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

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SQL Server 2005 Defined

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

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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

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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"

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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.

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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

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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

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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.

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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)

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Office 2007 Defined

- Formerly code named Office “12”
- > 20 Applications and Servers
- Brand new User Interface
- Excel Services
- XML Based File Formats

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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

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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

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Word 2007 User Interface

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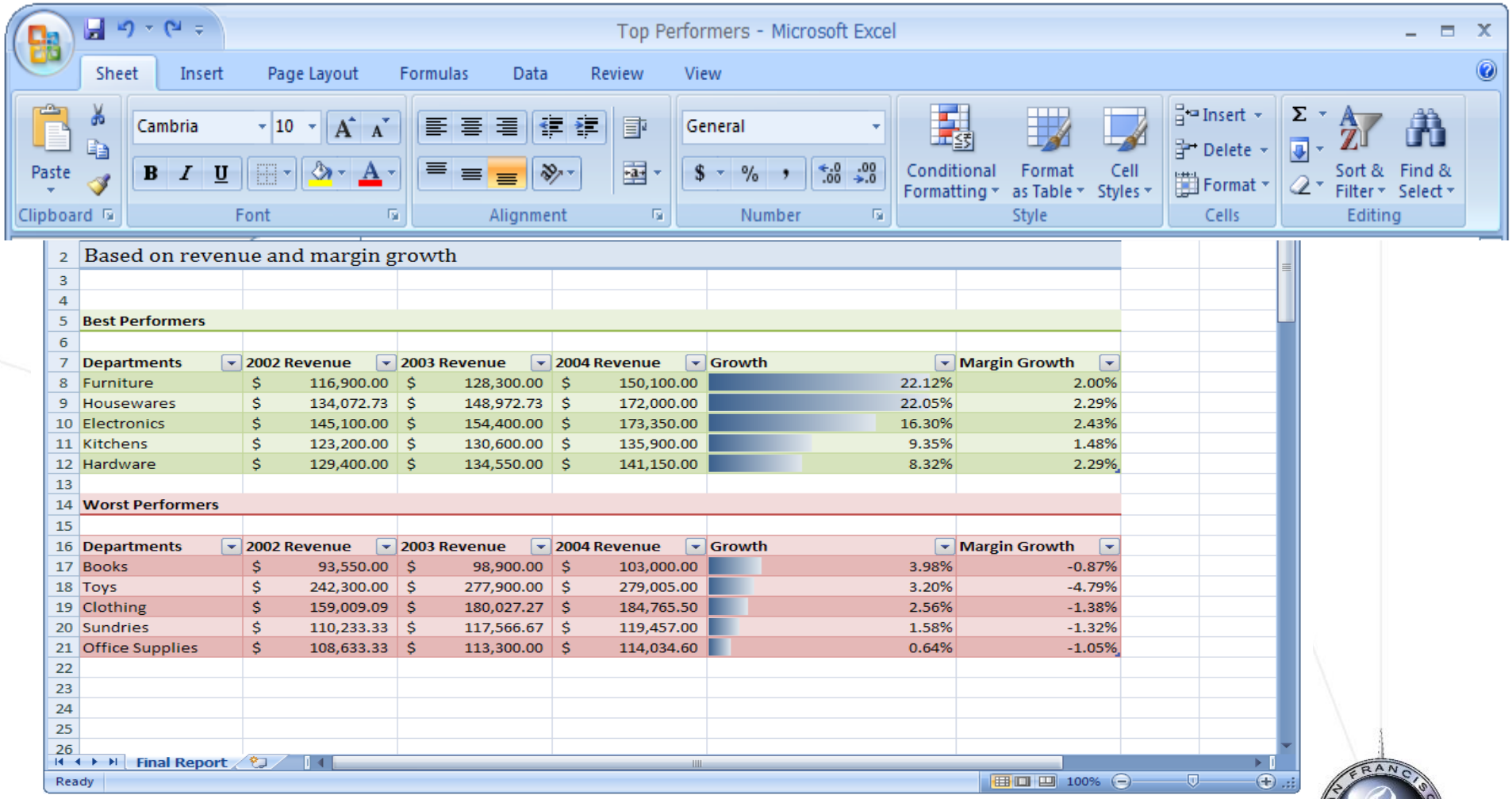
Excel 2007 User Interface



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Office 2007 Contextual Tabs

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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

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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

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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).

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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

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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

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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!

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Questions?

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