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Connecting the Dots…How OSIsoft Leverages Microsoft Technology Across the RtPM Platform

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Agenda

- Explanation of the following technologies:
    - SQL Server 2005
    - Windows Vista
    - Office 2007
    - Windows Mobile
- Discuss what OSIsoft will do to leverage these technologies and why

SQL Server 2005 Defined

- Enormous gains in:
  - Scalability
  - Reliability
  - Performance
- New and improved Business Intelligence (BI) suite
- SQL Express (free SQL Server 2005)

SQL Server 2005 and OSIsoft

- SQL Server 2005 is the heart and soul of Foundation (OSIsoft Data Directory) data storage

- Foundation will ship with SQL Express, which is a free but limited version of SQL 2005

- The query capabilities of SQL Server 2005 will enable OSIsoft to support a rich search model

- More research underway

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Windows Vista Defined

- WinFX

- Windows Presentation Foundation

- Windows Communication Foundation

- WinFS

- Windows Workflow Foundation

WinFX

- A consistent programming model across all Windows Vista features

- A single, intuitive, "right way" to do common tasks

- High-level class libraries that encapsulate common tasks

- A familiar programming paradigm that builds on existing skills

- A framework that is "tool-friendly"

Windows Presentation Foundation

- Formerly code named "Avalon"

- Governs how Windows creates, displays, and manipulates documents, media, and the user interface (UI)

- Will be available on Windows XP, Windows Server 2003, and all future releases of the Windows operating system

- First new UI framework since the release of Win32 in early 1993.

Windows Communication Foundation

- Formerly code named "Indigo"

- Microsoft's next-generation Web services technology

- Radically simplify how the next generation of connected systems are built

WinFS

- File storage subsystem that combines relational database concepts, XML and NTFS

- Organizing files will be far more intuitive and "purpose-centric" than today's fixed, hierarchical chaos

Windows Workflow Foundation

- Built-in Workflow for Windows

- A workflow is a set of activities stored as a model that describes a real world process.

Windows Vista and OSIsoft

- All of the managed (.NET) OSIsoft code will be migrated to the WinFX platform

- WCF will be adopted by all outward facing communications

- Lots more research underway at OSIsoft to determine how to leverage these new technologies to achieve a richer end user experience (UX)

Office 2007 Defined

- Formerly code named Office "12"

- > 20 Applications and Servers

- Brand new User Interface

- Excel Services

- XML Based File Formats

Office 2007 Client Applications

- Microsoft Office Access 2007
- Microsoft Office Communicator
- Microsoft Office Excel 2007
- Microsoft Office Groove 2007
- Microsoft Office InfoPath 2007
- Microsoft Office OneNote 2007
- Microsoft Office Outlook 2007
- Microsoft Office PowerPoint 2007
- Microsoft Office Project Standard 2007
- Microsoft Office Project Professional 2007
- Microsoft Office Publisher 2007
- Microsoft Office SharePoint Designer 2007
- Microsoft Office Visio® Standard 2007
- Microsoft Office Visio Professional 2007
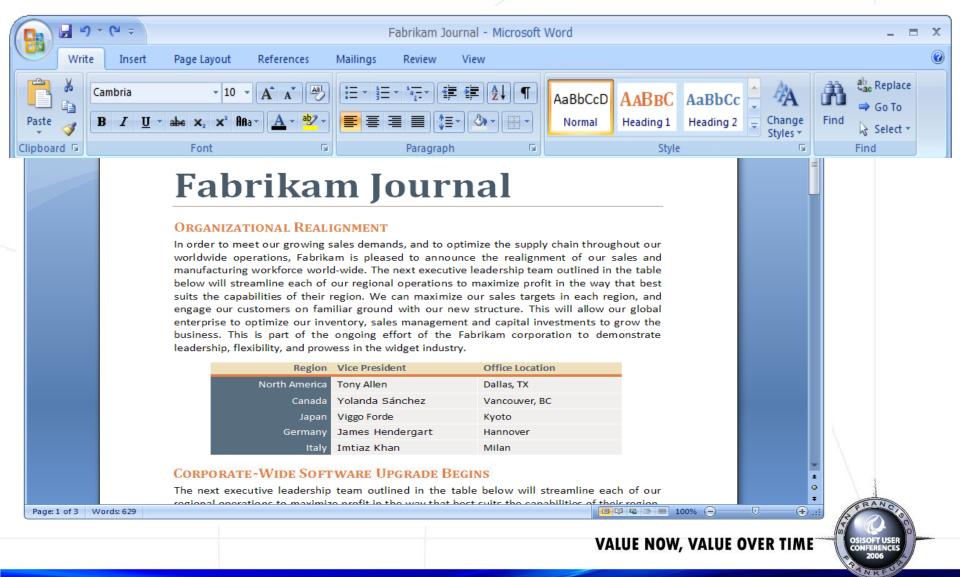- Microsoft Office Word 2007
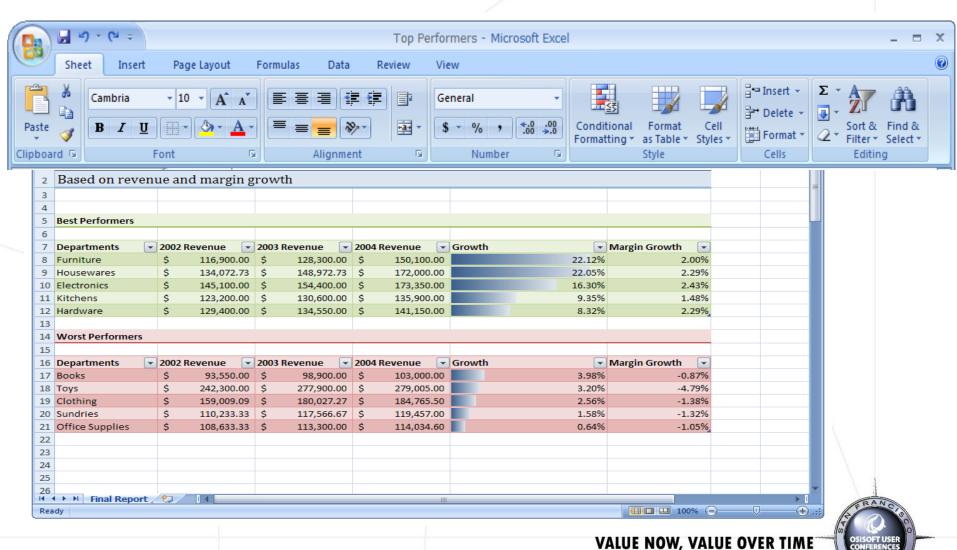
Office 2007 Servers

- Microsoft Office Forms Server 2007

- Microsoft Office Groove Server 2007

- Microsoft Office Project Server 2007

- Microsoft Office Project Portfolio Server 2007

- Microsoft Office SharePoint Server 2007

Word 2007 User Interface

Excel 2007 User Interface

Office 2007 Contextual Tabs

Office 2007 Excel Services

- Provide browser-based access to spreadsheets

- Incorporate spreadsheets in portals and dashboards

- Limit access to spreadsheets either for regulatory and audit concerns or to protect intellectual property in spreadsheets

- Eliminate "multiple versions of the truth" – or many copies of the same spreadsheet that are out of sync with each other

- Leverage servers to offload long-running calculations from desktop machines

Office 2007 XML Based File Formats

- End of proprietary binary format which is mostly unreadable by end users and external applications

- Custom applications will be able to get data from within the contents of an Office document without having to load an Office application

- Decreased file size

Office 2007 and OSIsoft

- Immediate plans to upgrade DataLink to use the new Office UI paradigm

- DataLink will leverage the new Excel Services technology

- Plans to migrate existing RtPortal Web parts to the next generation of Windows SharePoint Services (WSS).

Windows Mobile Defined

- Windows Compact Framework 2.0
  - Smart client mobile applications that consume web services

- ASP.Net 2.0
  - Web applications that are aware of and adapt to the target mobile Web browser, whether it be a cell phone or a Windows Mobile-based Pocket PC

Windows Mobile and OSIsoft

- OSIsoft has a mobile device product (ManualLogger 2.0)

- OSIsoft relies on partners for mobility extensions to the RtPM platform

  - Transpara's Visual KPI

  - SAT's IntelaTrac

In Closing

- Office 2007, Windows Vista, and SQL 2005 are 3 of the largest software endeavors from Microsoft in a long time

- These technologies will take on a significant role in familiar OSIsoft products

- Microsoft's new products and product changes will produce a positive impact on OSIsoft customers

- Enjoy the rest of your User Conference!

Questions?