

OpenEdge 11.6

Telerik UI for WinForms

On en Parle ?

Oui

Non





- OpenEdge Product: GUI for .NET
- Telerik Product: UI for WinForms
- Demo – Showcasing the Telerik UI for WinForms
- Progress Developer Studio Visual Designer

What is the OpenEdge GUI for .NET?

- **Modern UI for OpenEdge applications using Microsoft WinForms**
 - Desktop enterprise business applications
 - Microsoft and third-party control providers results in hundreds of UI components
 - Data-centric UI controls
 - ADO.NET maps well to OpenEdge ProDataSet™
 - Visual Designer in Progress Developer Studio for OpenEdge
 - WAIT-FOR event model for .NET forms

- **More than just GUI – supports “most” .NET classes**
 - Expands your ABL program with .NET libraries
 - Object-oriented programming directly in ABL



Sample Transformation – Side-by-side

AutoEdge - HQ - Employee Daily Schedule

File Test Drive Maintenance Reports Help

Choose Date: 11/10/2008

Employees

- Schedule
 - Jones, Tom
 - North, Mike**
 - Reynolds, Margaret
 - Reynolds, Sarah
 - Torres, Steve
 - Walker, Keith
 - Woods, Richard

Interval	Customer Name	Car Description
08 AM - 09 AM		
09 AM - 10 AM		
10 AM - 11 AM		
11 AM - 12 PM		
12 PM - 01 PM		
01 PM - 02 PM	Watson, Justin	Black Potomoc Granduer Hatch
02 PM - 03 PM		
03 PM - 04 PM		
04 PM - 05 PM		

User: tom

AutoEdge Dealer System

Tasks Reporting Misc

Daily Schedule Testdrives Inventory Customer Dealer Employee Maintenance

Test Drive Schedule

Test Drive Schedule

- ☐ Stiller Motors Inc. (Dealer)
 - ☒ North, Mike
 - ☐ Woods, Richard
 - ☒ Reynolds, Sarah
 - ☐ Hughes, Mary
 - ☐ Moore, Nancy
 - ☐ Shaw, Robert
- ☐ Roth Brothers Corp. (Dea

[Unassigned]	North, Mike	Reynolds, Sarah
26 Wednesday	26 Wednesday	26 Wednesday

9 am Margaret Ward/White Honda Civic Hatchback Stiller Motors

10 00 Click to add

November 2008

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

December 2008

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

User: tom 5:10 PM 11/6/2008

Enterprise Development

"What exactly are we building?"

- Line of Business (LOB) Applications
- Enterprise Applications
- Vibrant Dashboards
- Touch Enabled Applications



Sales Manager Dashboard

Executive Dashboard



UI for WinForms

"Energize your apps!"

- 110+ Unique UI Controls (Editors, GridView, RichTextBox, Scheduler)
- Highly Optimized Performance
 - Powerful Data Engine – Blazing fast data loading and updates
 - Virtualization – Cells/rows and Columns
 - Minimized repainting and layout rearrangements
- Build Touch-Enabled Apps (Windows 7 +)
 - Multi-touch API fully supports touch gestures
 - Touch-Enabled Controls (GridView, TreeView, Panorama)
 - Metro UI (Windows Store Apps) Theme
- Productivity Tools (*Visual Style Builder, Control Spy, Shape Editor*)

Telerik Presentation Framework

“WPF Inspired Architecture”

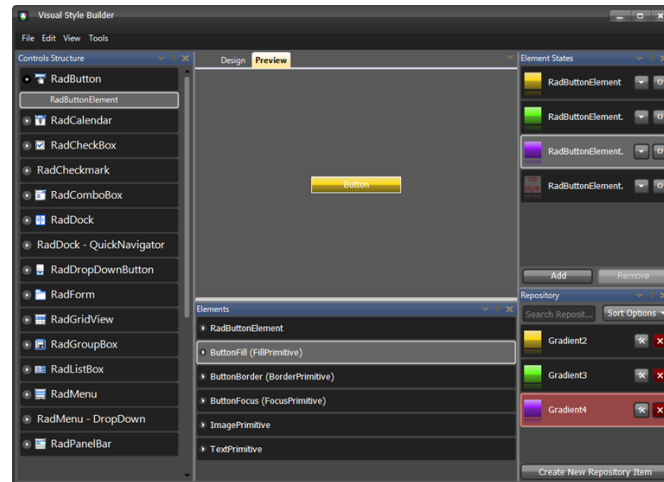
- A completely customizable architecture for WinForms controls based on WPF best practices
 - Stunning WPF-like User Interface - Scaling, Rotation, Animations, Transparency
 - Flash-like Animations
 - Superior Performance
 - Rich Text Formatting through HTML
 - Unlimited Nesting of UI Elements
 - Granular Customization of All Elements
 - Custom Controls
 - Theme Support



Full Theme Support

“Next generation look and feel”

- Use predefined themes or build new ones from scratch
- Apply themes across all of the WinForms controls
- Themes available as standalone components
- Drag and drop control skinning using Visual Studio Toolbox
- Visual Style Builder
 - Set Properties
 - Inherit Properties
 - Animate Changes
 - Save modified themes



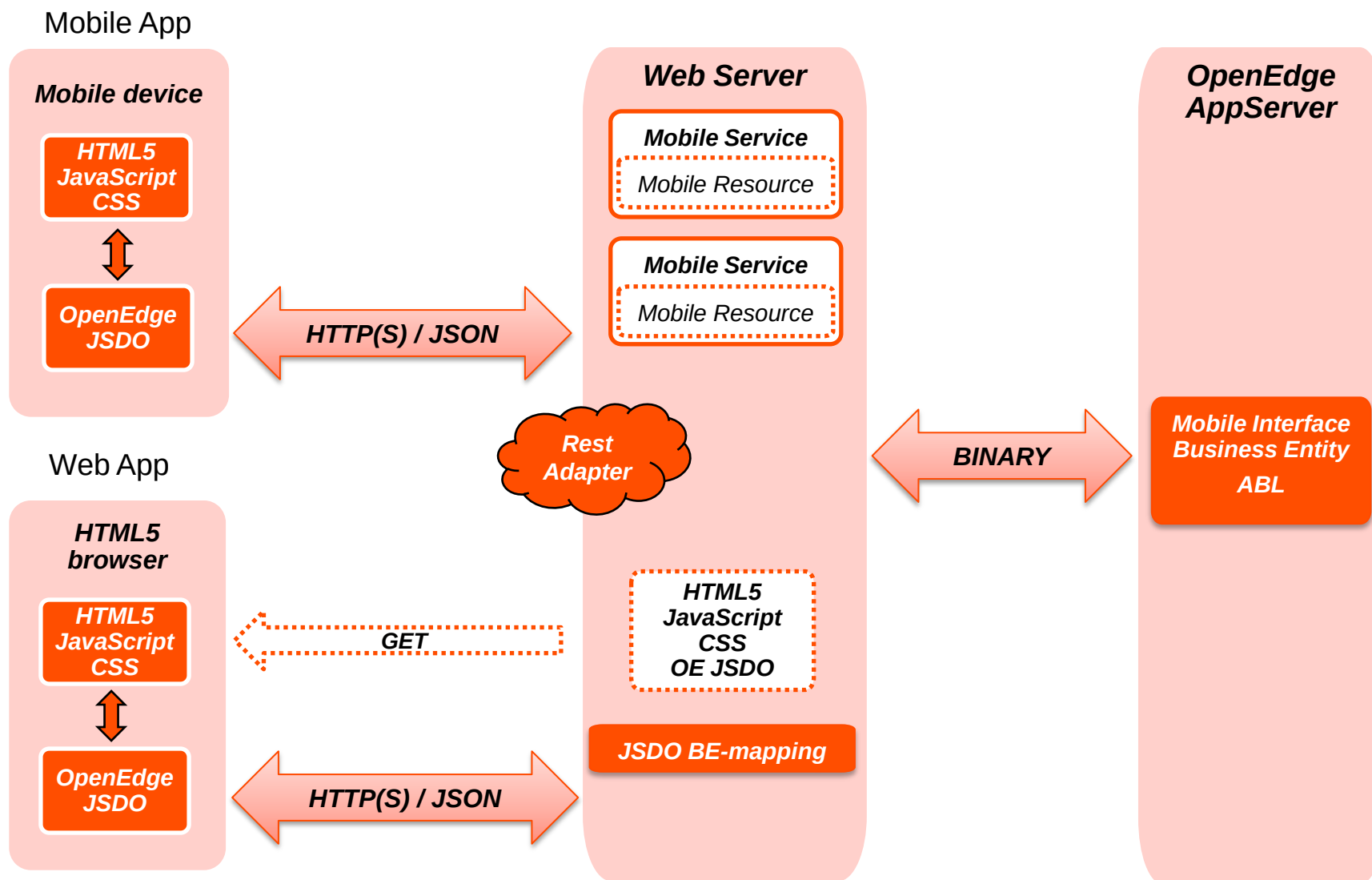
Modernisation Web avec Telerik KENDO UI



Agenda

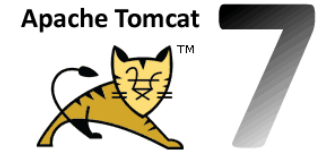
- **Classic AppServer**
 - mobile architecture
- **Pacific Application Server for OpenEdge (PAS for OE)**
 - what is PAS for OE?
 - mobile architecture
- **JavaScript Data Object (JSDO)**
 - what is the JSDO?
 - why should I use the JSDO?
 - Kendo DataSource and the JSDO
- **Demo**
- **Model View ViewModel (MVVM)**
- **Questions**

Architecture – Classic OpenEdge AppServer

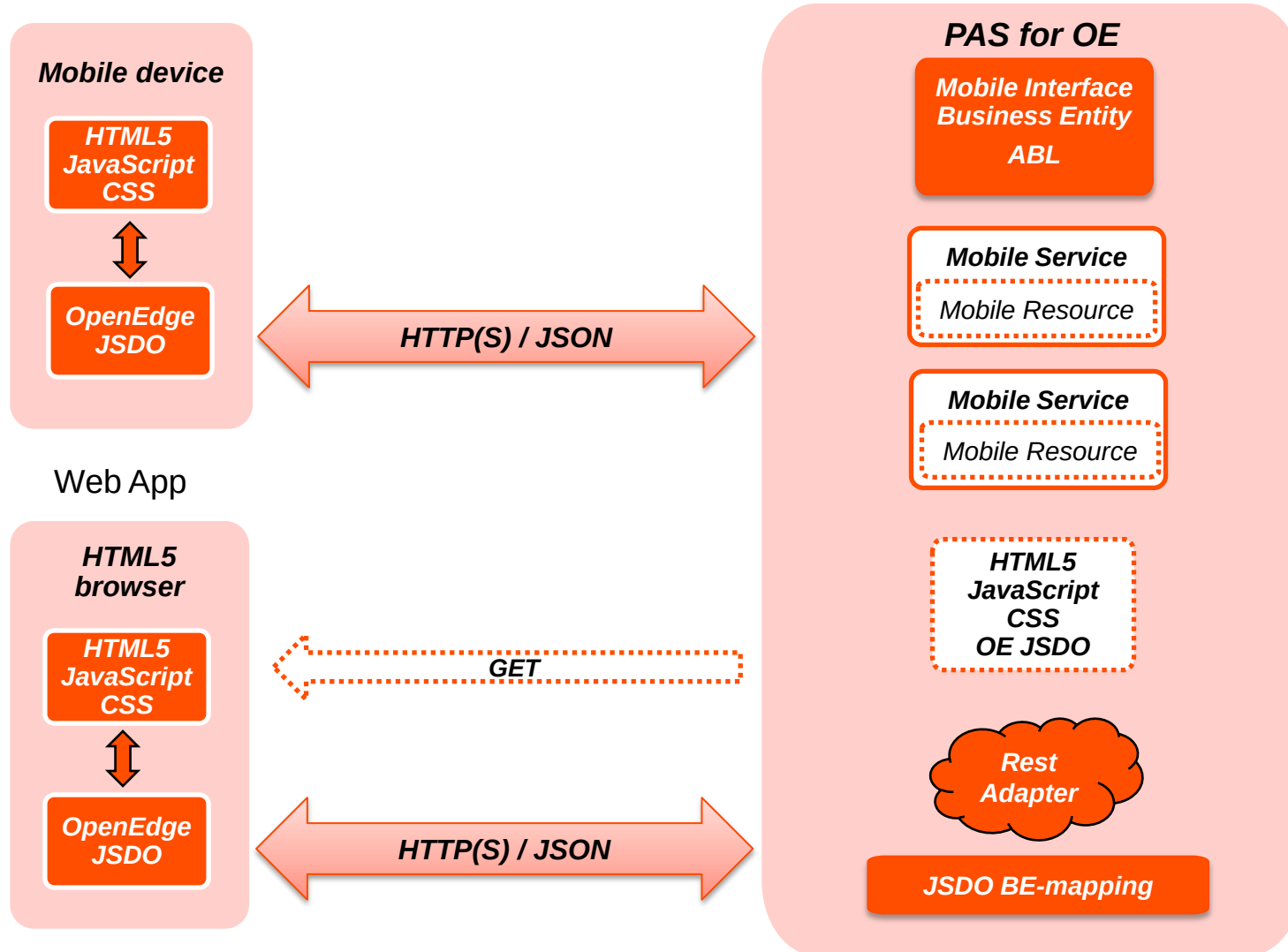


Pacific Application Server for OpenEdge

- Enterprise class web/application server that integrates multiple functions
 - Web Server (Tomcat), OpenEdge AppServer, OpenEdge AppServer adapters
- Highly scalable
 - Multi-Session agent
 - Tomcat with industry standard load balancing
- Spring Security framework built-in
- No separate AppServers required for different state-models
- Little to no ABL code changes when migrating



Architecture – Pacific Application Server for OE



- Less overhead
- Reduced number of OS processes
- Better overall system performance
- One place to deploy

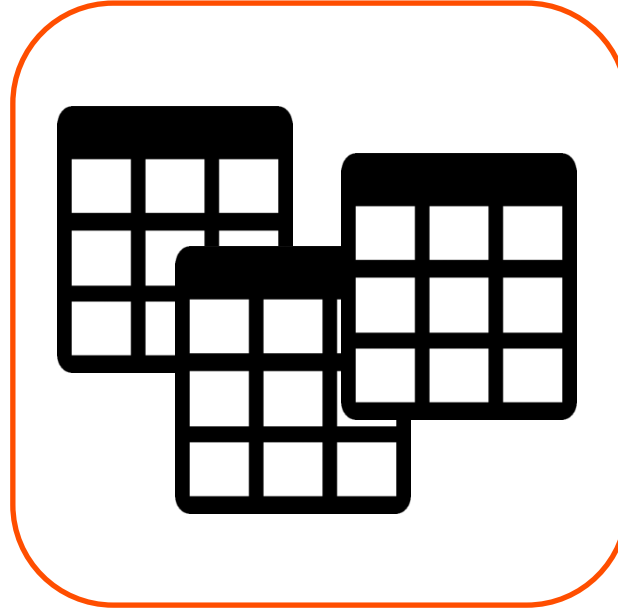
JSDO – JavaScript Data Object

- Client side object provides access to mobile resources exposed as a web service
 - Resources are ABL business logic and OpenEdge data
- Encapsulates functionality needed to manipulate client side data
- Communicates with an AppServer sending and receiving data
 - Can execute CRUD operations as defined in the Business Entity
 - Can invoke methods on an AppServer
- JSDO properties and methods
 - A JavaScript program or a JavaScript framework uses the JSDO methods to make requests of the JSDO

Why should I use the JSDO?



- ✓ Multi-user change tracking
- ✓ Session management
- ✓ Invoke methods on AS

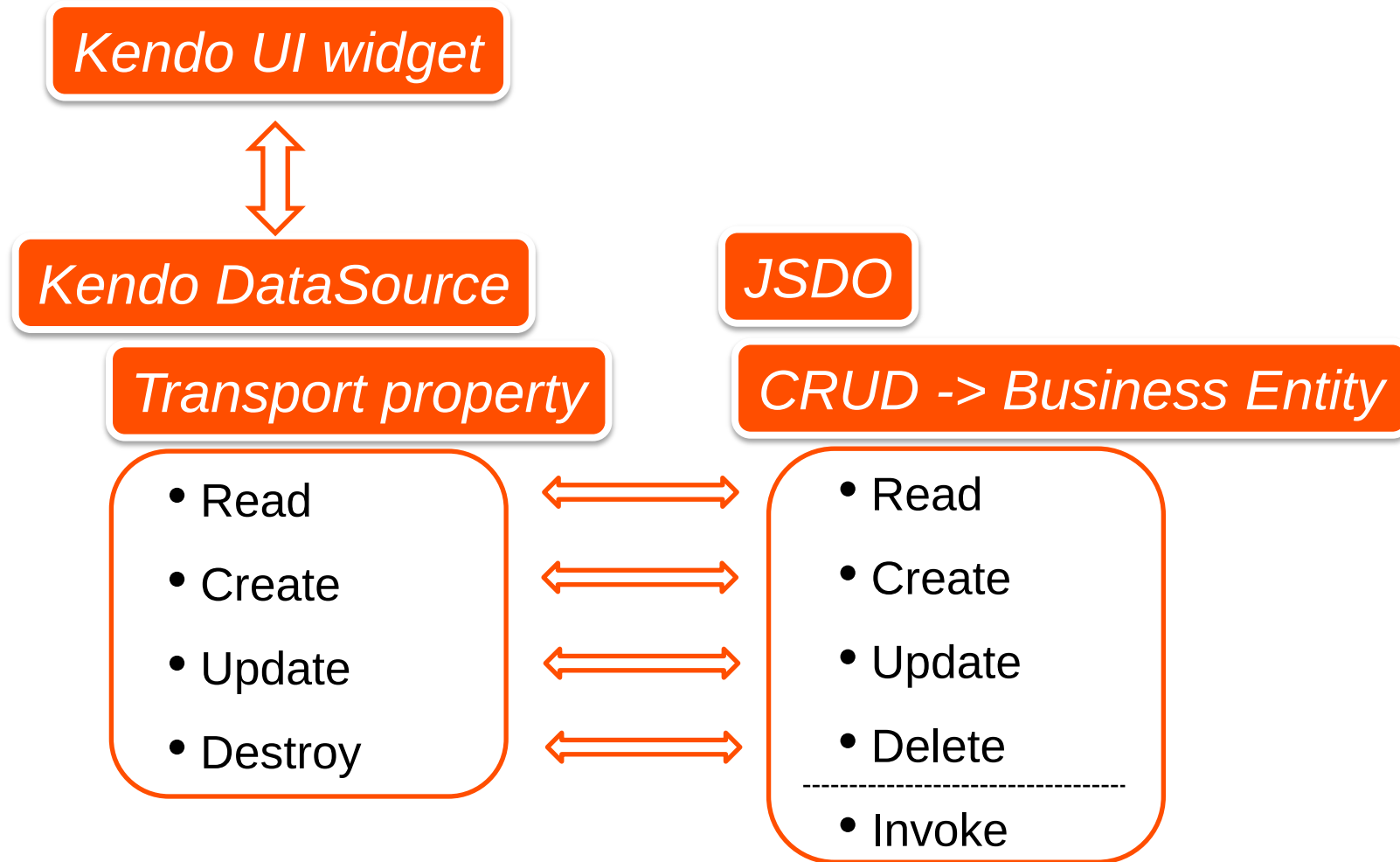


- ✓ Multi-table support
- ✓ Multiple CRUD actions
- ✓ Access to data definitions

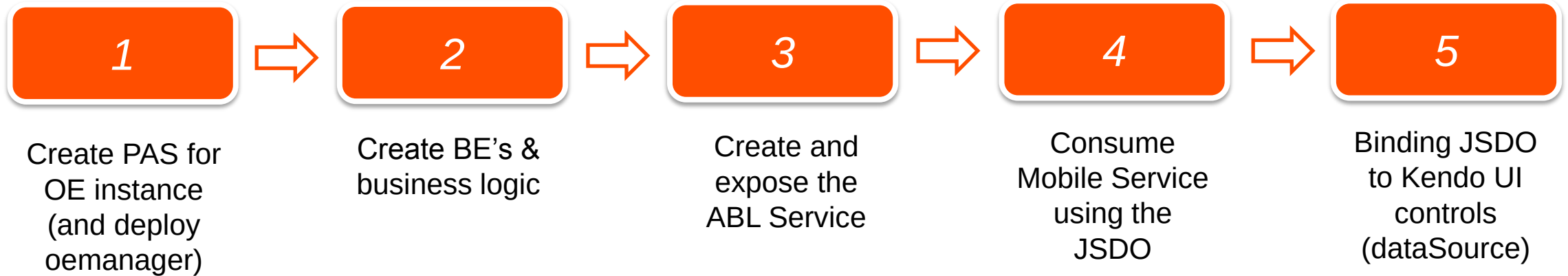


- ✓ Local storage
- ✓ Any JavaScript framework
- ✓ No knowledge of URI's

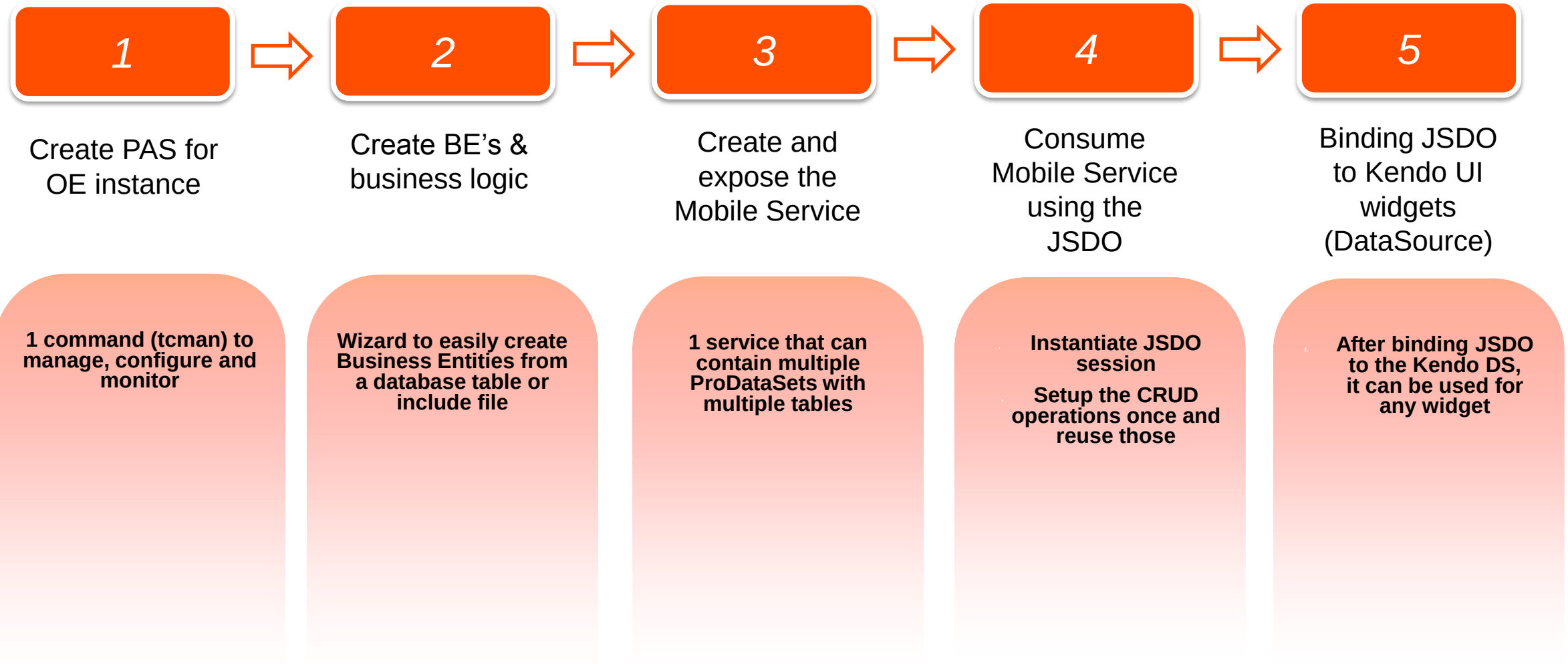
Kendo DataSource and the JSDO



Let's Build!



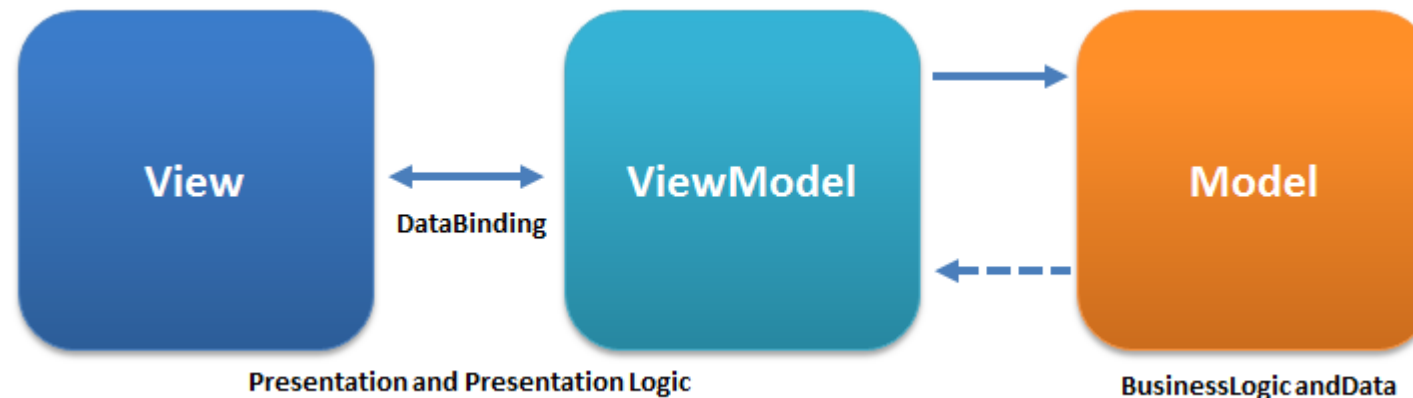
Recap...



MVVM – separating logic from UI

*Model View ViewModel (**MVVM**) is a design pattern which helps developers separate the Model (the data) from the View (the UI).*

The View-Model part of MVVM is responsible for exposing the data objects from the Model in such a way that those objects are easily consumed in the View.



Quelques liens

- <http://demos.telerik.com/Kendo-ui>
- <http://oemobiledemo.progress.com/jsdo/example011.html>
- <http://oemobiledemo.progress.com/jsdo/example012.html>
- <http://oemobiledemo.progress.com/jsdo/example014.html>
- <http://oemobiledemo.progress.com/jsdo/example015.html>
- <http://oemobiledemo.progress.com/jsdo/example016.html>



Progress + Telerik: Better together

- **Shared vision:** Transform customers into modern digital businesses
- **Tech/Business leader:** Turning technology and trends into business value - cloud, mobile, social, big data, data + apps, etc.

Q & A