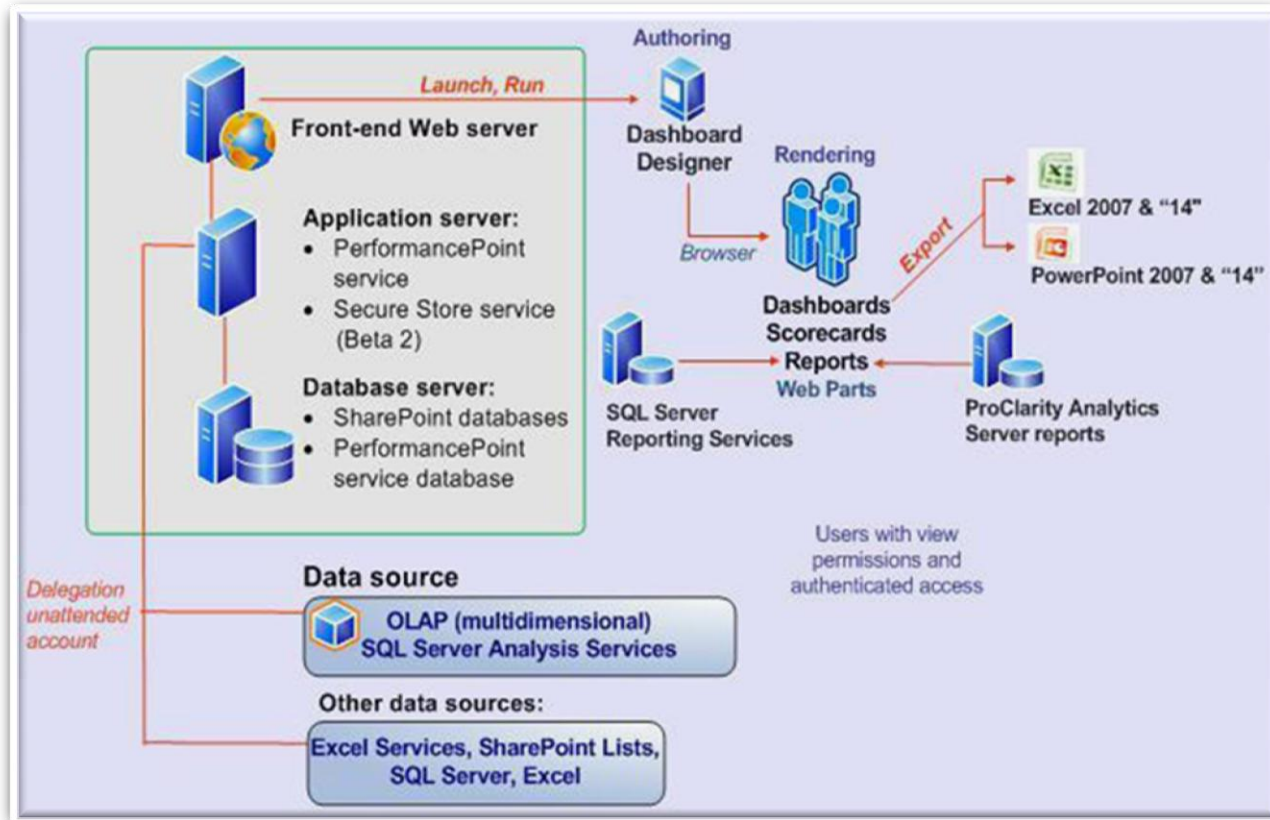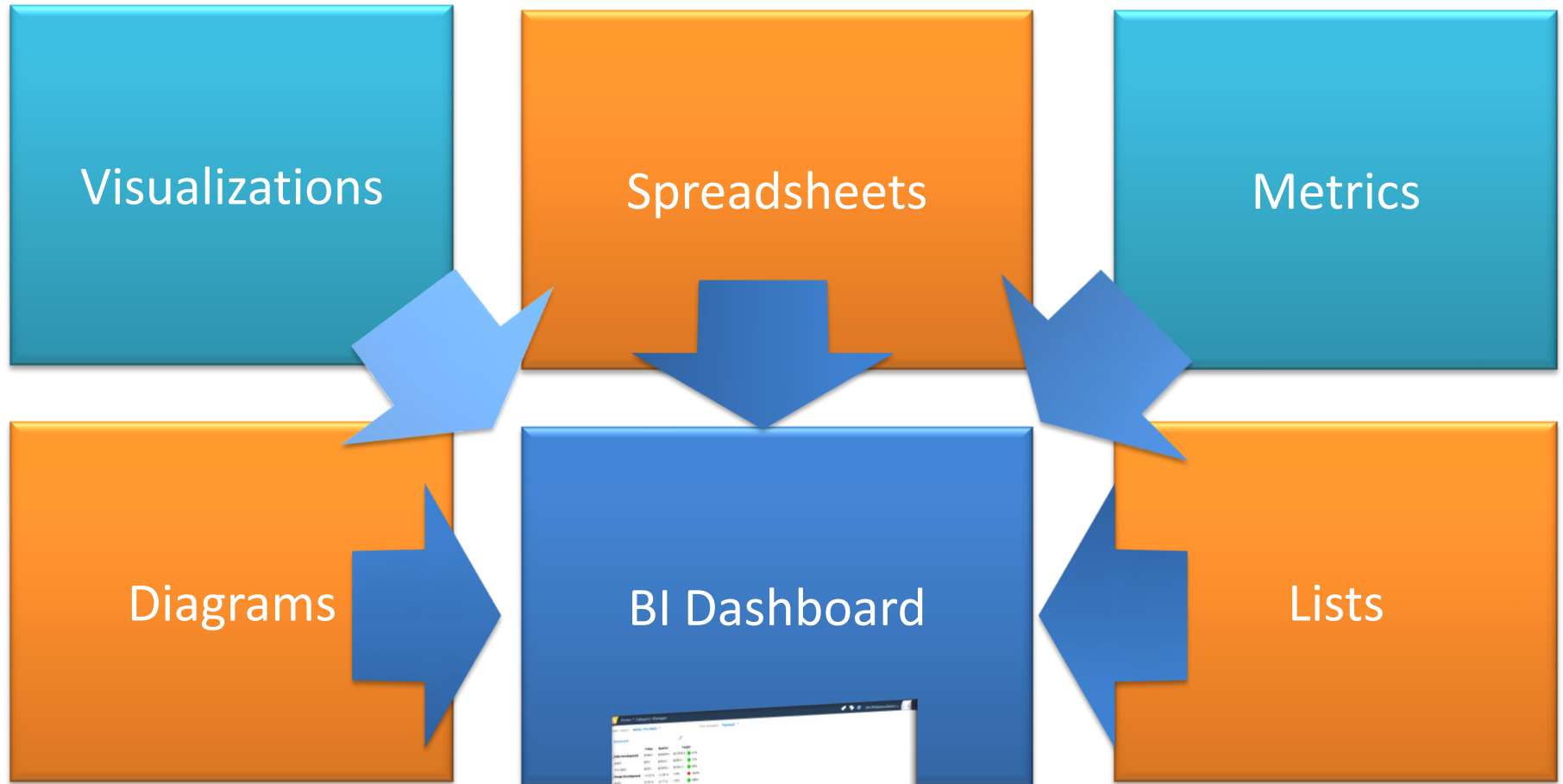
Business Connectivity Services
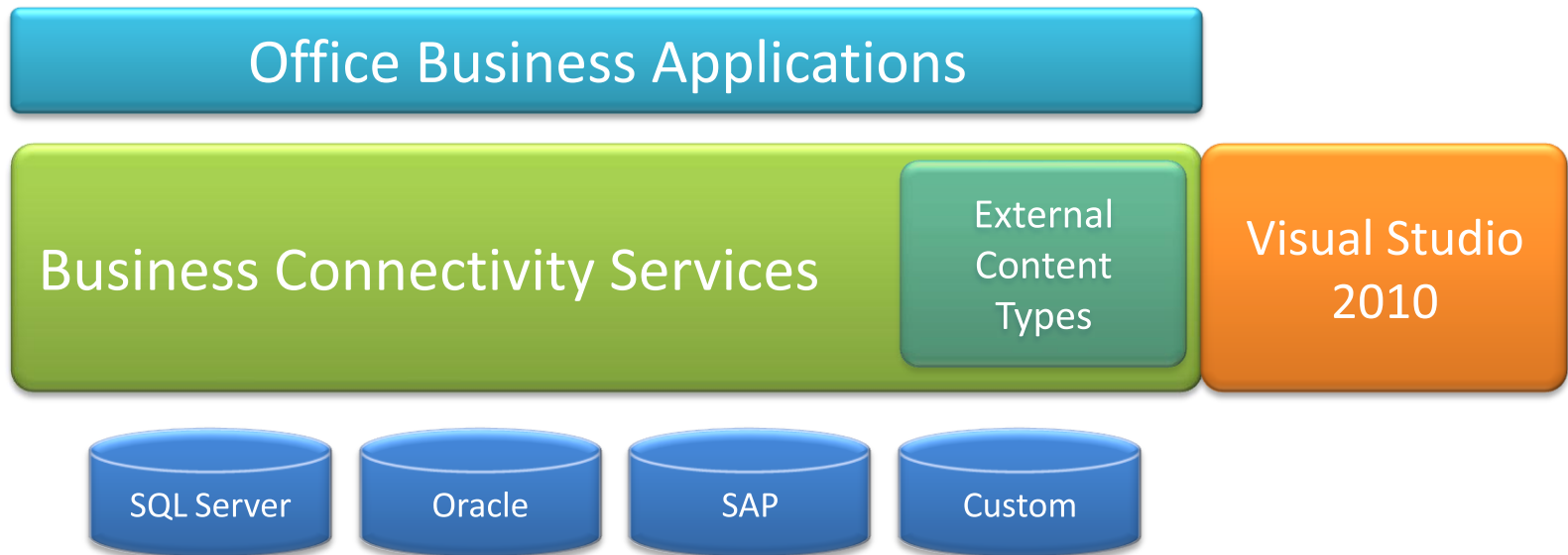
SharePoint 2010 and PerformancePoint Services

- Now rolled into SharePoint 2010 to provide "BI to Masses"
- PPS Features
  - Key Performance Indicators (KPIs)
  - Scorecards
  - Dashboards

What are BI dashboards?

Background

Healthcare Scorecard

- Clinical Balanced Scorecard

- Prepared on a quarterly basis for the senior leadership team

- 8-10 weeks to manually create a scorecard

- Collect data from various source and analyze with Excel

Key Performance Indicators

Values from four perspectives:

1. Utilization and Outcomes
2. Financial Perspective
3. Client's Perspective
4. Organizational Perspective

Each perspective contains a number of subsets, containing between seven and 131 different indicators.

Each perspective can also access anywhere between three and five different data sources. In many cases, the data is obtained through calculations derived from a secondary reporting system, such as SPSS.
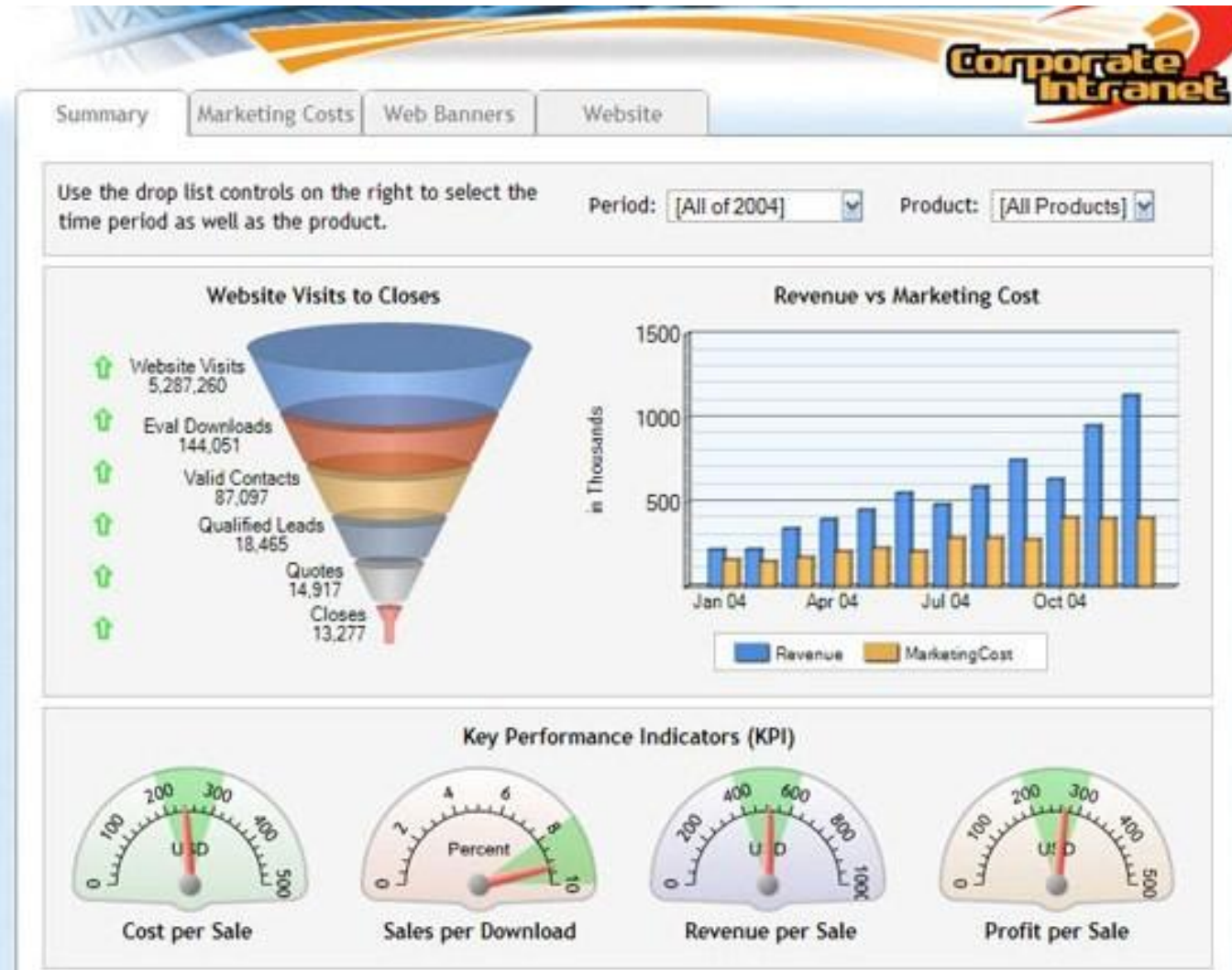
Data Sources

Healthcare - Business Intelligence Prototype
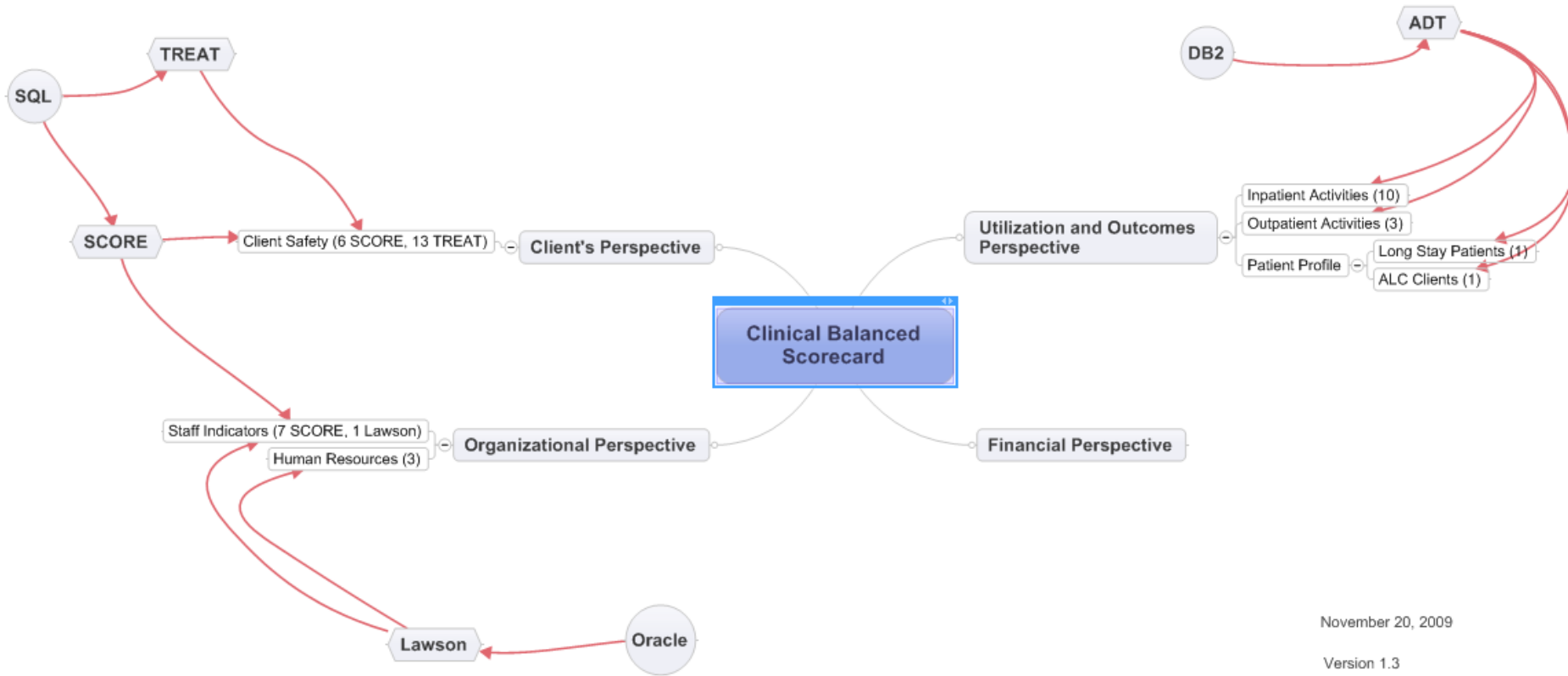
November 20, 2009

Version 1.3

Dashboard Web Parts

Benefits of a BI Solution
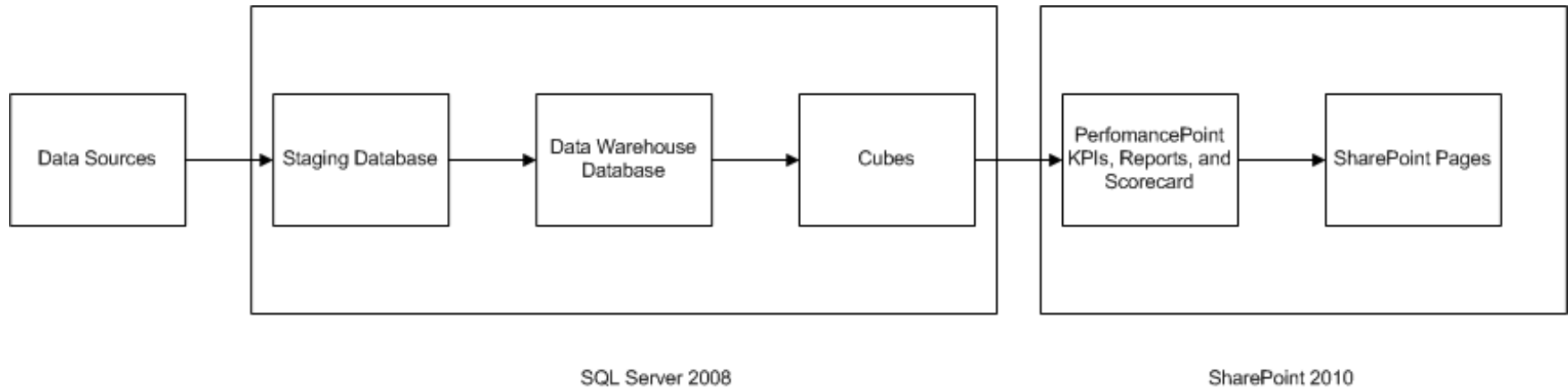
Collect all data automatically

Larger exposure on line

Real Time values

Elimination of duplication

Technical Architecture

Staging Database

SSIS Packages

Relational Data Warehouse
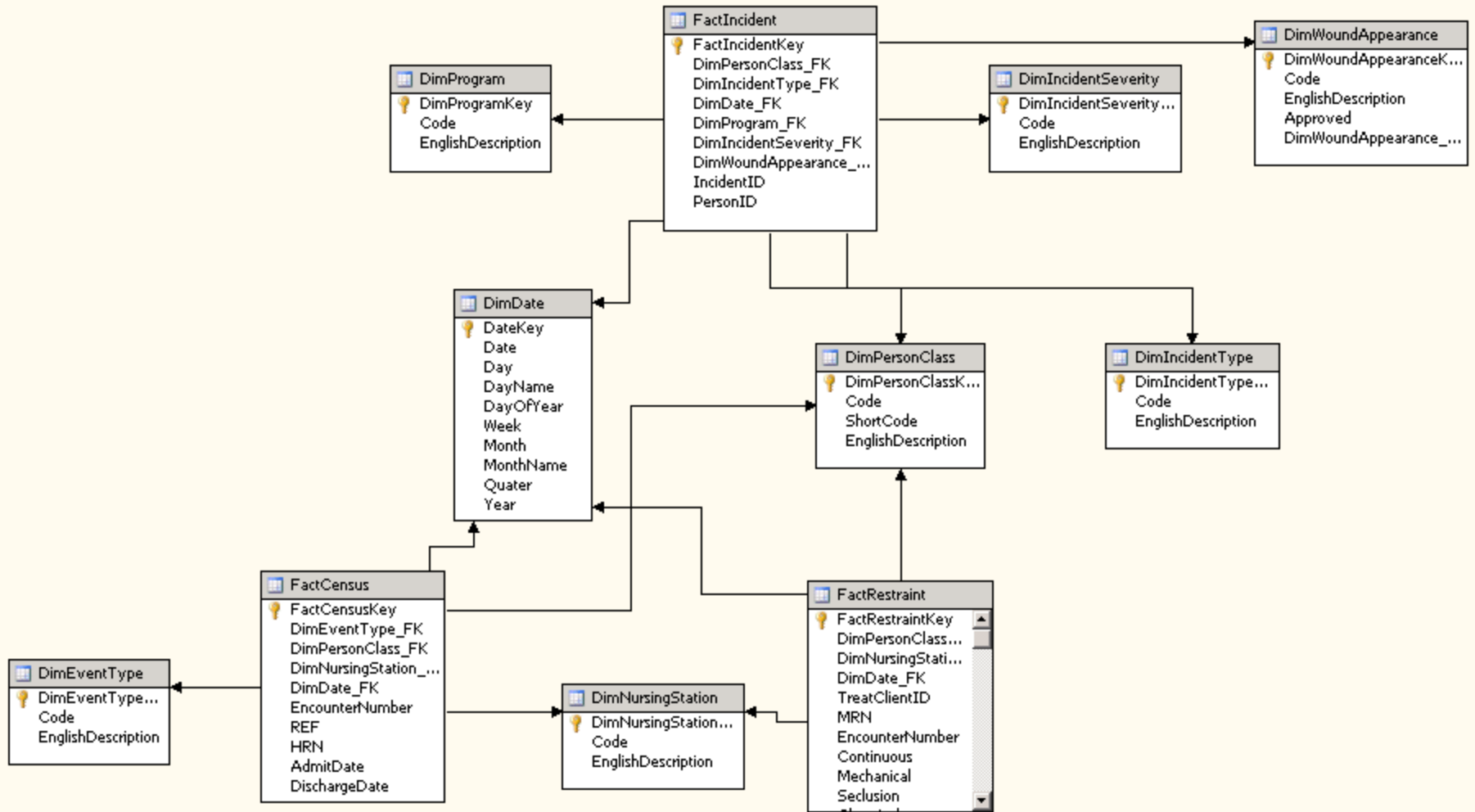
PerformancePoint Services
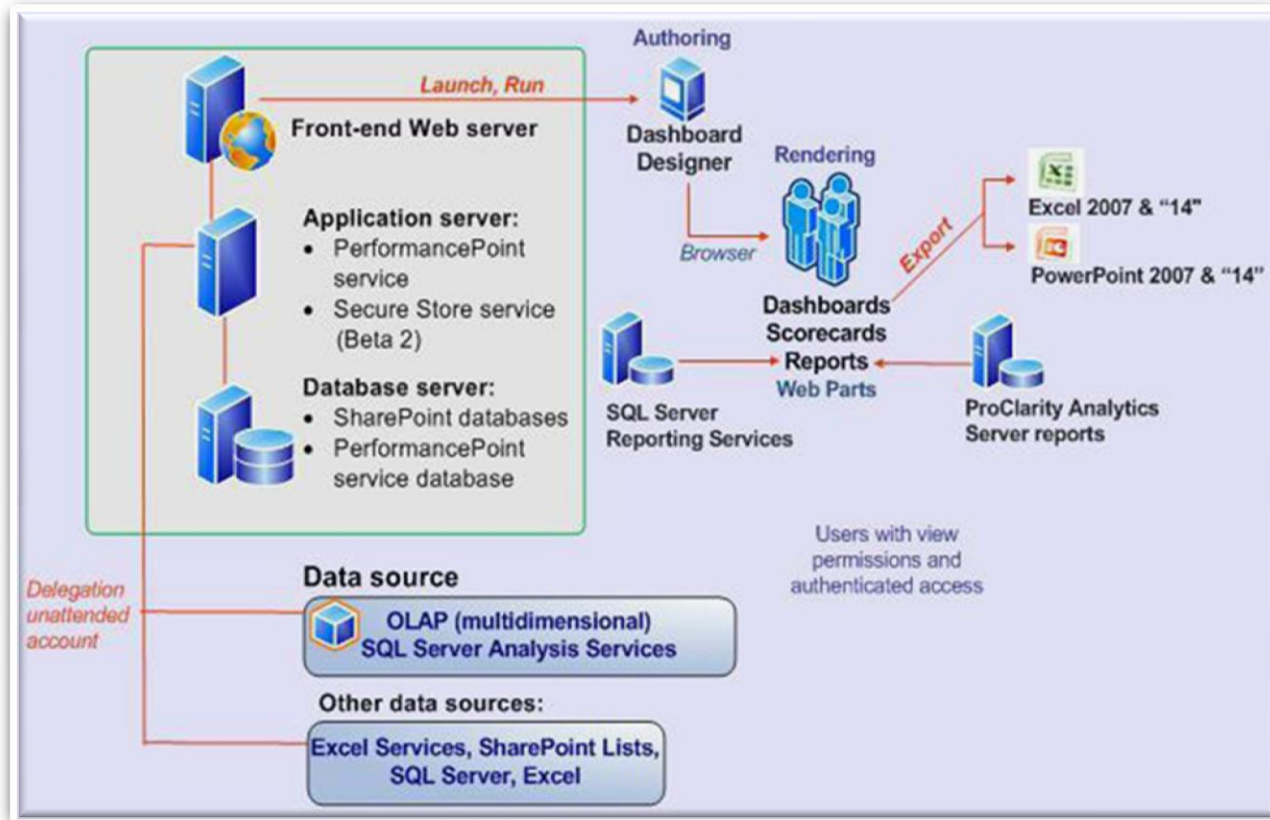
Business Connectivity Services

Office Applications

BCS Client

Design Tools

SharePoint Designer

Visual Studio

SharePoint

Dev Platform	Business Intelligence	Enterprise Content Management	Collaboration Social	Enterprise Search

External Lists

External Content Type Repository

Business Data Connectivity

LOB   Web Service   WCF   DB   Web 2.0

It is all about that Microsoft Vision of Delivering BI to the masses!

Improving organizations by providing business insights to *all* employees leading to better, faster, more relevant decisions

- Delivered through a familiar environment
- Integrated into business collaboration infrastructure
- Built on a trusted and extensible platform

Better Company

Strategic | Tactical | Operational

Right Information | Right Time | Right Format

Familiar Business Problem Scenario for a fictitious company you can relate with…
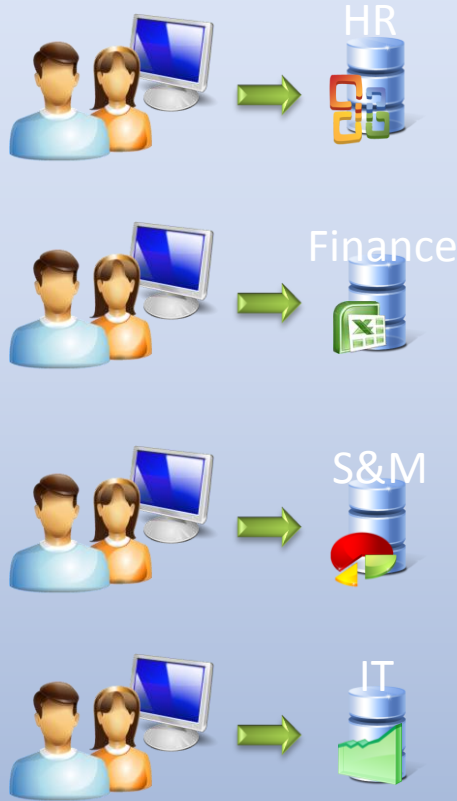
Silos of unorganized BI assets

- Lost productivity of end users
  - Reports / scorecards are everywhere for different groups
  - Users go to at least 8 different places for their BI
  - Request access to reports from 8 different IT teams
  - Inconsistent UI and userid and password required for each application
  - Data is not coming from consistent EDW

- Business rumor that IT takes too long to create BI solution
  - Each IT implementation team has to figure out security, ramp up on BI expertise to host and secure
  - Shadow applications built by business and vendors are agile
  - IT needs to maintain those shadow applications when they break

- It is not easy to convince executives to invest in a single consolidated BI solution for entire company

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Obtaining Sponsorship

BI Consumers

- One central & secure destination for all BI analytics
- Improved user productivity through reduced time to find desired information
- Improved user experience through consistent UI

BI Report Creators

- Integrated Microsoft BI capabilities
- Reduced implementation times with secure hosted solution
- Enables business users to manage and control access

IT/Operations Teams

- Centralized and robust security architecture
- Reduced maintenance costs
- Reduction in shadow application development

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Questions?

Contact Info

Peter Mackenzie (905) 812-3009 x244

pmackenzie@envisionit.com