

Data Driven Visio Services

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Introduction

John Palmer

25 years IT experience: programmer, developer, systems analyst, consultant, system engineer, implementation specialist, architect, manager, entrepreneur

Industry experience: manufacturing, auctions, telecommunications, health care, insurance, finance, banking, retailer, education, GIS, social networks, government contractor, biotech

9 years of SharePoint experience (STS, WSS, MOSS, SPS)

Last 5 years, SharePoint key enabler

Last 3 years, 100% focused on SharePoint 2007/2010



SharePoint 2010, Configuration
Microsoft Office SharePoint Server 2007, Configuration
Microsoft Windows SharePoint Services 3.0, Application Development
Microsoft Windows SharePoint Services 3.0, Configuration
Microsoft Office Project 2007, Managing Projects



Agenda

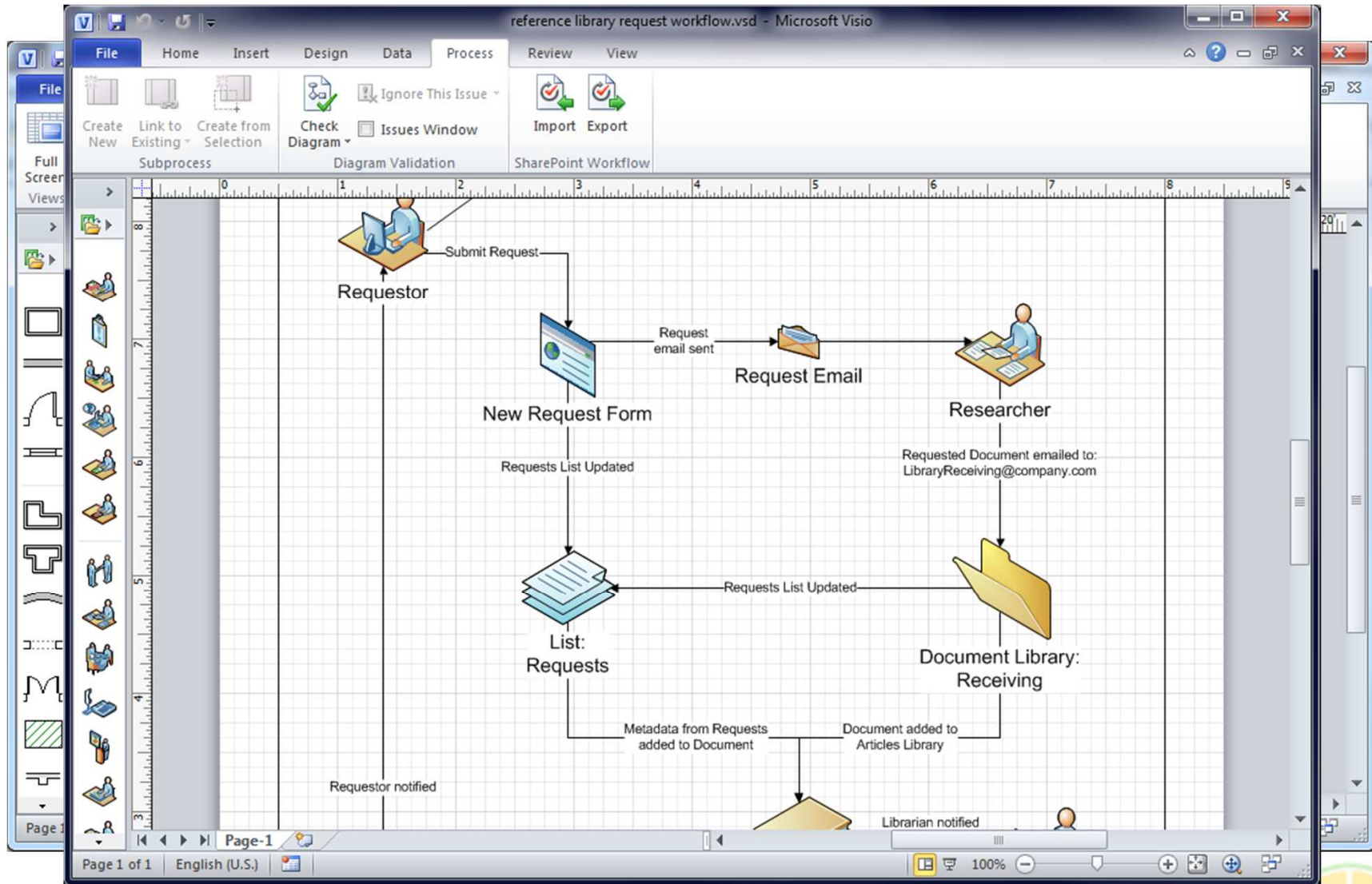
- What is Visio?
- New and improved in Visio 2010
- What are Visio Services? (And what isn't...)
- SharePoint + Visio in Action:
 - Publishing Visio diagrams
 - Connecting data to diagrams
 - SharePoint Workflows with Visio
 - SharePoint Process Repository



What is Visio?



What is Visio?



What is Visio?

Create Diagrams
using Stencils
and Templates



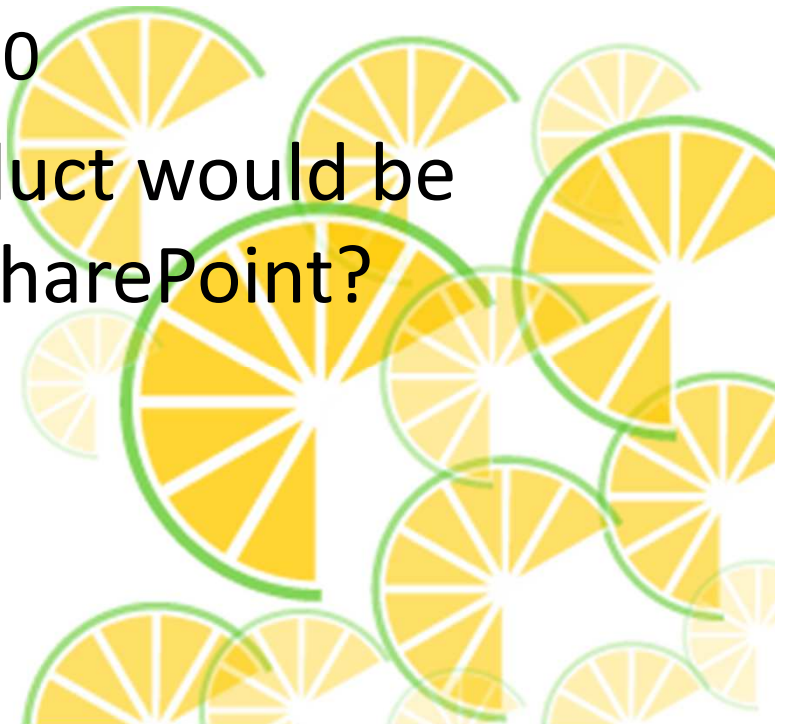
What is Visio?

- Part of Microsoft Office family
- Deep support for business processes, electrical engineering, space planning, and software engineering.
- Visio 2010 is 12th major version
- Available in Standard, Professional and **Premium** editions



Pop Quiz!

- What year was Visio first released?
 - 1992
- By what company?
 - Shareware Corp (renamed Visio Corp in 1995)
 - Acquired by Microsoft in 2000
- Bonus Question: What product would be considered the prequel to SharePoint?
 - Team Manager 97



Key new and improved features in Visio 2010:

- **Office Fluent UI (aka Ribbon)**
- **Web Drawing format (.vsw)**
- **SharePoint Workflow template***
- **SharePoint Workflow import and export***
- **Business Process Modeling Notation (BPMN) template***
- Cross-functional Flowchart template
- **Validating diagrams***
- Real-time data in graphics
- **Publish to SharePoint Process Repository**

***in Visio 2010 Premium only**



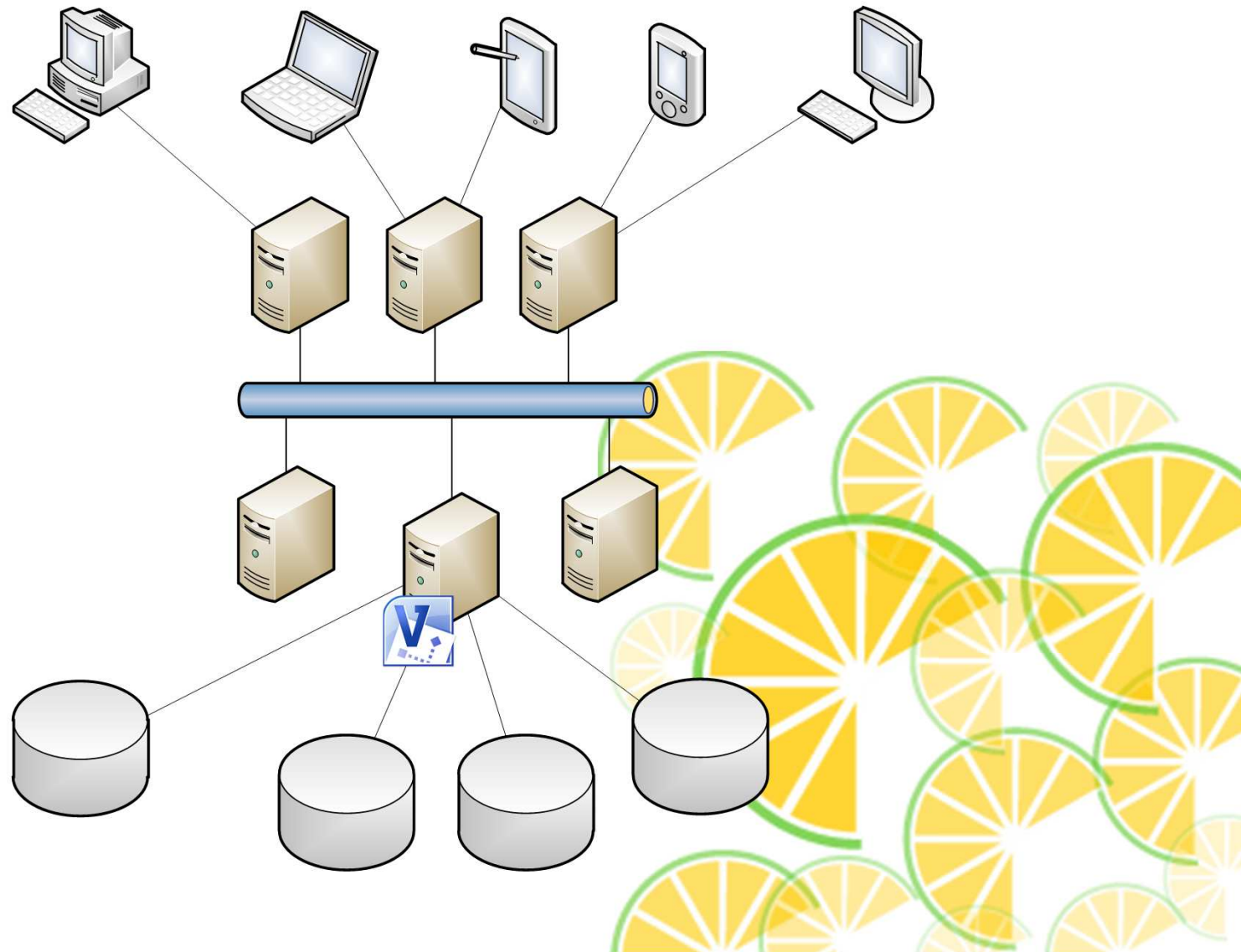
What are Visio Services?

- Allow users to share and view Visio drawings
Visio is not required for viewing!
- Enables data-connected Visio 2010 Web drawings to be refreshed and updated from various data sources.
- Part of **SharePoint Server 2010 Enterprise***
- Runs as a service application

***Office 365 includes Visio Services**



The “Service” in Visio Services



What are NOT Visio Services?

- Create and edit SharePoint Workflows with Visio

Visual Workflows are available in SharePoint Foundation 2010, but require Visio 2010 Premium

- SharePoint Process Repository site template



SharePoint + Visio in Action

- Publishing Visio diagrams
- Connecting data to diagrams
- SharePoint Workflows with Visio
(and tag teaming with SharePoint Designer)
- SharePoint Process Repository



SharePoint + Visio in Action

- Publishing Visio diagrams



Publishing Visio Diagrams to SharePoint 2010

- Requires Visio 2010 Professional or Premium
- Save as Visio Web drawing (*.vdx) format
- Users do not need any version of Visio or Visio Viewer
- Display via Visio Web Access Web Part
 - Uses Silverlight or PNG files



Demo



SharePoint + Visio in Action

- Connecting data to diagrams



Connecting Data to Diagrams

- **Data Sources supported by Visio Services:**
 - SQL Server 7.0
 - SQL Server 2000
 - SQL Server 2005 (32- & 64-bit)
 - SQL Server 2008 (32- & 64-bit)
 - SQL Server 2008 R2 (32- & 64-bit)
 - Sheet information that is stored in Excel workbooks (.xlsx files) published from Excel 2007 or 2010 hosted on the same SharePoint Server 2010 farm
 - SharePoint Server lists that are hosted on the same farm
 - OLE DB or ODBC
 - Custom Data Providers implemented as .NET Framework assemblies

Off-Farm data requires configured Secure Store



Demo



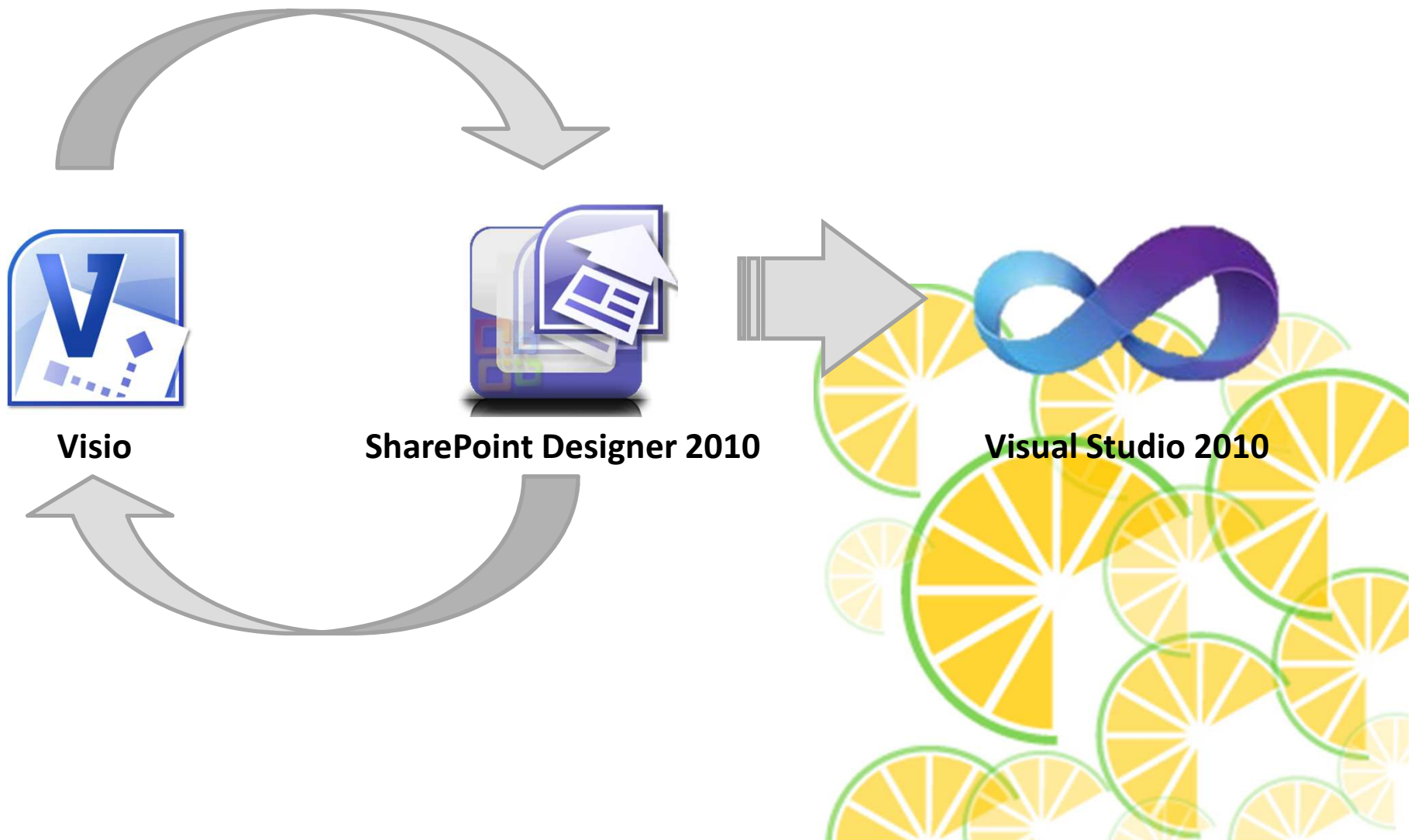
SharePoint + Visio in Action

- SharePoint Workflows with Visio

(and tag teaming with SharePoint Designer)



SharePoint Workflow Life Cycle



Demo



SharePoint + Visio in Action

- SharePoint Process Repository



Demo



Additional Resources

<http://citriusjohn.blog.citri.us/visioservices>



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