

Platform Extension Model for SharePoint Products and Technologies

SPDEV263

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Clarity.
Direction.
Confidence.



BEST PRACTICES SHAREPOINT CONFERENCE

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 - SP Product Group Alumni
 - SPS 2001, SPS 2003, MOSS 2007
 - Mindsharp Developer Instructor
- Cattle Rancher

About ME...



Typical Scenario

- ▶ *I can't seem to do what I want to do the way I want to do it.*
- ▶ *The SharePoint World appears flat (with edges). I worry about falling off the edge.*
- ▶ Too often developers create custom web pages or entire applications rather than building composable applications on top of SharePoint with platform extensions if needed



Abstract

- ▶ The goal of the Platform Extension Model for SharePoint Products and Technologies is to:
 - Help application architects and project planners understand how best to:
 - Map their solution requirements with the in-the-box features of the SharePoint platform to
 - Minimize the amount of custom coding and maximize the amount of solution development through configuration (solution composability).



Background

- ▶ Real Customer Experience
 - Customers tended to have the same problems and ask the same questions
 - Lots of “how to” but weren’t being provided with a clear architectural view of the product that would enable them to “think for themselves”
 - SharePoint Connections Spring 2008 Talk
 - Positive reception for the “Platform Extension” concept
- ▶ Microsoft is becoming more prescriptive about SharePoint Application Lifecycle Management
 - Patterns and Practices Guidance
 - <http://www.microsoft.com/spg>
 - <http://www.codeplex.com/spg>



Goal

- ▶ To give you a set of best practices for conceptualizing, architecting, developing and deploying a custom business solution using Microsoft SharePoint
- ▶ Who is “you”?
 - Focus: Solution Architects and Project Planners
 - Also: Business Analysts, Developers, Graphics Designers and Project Sponsors



Definitions

► Customization

- User modifications made using
 - SharePoint web user interface (without writing code)
 - SharePoint Designer
- Customizations live in a content database

► Development

- Creating platform extensions in the “12” folder
- Developers use
 - XML Configuration
 - Visual Studio code



Definitions

▶ Platform Extension

- Related components created in the “12” folder
- Created using Development (vs. Customization)
- Extend the Domain of Composable Solutions that can be created using Customization

▶ Platform Extension Model

- Model for applying Platform Extensions across the entire scope of a SharePoint solution
 - End-to-end SharePoint Solution Lifecycle



Problem Statement

- ▶ How to extend a particular SharePoint deployment (platform) in a way that:
 - Increases 1) range of customizations and 2) domain of composable applications
 - Minimizes 1) gap between solution requirements and solution implementation and 2) required custom development
- ▶ *Bottom Line: How to use platform extensions to create your organization's "own version" of Office SharePoint Server?*



More Definitions

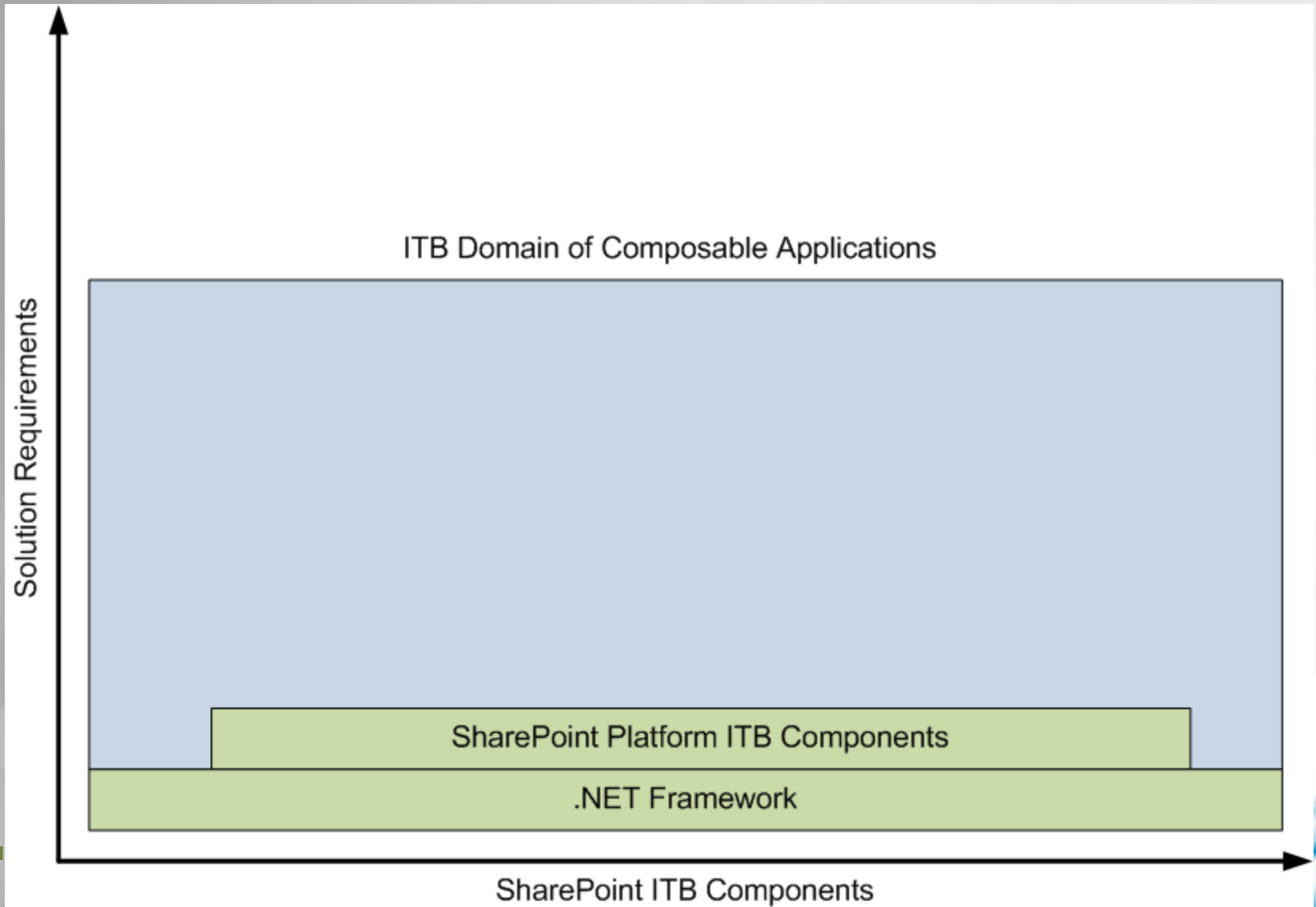
▶ Application Lifecycle Management

- Develop
- Deploy
- Customize
- Upgrade (Support)
- Strong interdependencies will affect the specific approaches you should choose

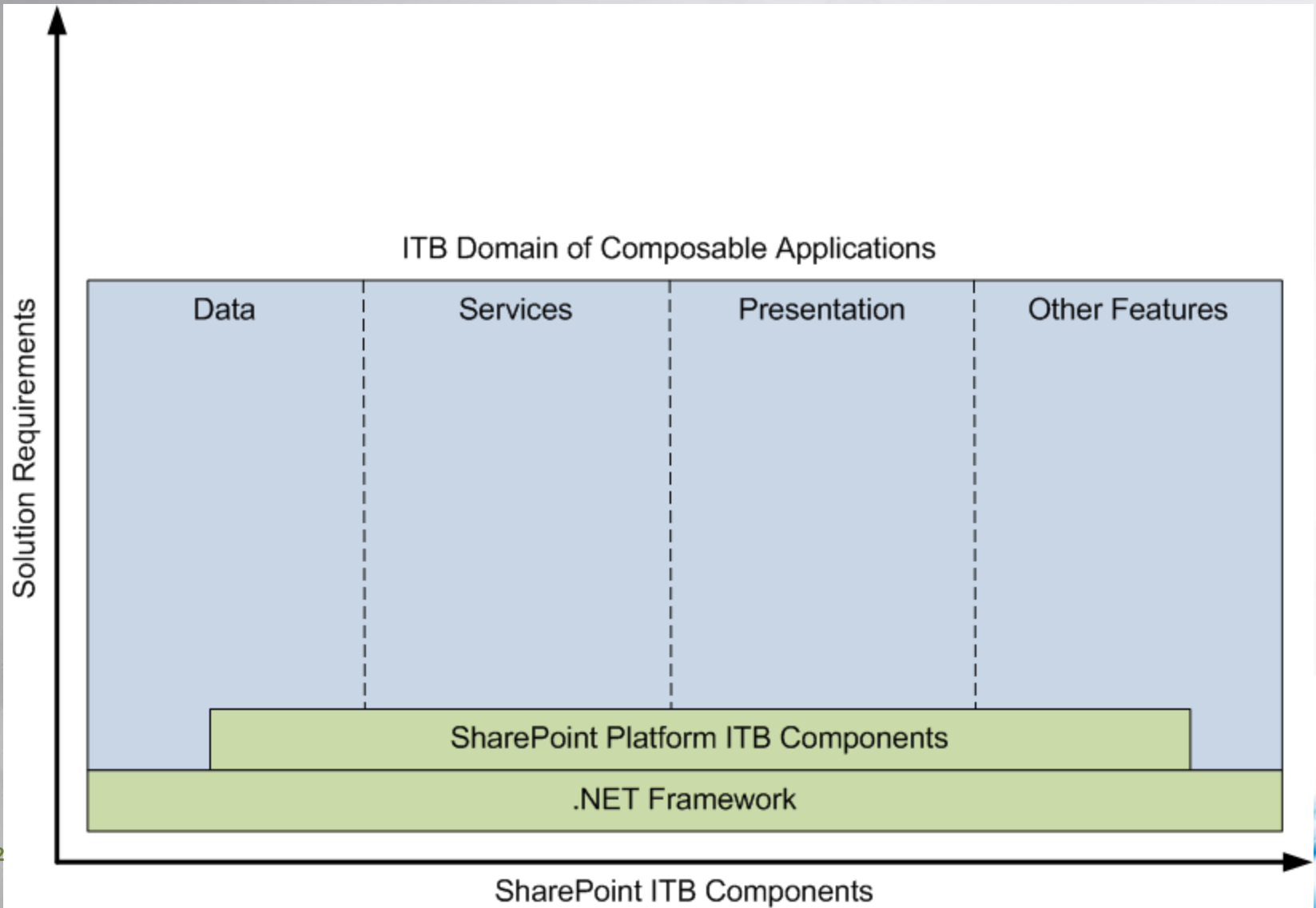
▶ Template (Definition)

- Named set of reusable customizations (cookie cutter)
- Lists/Document Libraries, Web Sites, Content Types, Workflows

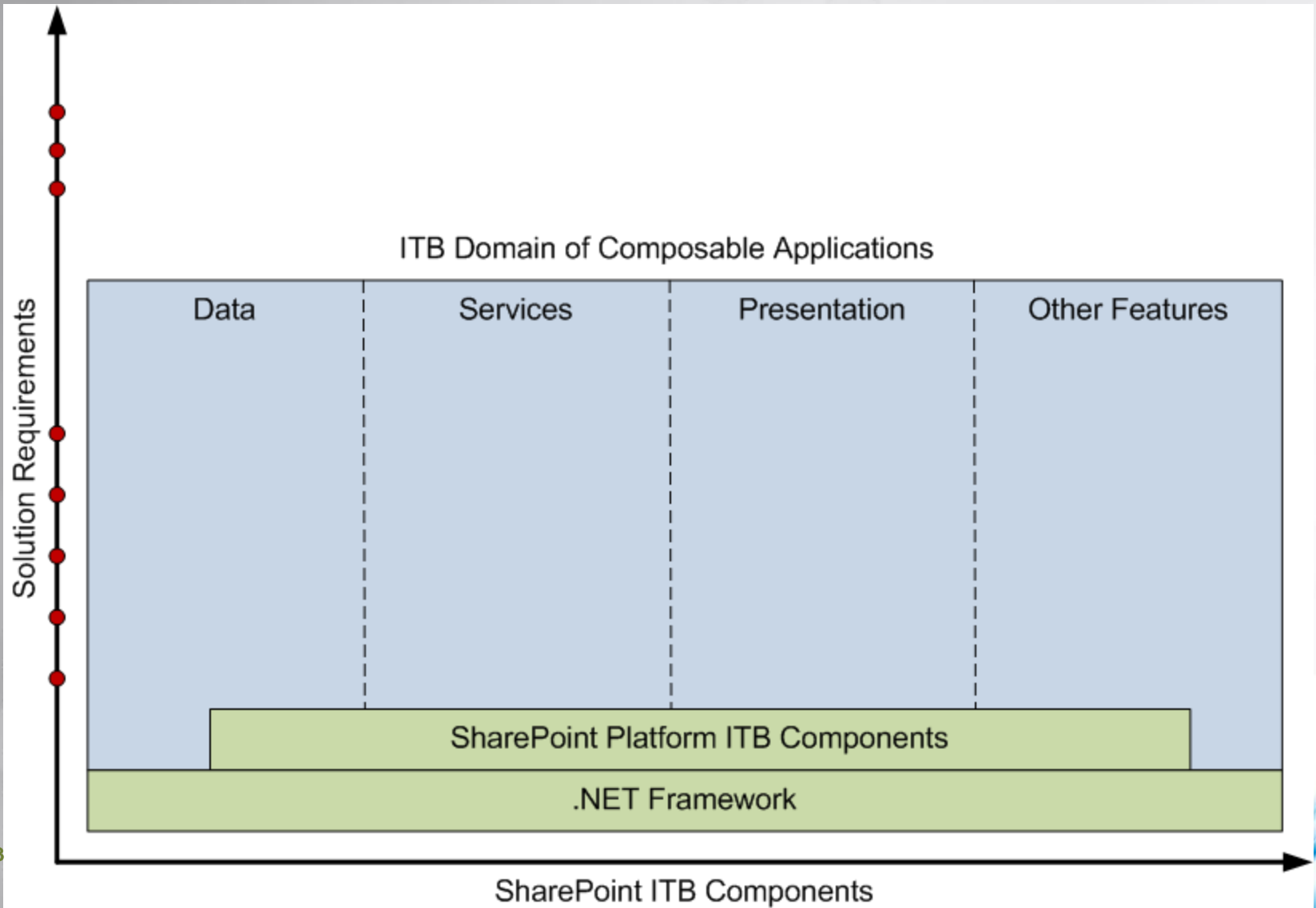
SharePoint ITB Platform Components



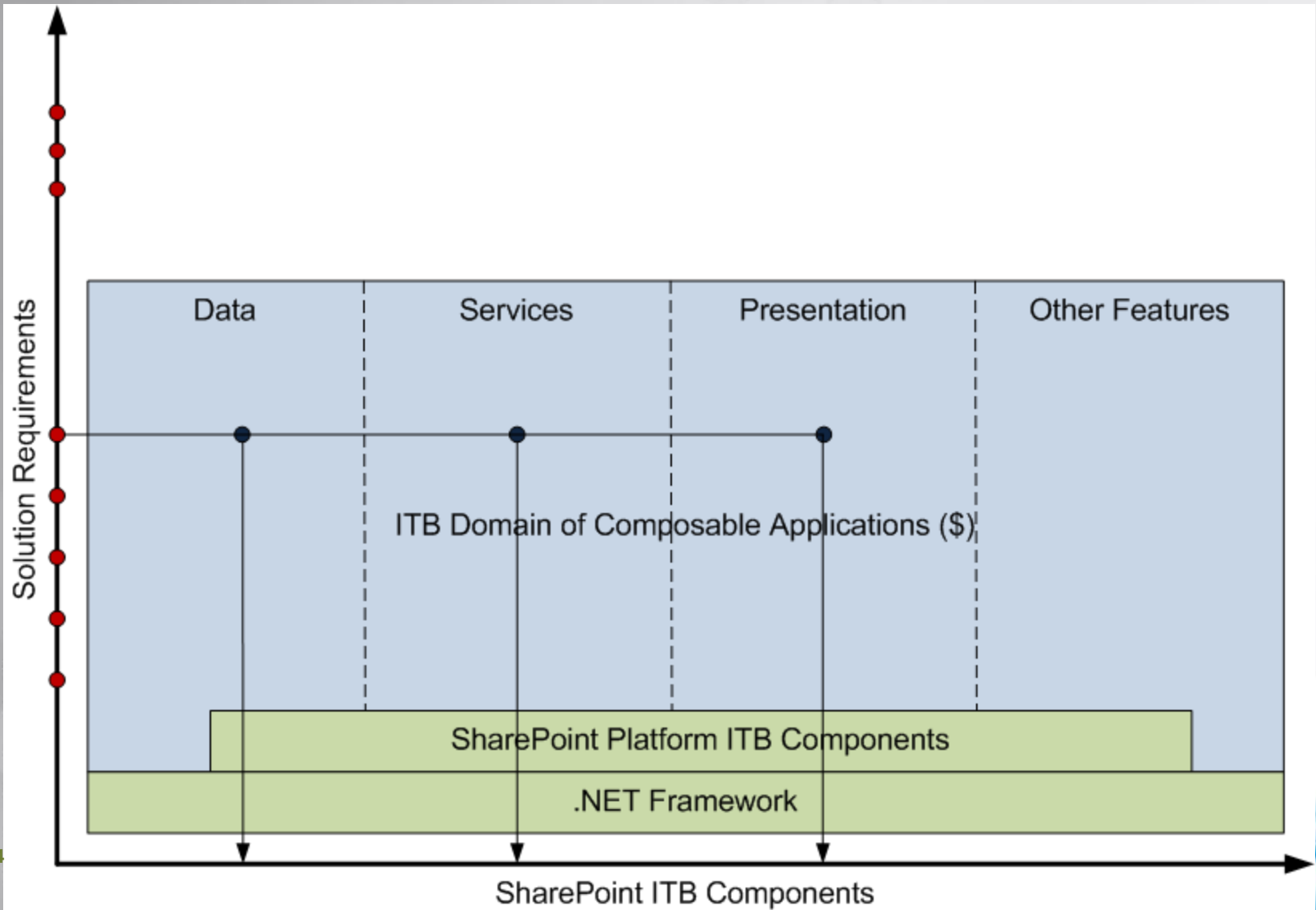
SharePoint ITB Component Categories



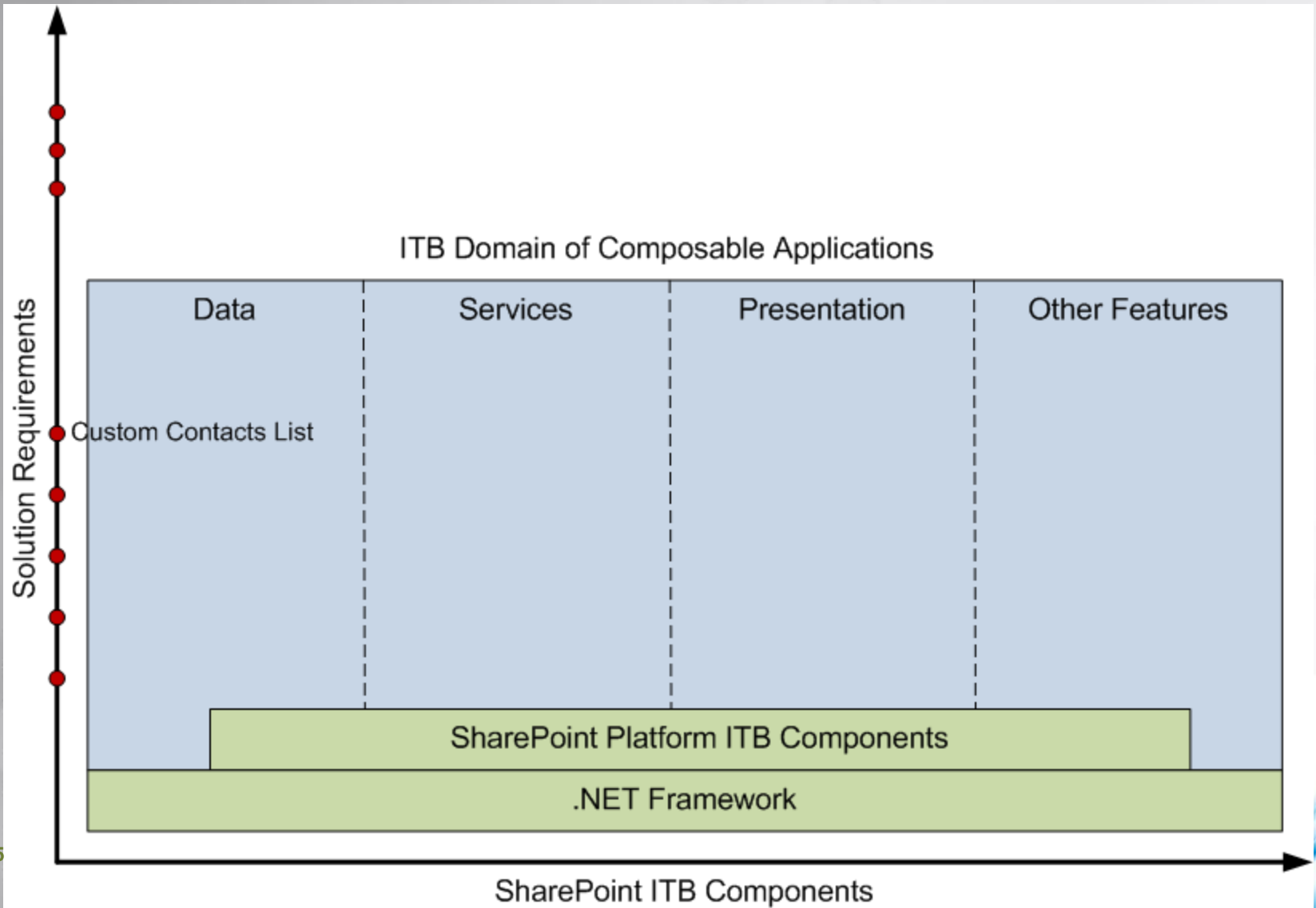
Add Solution Requirements



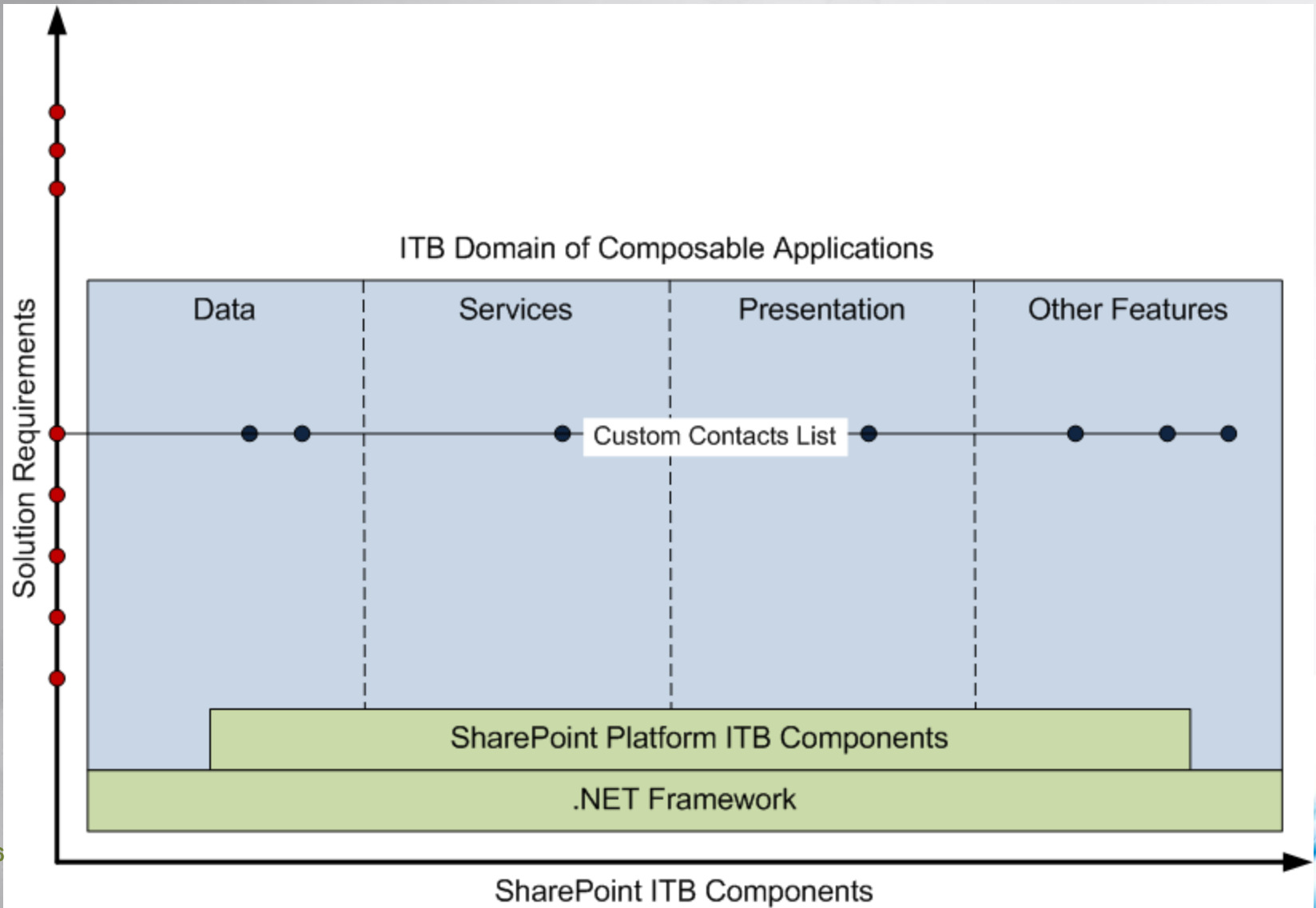
Map a Requirement to ITB Comps



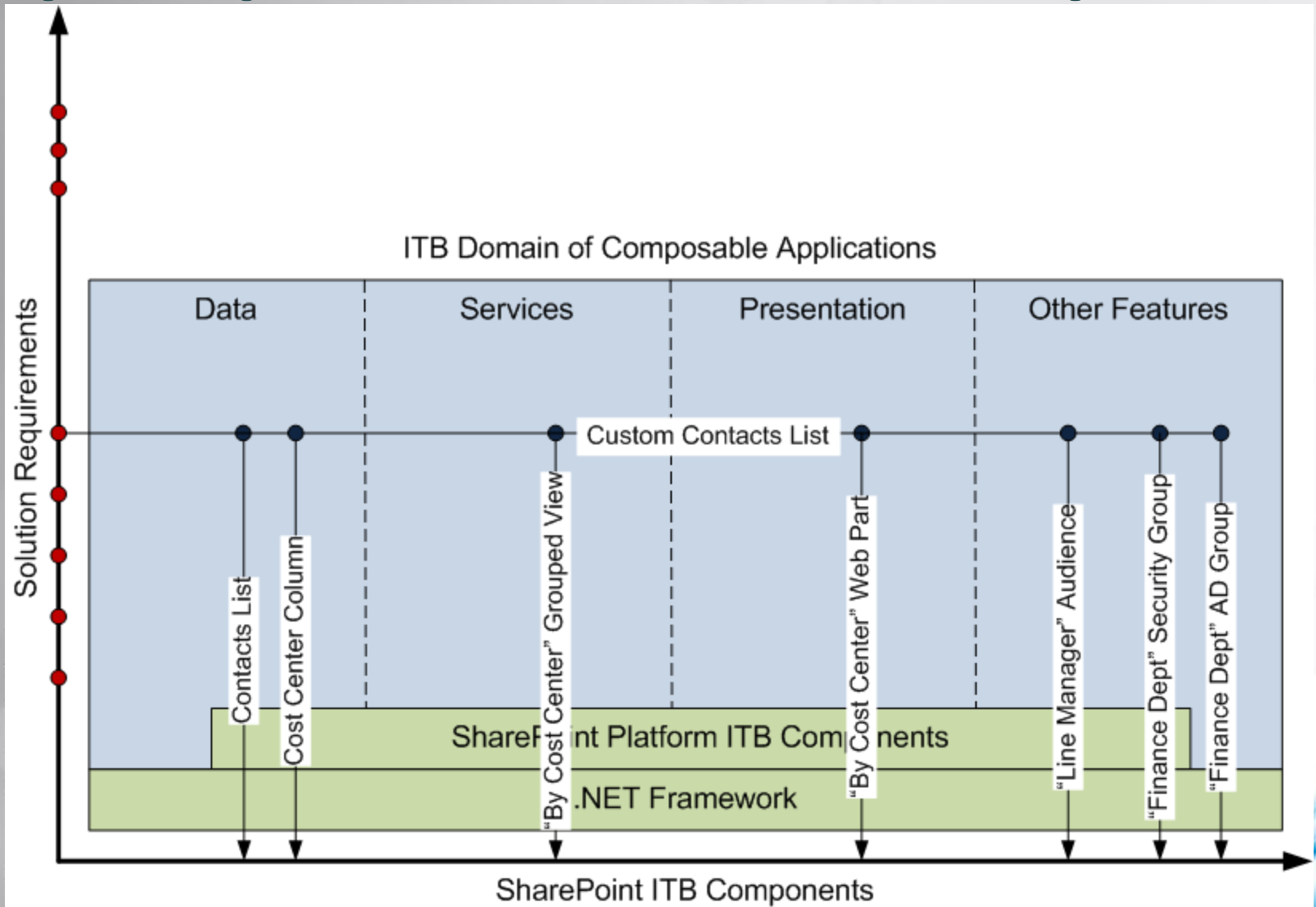
Map Requirement to ITB Components



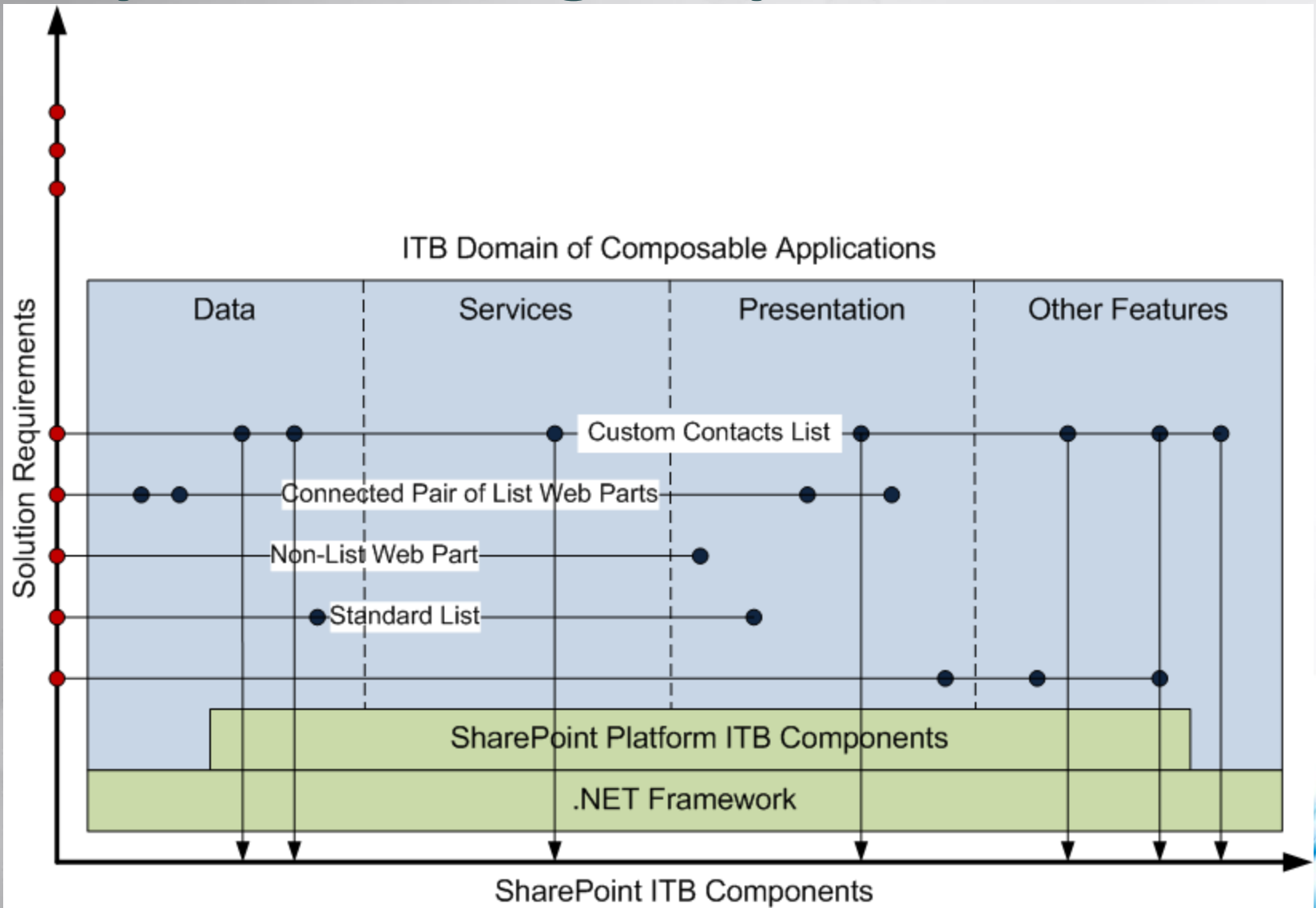
Map Requirement to ITB Components



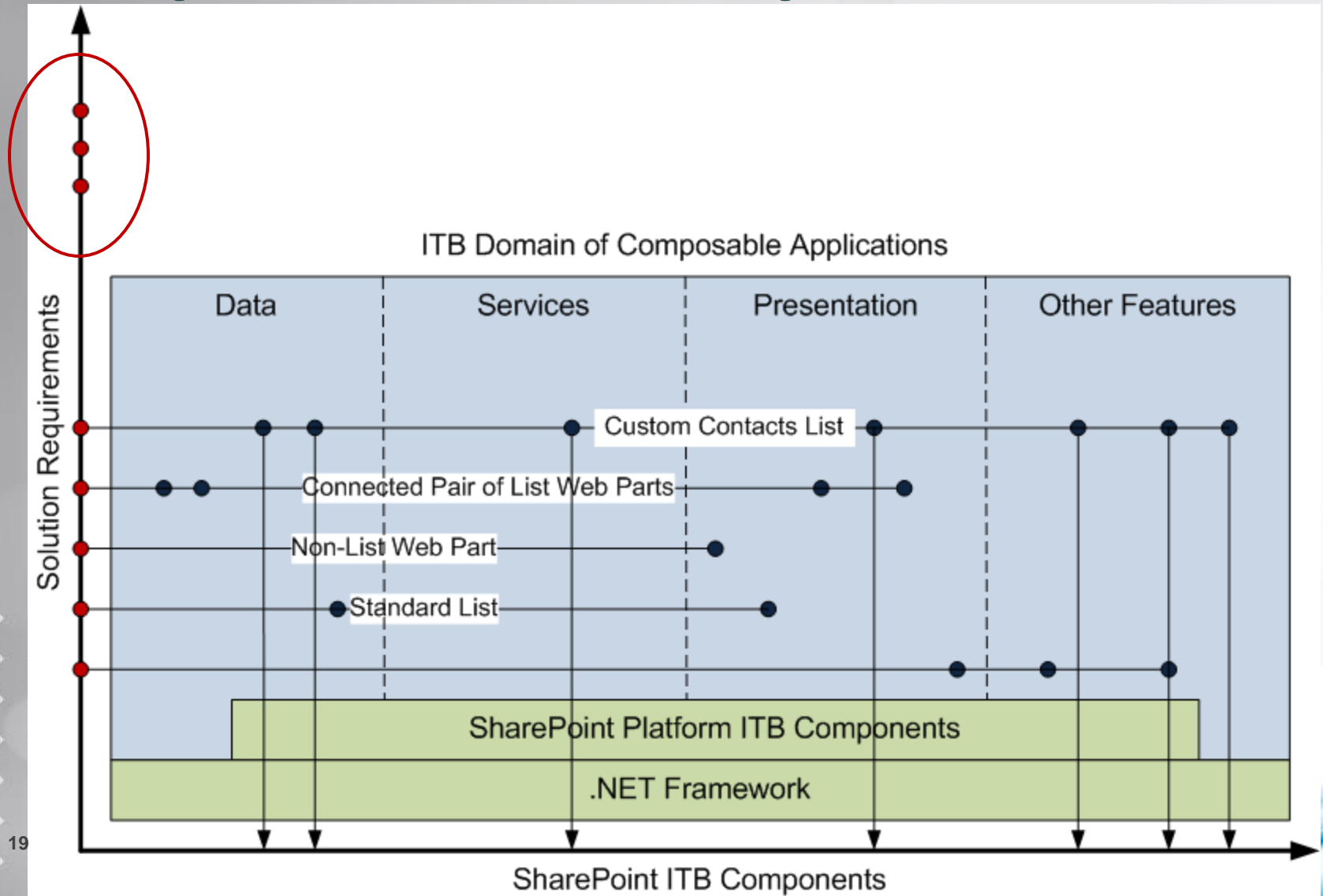
Map Requirement to ITB Components



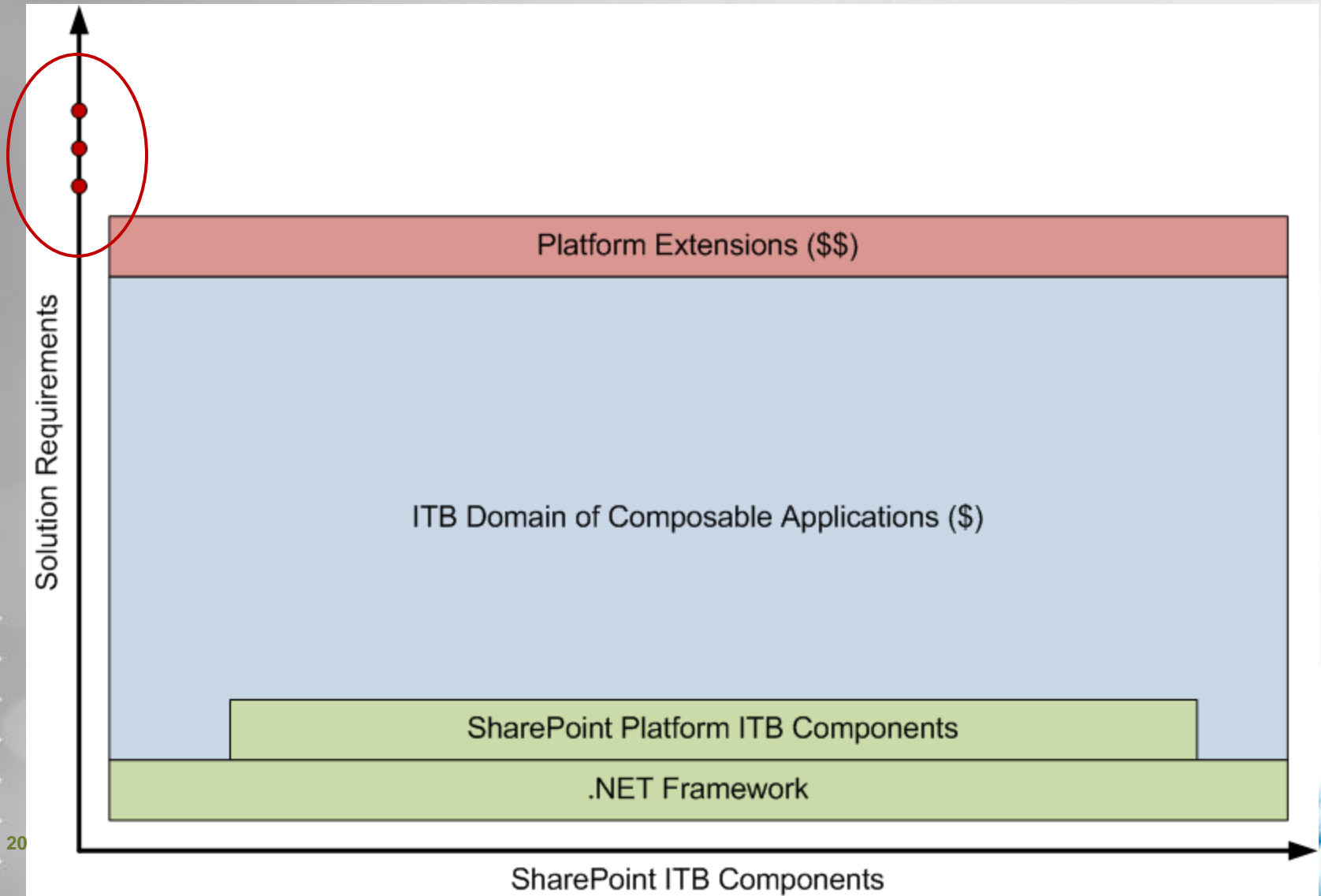
Map Remaining Requirements



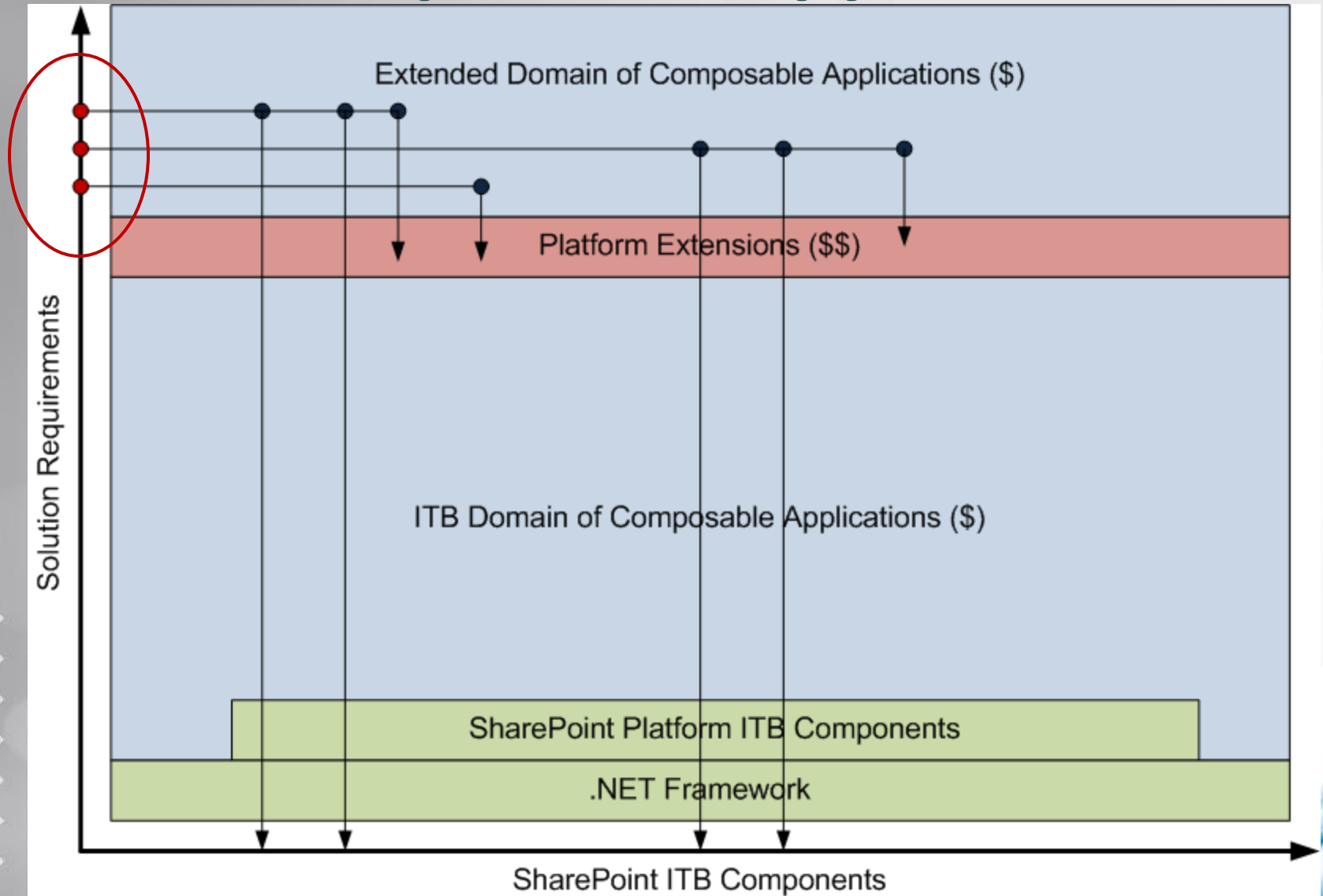
Unique Solution Requirements?



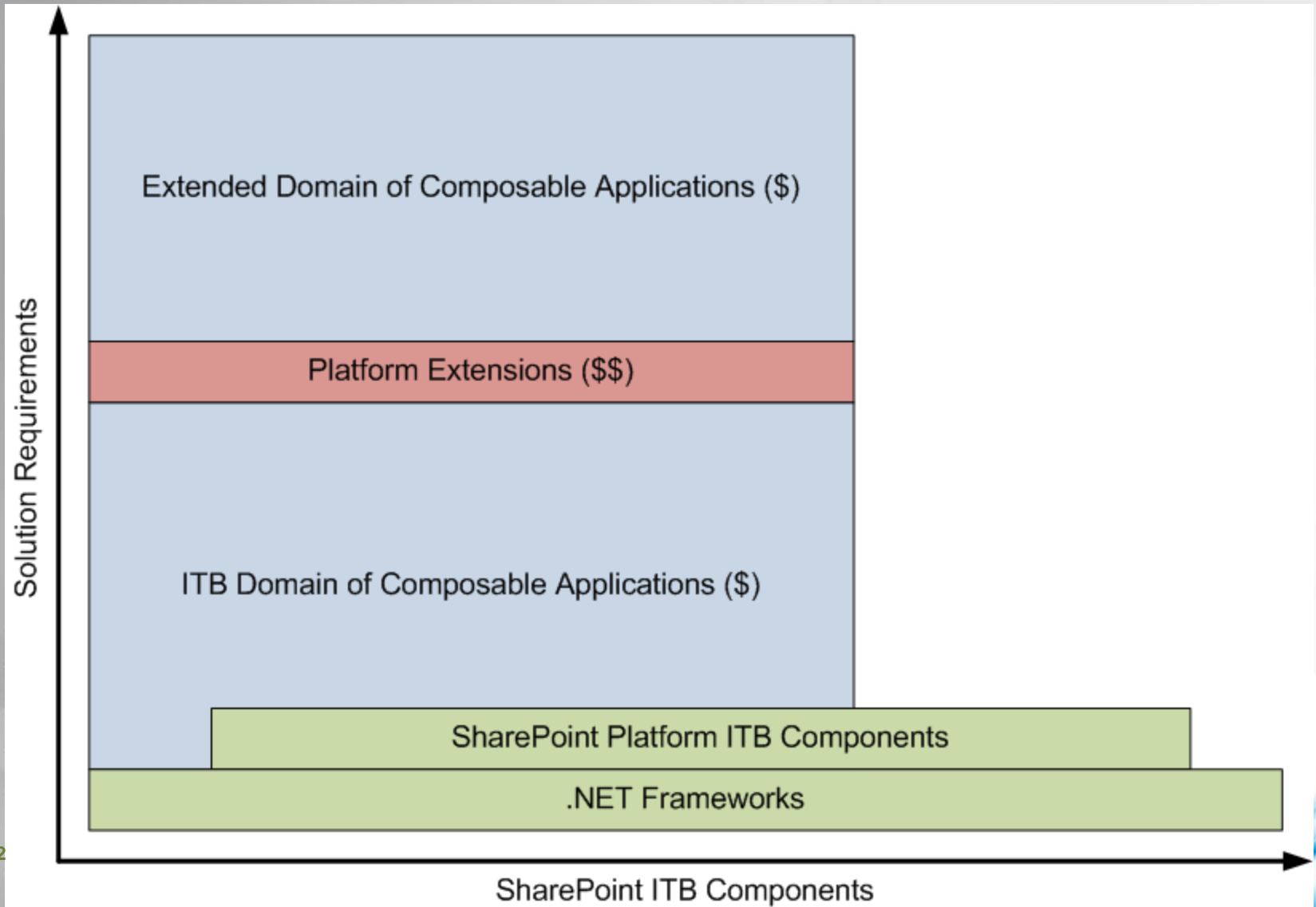
Well Chosen Platform Extensions



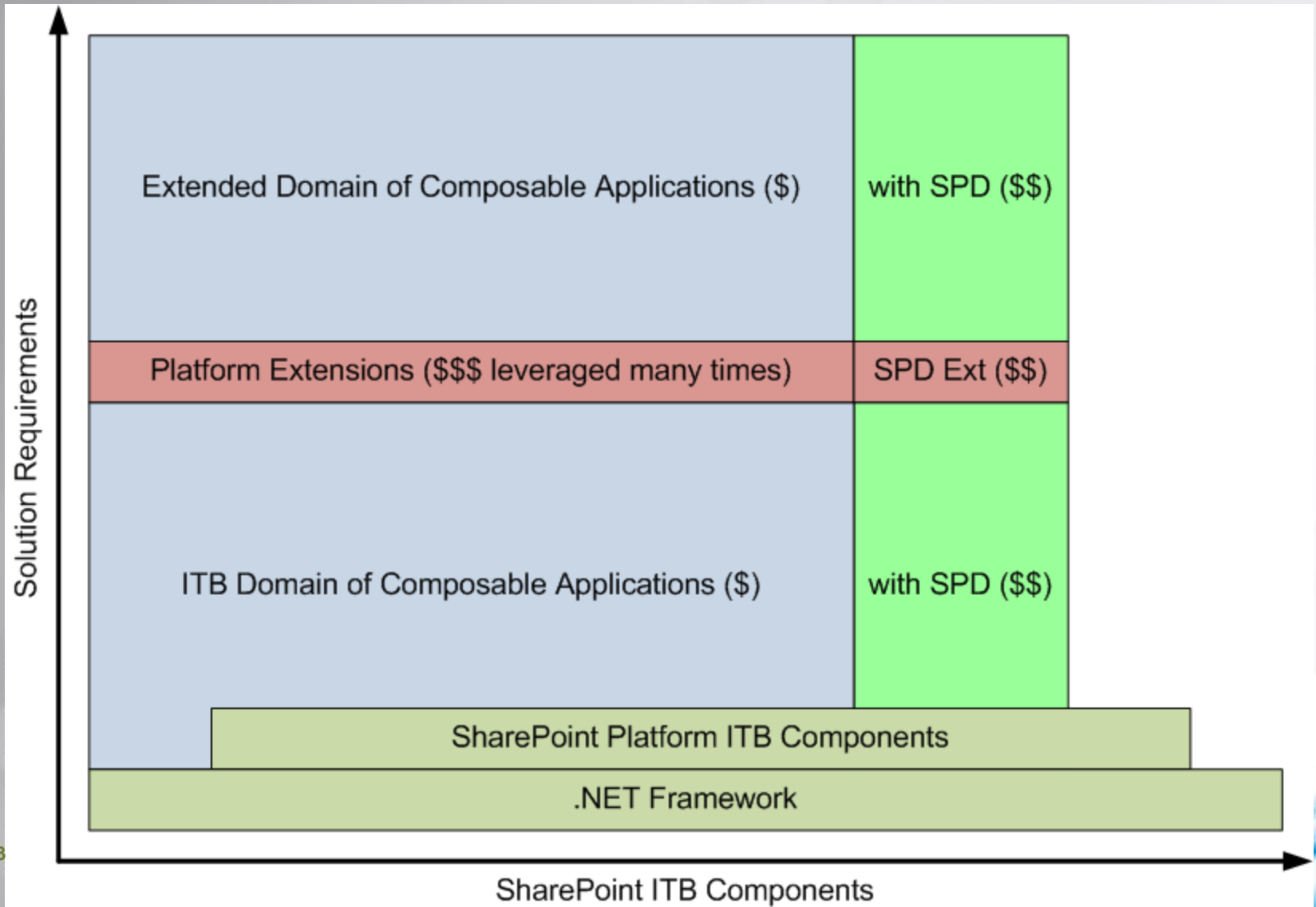
More Composable Applications



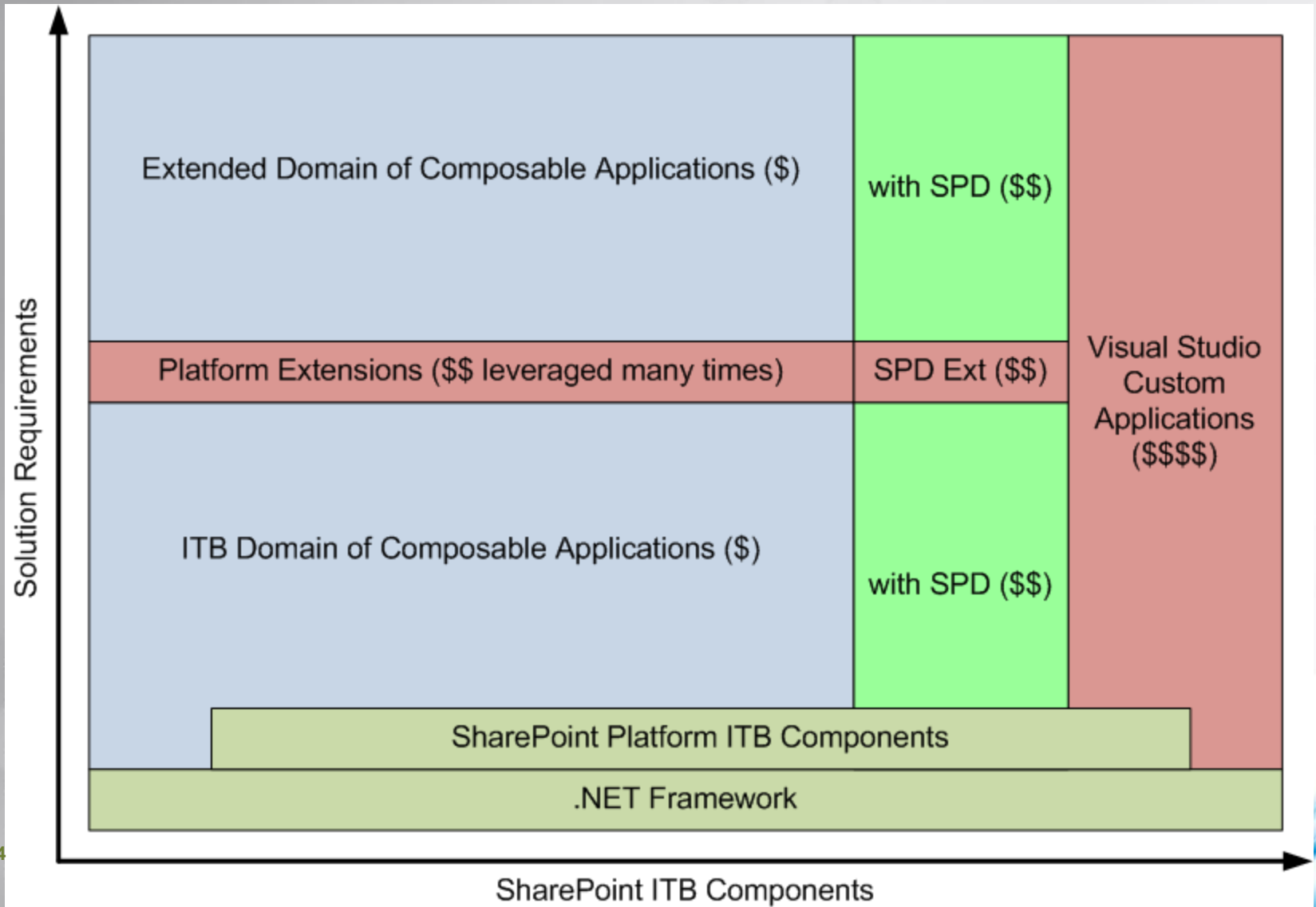
Simple Extensions Not Enough?



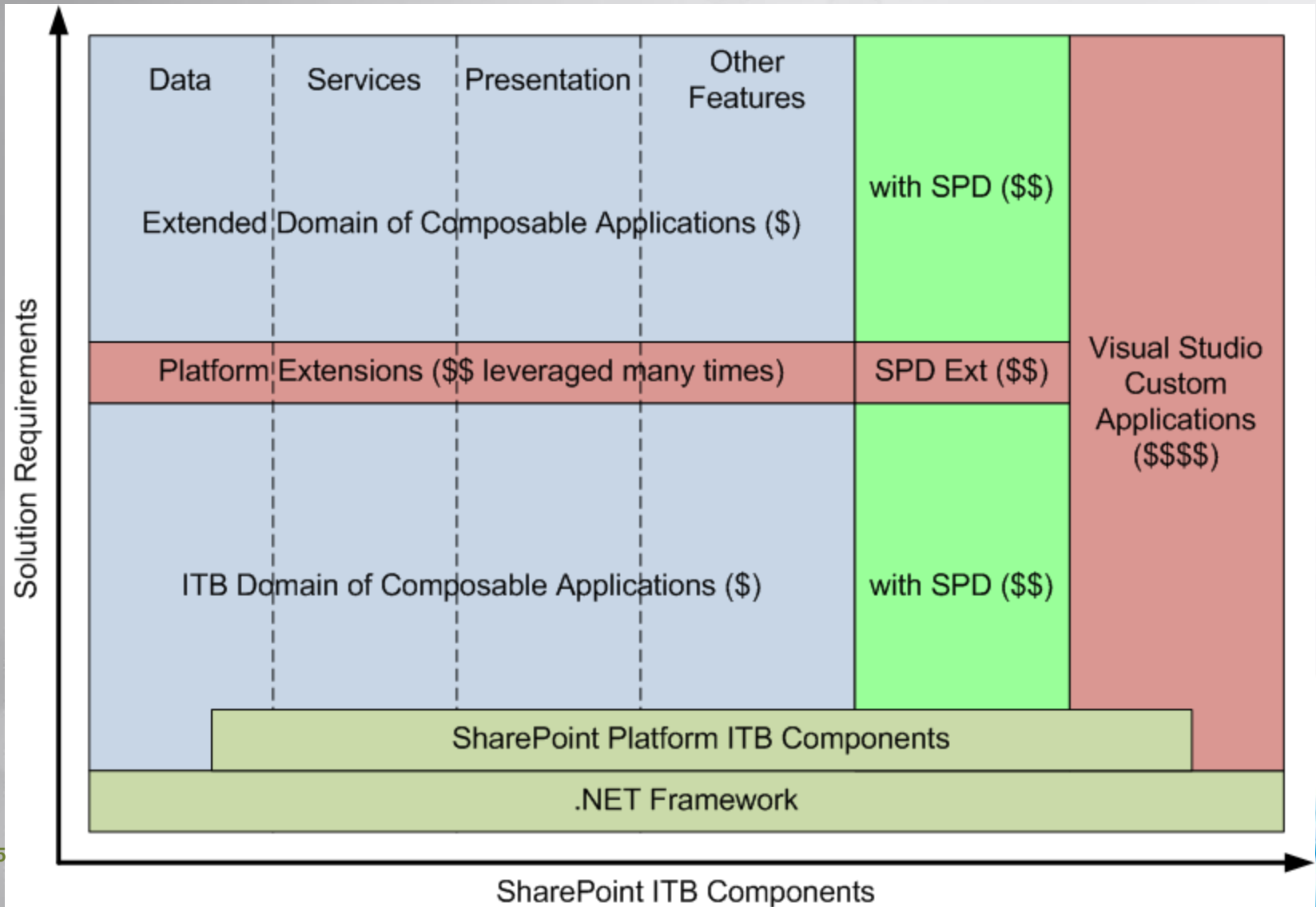
SharePoint Designer Customizations



Visual Studio Custom Development



Platform Extensions



Parallelspace Platform Extensions Project Templates for Visual Studio

Templates for Visual Studio
Extensions Project

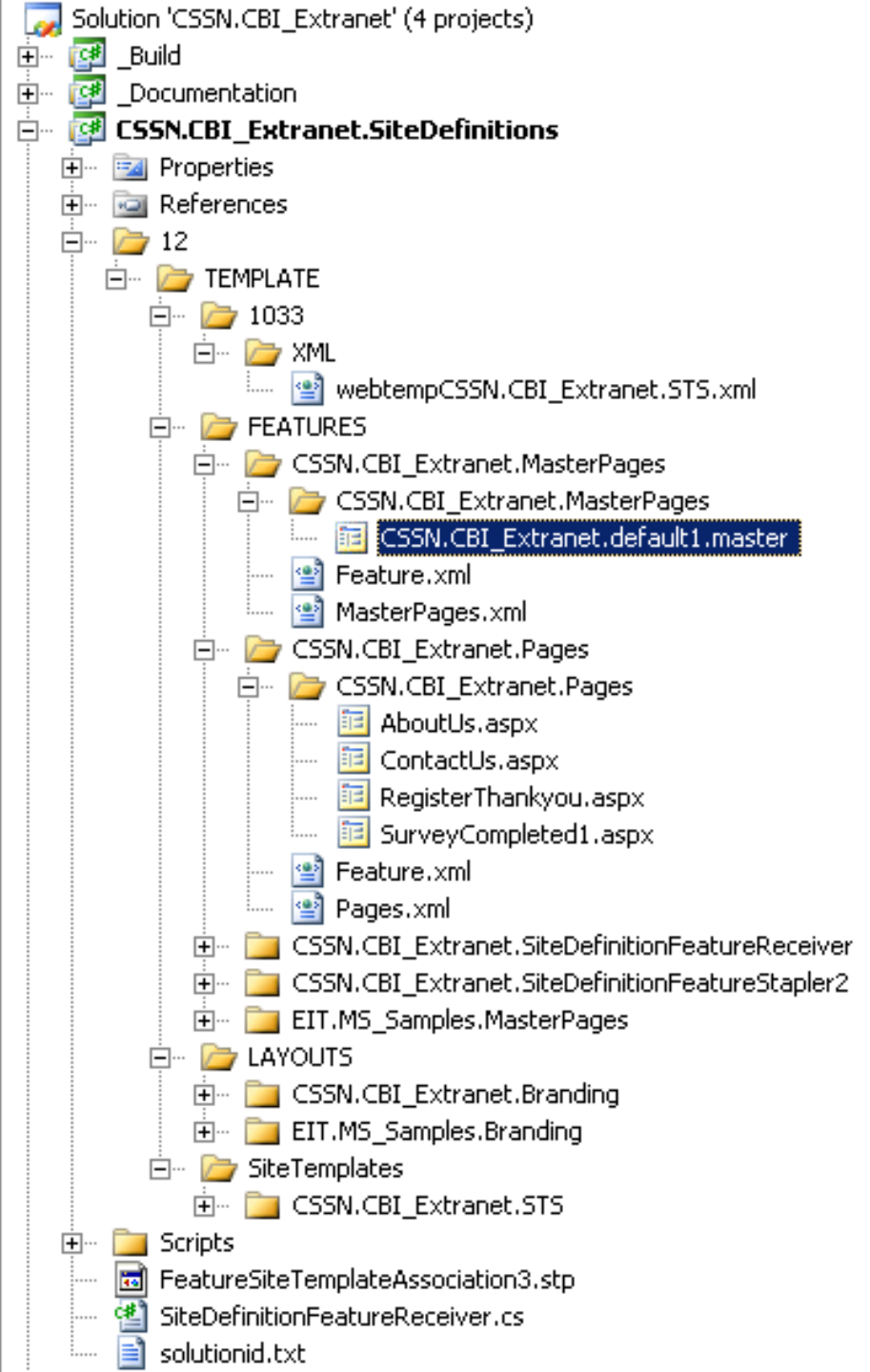
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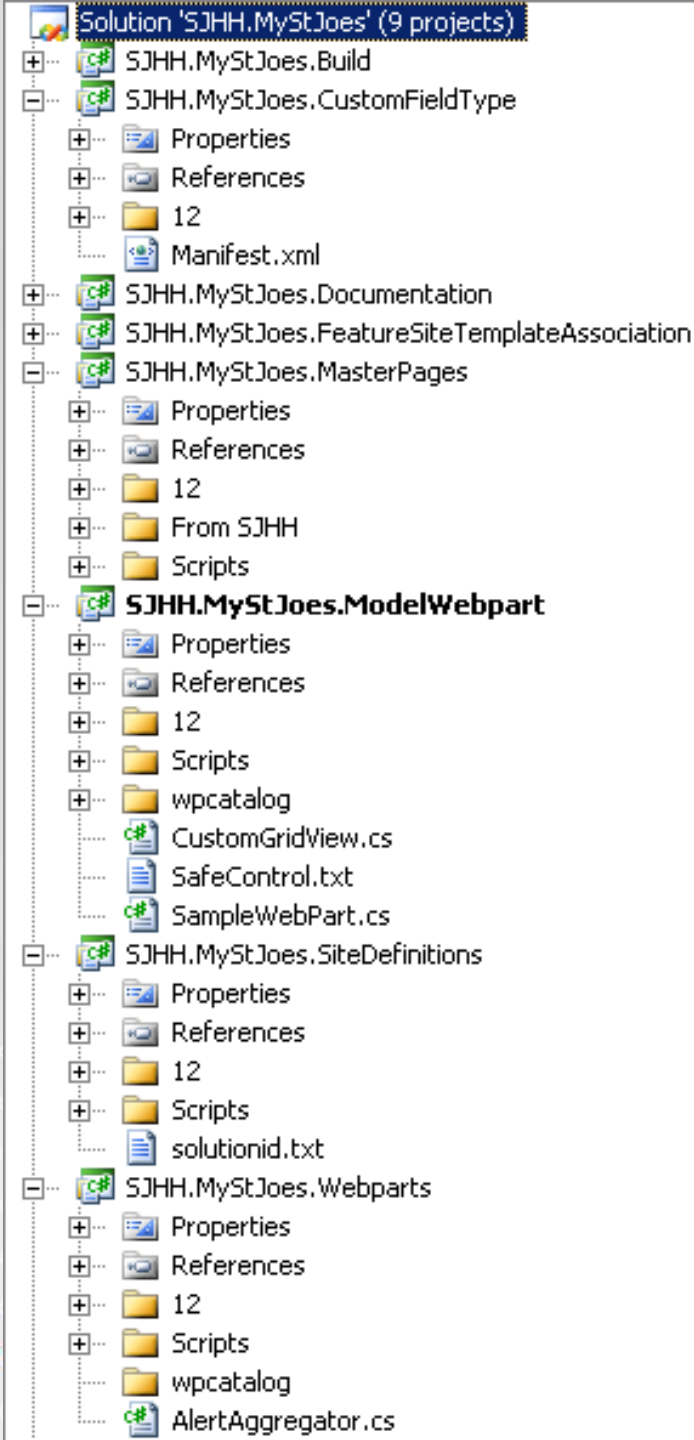
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Case Study 1

BEST PRACTICES



Case Study 2



Thank you for attending!

Ευχαριστώ για την παρουσίαση!

Please fill out your evaluation and
turn it in on the back table!



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