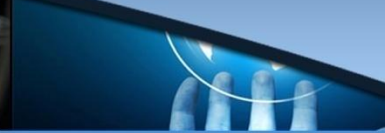


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SharePoint 2010 Launch

Delivering BI solutions using Excel
Services, PerformancePoint Services,
and PowerPivot



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Background

- Brian Russo
- Technical Lead Business Intelligence
- MCTS, Working with SharePoint since 2003 edition
- SharePoint 2010 Last 9 Months
- <http://rjbtech.com>
- brian.russo@rjbtech.com



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Agenda

- Overview Business Intelligence in SharePoint 2010
- SharePoint 2010 BI Component Walk Through
 - Excel Services
 - **PerformancePoint Services**
 - **PowerPivot**



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Intro & Overview

- SharePoint 2010 is The Business Collaboration Platform for the Enterprise and the Web that enables you to connect and empower people through an integrated and rich set of features that can be deployed as Intranet, Extranet or Internet-facing solutions.
- Robust Business Intelligence (BI) capabilities within SharePoint Server 2010 helps organizations manage and access both structured and unstructured data, providing you with the ability to empower your decision makers, improve organizational effectiveness, and enable IT efficiency.



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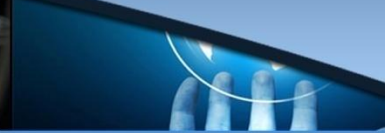
- Insights / Business Intelligence
 - Empower Decision Makers
 - Improve Organizational Effectiveness
 - Enable IT Efficiency



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“What do I get out of the Box?”

- Excel Services
- Visio Services
- PerformancePoint Services, Dashboards and Scorecards
- Chart Web Part
- Status Indicator Lists
- Business Connectivity Services





“What do I get out of the Box?”

- Excel Services
- Visio Services
- PerformancePoint Services, Dashboards and Scorecards
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“What’s New in Excel Services?”



- Unattended Service Account
- Managed Service Application Architecture
- Slicer feature
- Rest API



Excel Services

- REST API



- Ranges

[http://intranet.rjb7k.com/sites/BI/_vti_bin/ExcelRest.aspx/Documents/Excel%20Services%20Sample%20Workbook.xlsx/Model/Ranges\('Most6'\)?\\$format=HTML](http://intranet.rjb7k.com/sites/BI/_vti_bin/ExcelRest.aspx/Documents/Excel%20Services%20Sample%20Workbook.xlsx/Model/Ranges('Most6')?$format=HTML)

- Pivot Tables

[http://intranet.rjb7k.com/sites/BI/_vti_bin/ExcelRest.aspx/Documents/Excel%20Services%20Sample%20Workbook.xlsx/Model/PivotTables\('PivotTable3'\)?\\$format=html](http://intranet.rjb7k.com/sites/BI/_vti_bin/ExcelRest.aspx/Documents/Excel%20Services%20Sample%20Workbook.xlsx/Model/PivotTables('PivotTable3')?$format=html)

- Charts

[http://intranet.rjb7k.com/sites/BI/_vti_bin/ExcelRest.aspx/Documents/Excel%20Services%20Sample%20Workbook.xlsx/Model/Charts\('Chart%202'\)?\\$format=image](http://intranet.rjb7k.com/sites/BI/_vti_bin/ExcelRest.aspx/Documents/Excel%20Services%20Sample%20Workbook.xlsx/Model/Charts('Chart%202')?$format=image)



Excel Services

- REST API Supported Formats



Item / Format	workbook atom	image	html
/Model	✓	✓	
/Charts	✓		
/Charts('chart name')	✓		✓
/Ranges	✓		
/Ranges('range name')	✓		✓
/Tables	✓		
/Tables('table name')	✓		✓
/PivotTables	✓		
/PivotTables('PivotTable name')	✓		✓

A red check (✓) indicates that format is the default for that item. When requesting the default format, the `?$format=` parameter can be omitted from the URI.



Demo

- Excel Services in Action

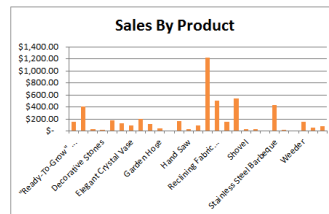
- Range:

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
Soil	6	503
Starter Fluid	3	74
Weeder	6	18

- PivotTable:

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

- Chart:



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Site Actions
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Business Intelligence

Business Intelligence

Dashboards

Data Connections

Libraries

PowerPivot Library

Reports

PerformancePoint Content

Recycle Bin

All Site Content

Excel Web Access - Excel Services Sample Workbook

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

Getting Started with Excel Services

Excel Services in Microsoft SharePoint Server 2010 makes it simple to use, share, secure and manage your Microsoft Excel 2010 workbooks (.xlsx, .xlsb). Using the #1 end-user Business Intelligence tool, users can take their rich reports and models and publish them to the web to create dynamic dashboards, sharing their insights with the rest of the organization while maintaining a single version of the workbook. Excel Services enables users to:

- Share whole or parts of the workbook allowing others to interact with the underlying data (sort, filter, pivot, enter parameters)
- Explore and analyze information, such as when connected to external data sources or stand alone in the workbook.
- Perform what-if analysis and explore scenarios by entering values in the workbook that are calculated in real-time.
- Connect to other Web Parts in SharePoint Server, such as Filter Web Parts or List View Web Part as part of a dashboard or from another Web Part Page.



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- PowerPivot
 - “What is PowerPivot?”
 - “How does it work with SharePoint?”



- “Where is PowerPivot at?”
 - PowerPivot Add-in for Excel
 - SQL Server PowerPivot for SharePoint



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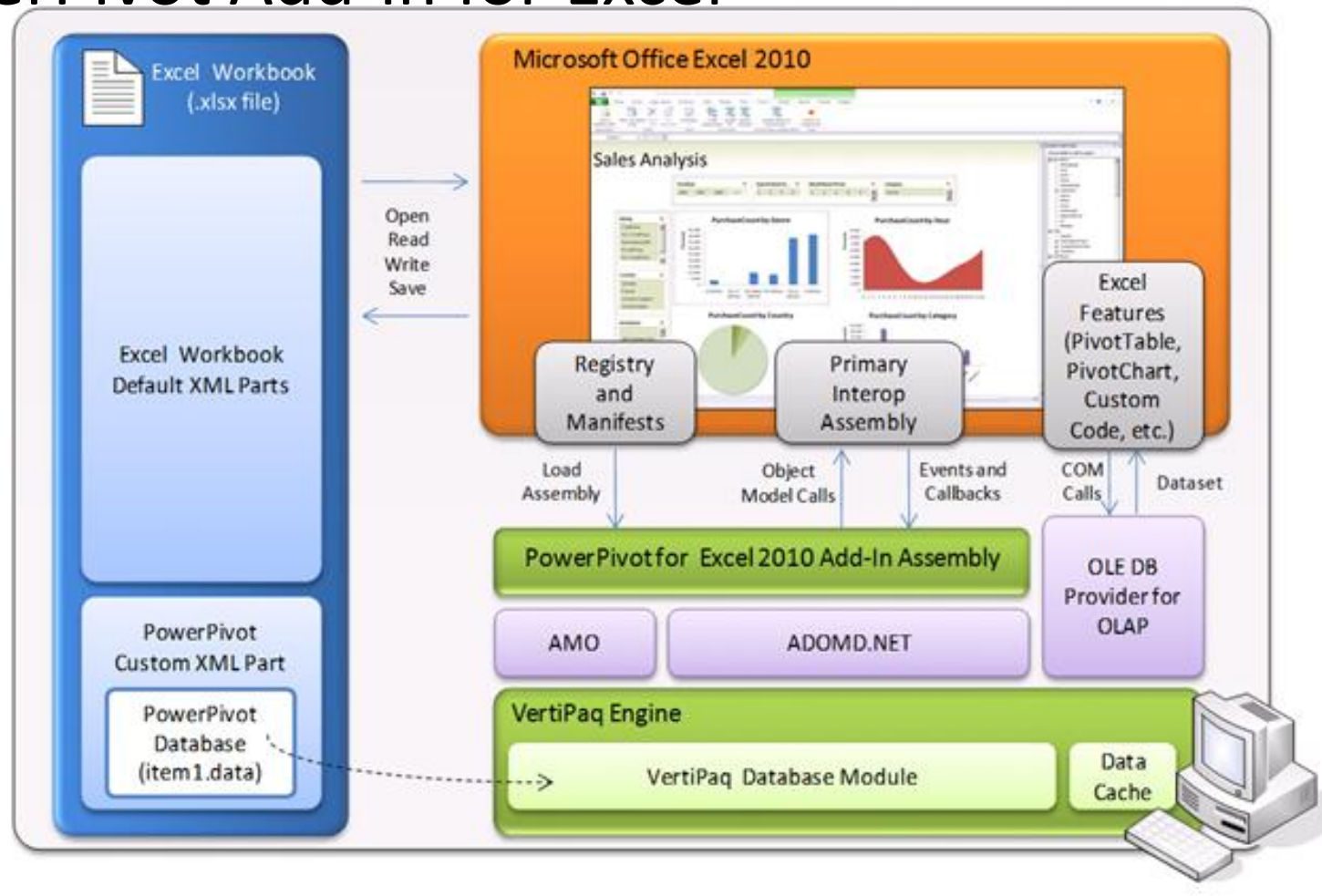
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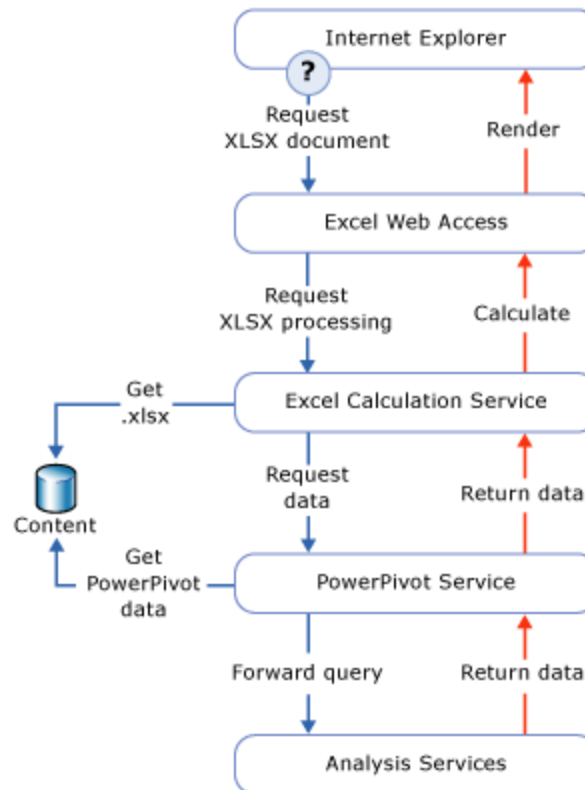


PowerPivot Add-in for Excel



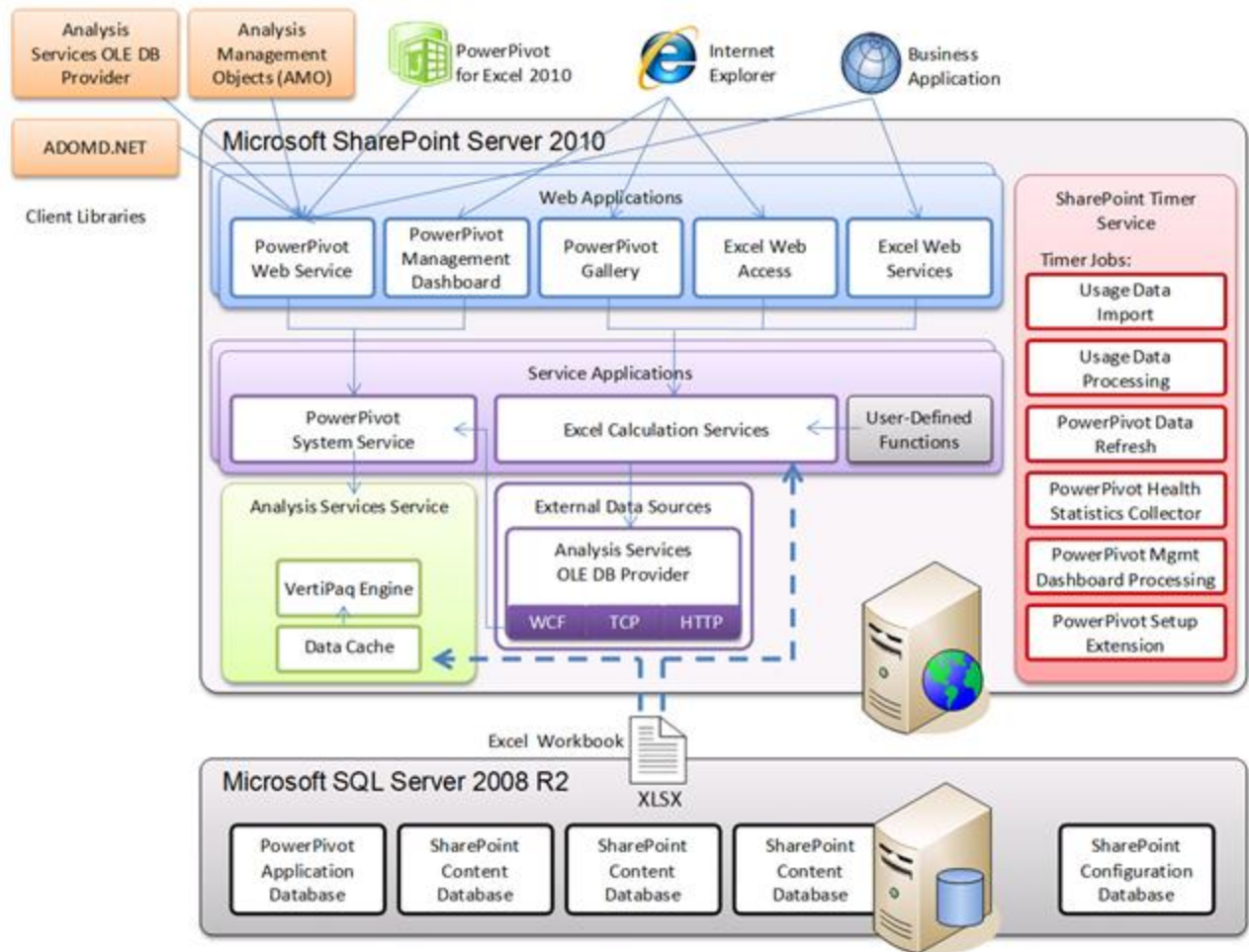


Querying PowerPivot Data in SharePoint



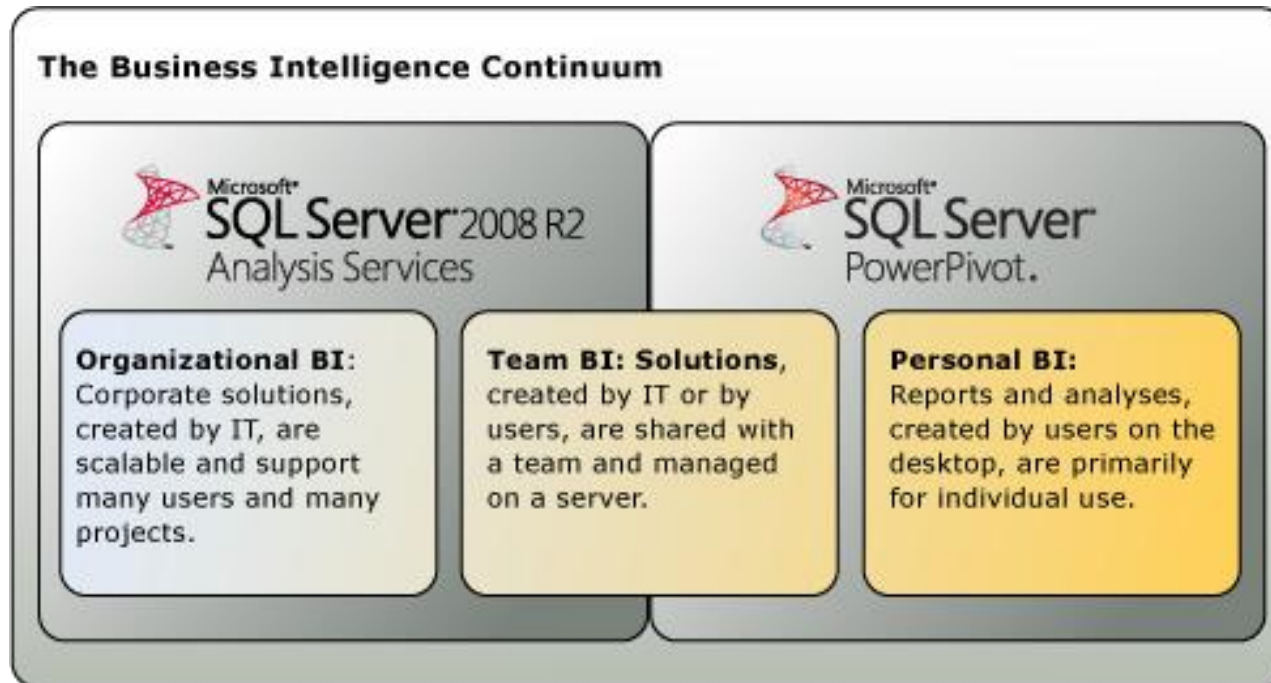


• SQL Server PowerPivot for SharePoint





- How does PowerPivot fit into an Organization?





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Demo

- PowerPivot in Action



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Business Intelligence > PowerPivot Library I Like It Tags & Notes

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Contoso Retail v11

Last Modified By: RJB7K\Administrator, Date: 5/11/2010
Created By: RJB7K\Administrator

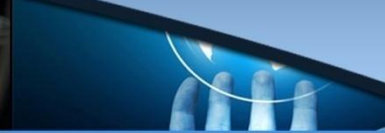
Nutrition Facts

Returns

Year	Product Category	Product Subcategory
2007	Audio	All Conditions
2007	Cameras and Camcorders	Bluetooth Peripherals
2007	Cell Phones	Computer Accessories
2007	Computers	Desktops
2007	Games and Toys	Home Theater Systems
2007	Home Appliances	MP3/MP4
2007	Music, Movies and Audio Books	Printers, Scanners & Fax
2007	TV and Video	Touch Screen Phones
2007		VCD/DVD
2007		Webcams
2007		Wireless & Bluetooth

Sales

PromotionName	January	February	March	April	May
19 Asian Holiday Promotion	\$ 2,311,834.00				
20 Asian Spring Promotion		\$ 2,568,658.98	\$ 2,589,200.78	\$ 2,838,902.40	
21 Asian Summer Promotion					\$ 2,762,644.8
22 European Holiday Promotion	\$ 2,400,833.58				
23 European Spring Promotion		\$ 2,359,981.86	\$ 2,464,175.52	\$ 2,628,027.23	
24 No Discount			\$ 6,846,411.40	\$ 8,435,297.23	\$ 11,369,739.0
25 North America Spring Promotion	\$ 6,288,616.90	\$ 6,616,458.31	\$ 6,846,411.40		
26 Grand Total	\$ 11,061,284.57	\$ 11,545,099.15	\$ 11,899,787.71	\$ 13,902,226.86	\$ 14,132,383.8



“What’s new in PerformancePoint?”

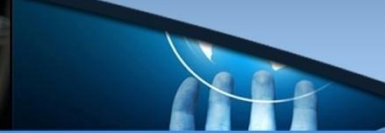


- Platform is now integrated with SharePoint
- Service Application Architecture
- SharePoint becomes the artifact Repository
- Decomposition Tree
- SharePoint Data Sources
- Dashboard Designer Improvements

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PerformancePoint in Action



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SharePoint 2010 Insights

- Excel Services
- Visio Services
- PerformancePoint Services
- Chart Web Part
- Status Indicator Lists
- Business Connectivity Services



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RJB Technical Consulting –
Specializes in delivering SharePoint
services and solutions that allow
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- *Specializing in delivering SharePoint services and solutions that allow companies to conduct business and collaborate quickly and efficiently.*
 - **Founded in 1995**
 - **Microsoft Gold Certified Partner**
 - **Practice Area focused on SharePoint Technologies**
 - **Office 2010, SharePoint 2010 Beta Partner**
 - **Certified Technical Specialists in SharePoint 2010**
 - **SharePoint Specialists include Project Managers, Business Analysis, Architects, Developers and System Engineers**
 - **Operates Philadelphia Area SharePoint User Group**



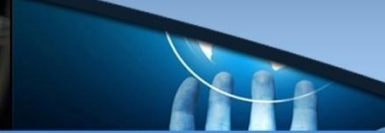
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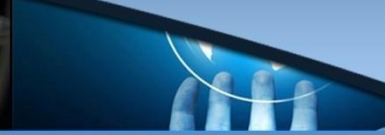


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Questions ???



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Thank you for attending!



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