

WebClient i+ for CA Plex Product Update

Session 7A

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ADC Austin Tech



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MKS

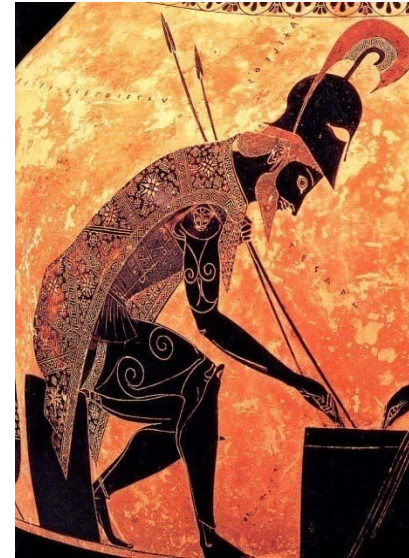
WEBSYDIAN™

cm FIRST

desynit
ca™

What are we talking about?

- Web developments – Ajax and RIA gain ground
- WebClient for CA Plex Intro
 - RIA in 5 minutes
 - Ajax Presentation Layer
- Demonstration
- Customer use cases
- Roadmap / Next Steps





Ajax – Big now and getting more popular

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Classic web application issues

- > Poor Interactivity
- > Unresponsiveness /
Page Refresh
- > Simplistic Interfaces
- > Low usability
- > =Dissatisfaction

Fields in **bold** are required.

A. Physicians/ health care providers and their representatives filing the complaint must complete [Attachment A](#)

I. Complainant Contact Information

Date (mm/dd/yyyy):

Name (First, Middle, Last):

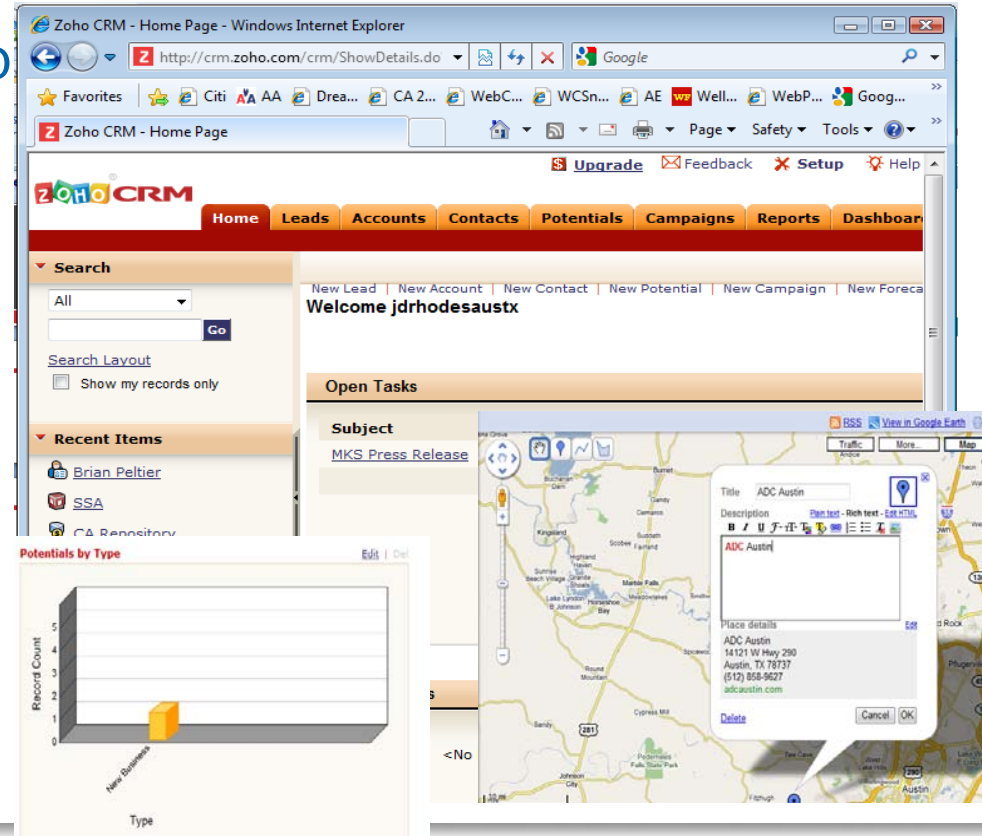
Organization or Entity Name:

Street Address:

City or Town State/ZIP:

Ajax Use Cases

- > Replacement of desktop applications
 - Easier Distribution
- > Customer self service
- > Analytics
- > Productivity
- > Appearance



WebClient addresses Ajax Concerns

- > Security
- > Complexity
- > Bandwidth (less)

- > The solution:
WebClient/Plex generated code
 - Use your standard Plex skills
 - Security built in
 - No direct DB access,
No SQL Injection
 - Multi-tier high performance



**Building an aircraft carrier while
underway - Sun**

Ajax/RIA Justification

- > 44% of businesses have RIA in production
- > Customer facing apps are moving forward even in current economy
- > Saves money over desktop, distribution/development

Customers Come First

What prompted your organization to adopt RIAs?



Data: *InformationWeek* Research Rich Internet Applications Survey of 351 business technology professionals

Ajax vs. other RIA Approaches (Adobe Air, Silverlight, JavaFX,

- > 100% Open Standards Based
- > Cross-browser capability
- > Optimizations by browser suppliers
- > SEO Friendly
- > No plug-ins required
- > Wide Adoption

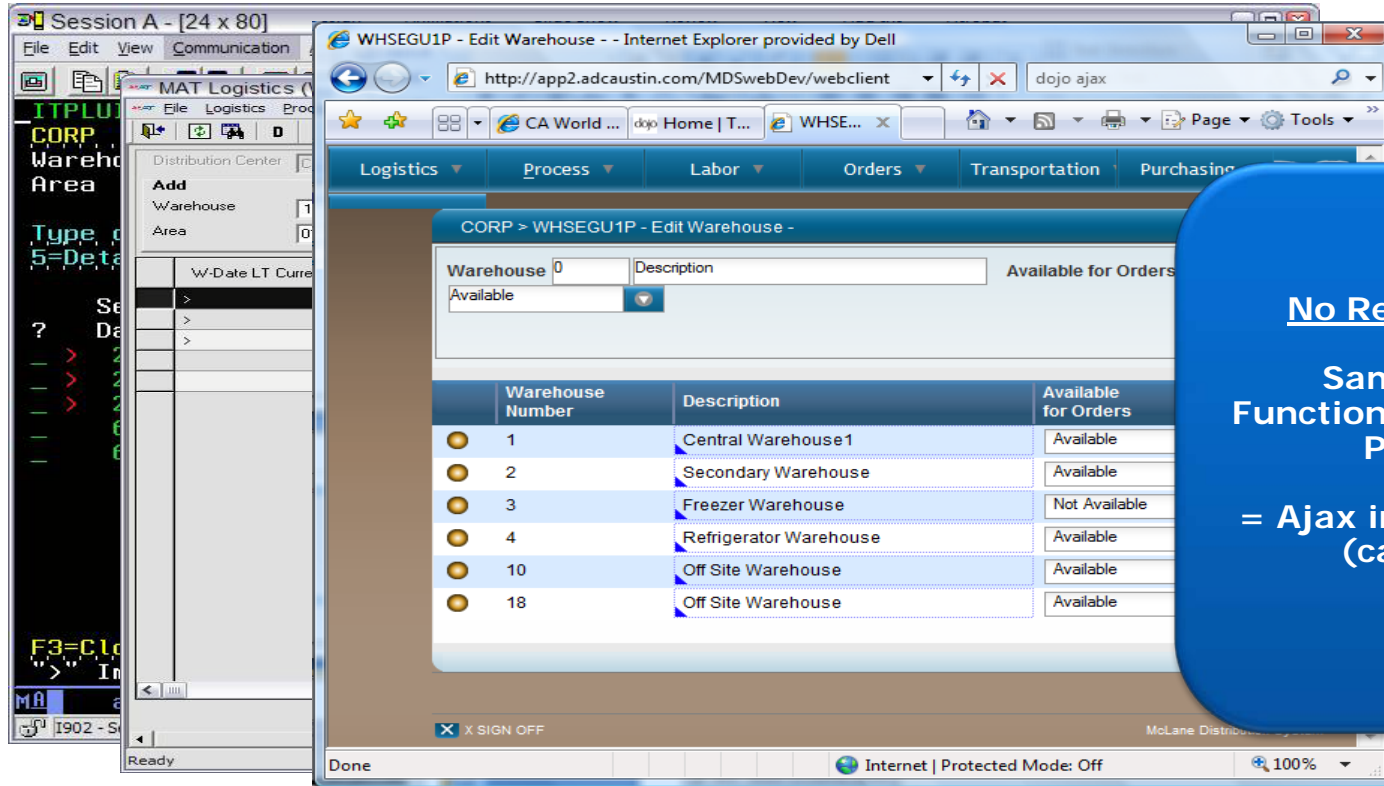
However – it is not an either – or question. Use of multiple approaches in a single application is increasing



WebClient Product Intro

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What does WebClient do?



No Rewrite Required!

Same Plex Object
Function / Business Logic /
Panel Design

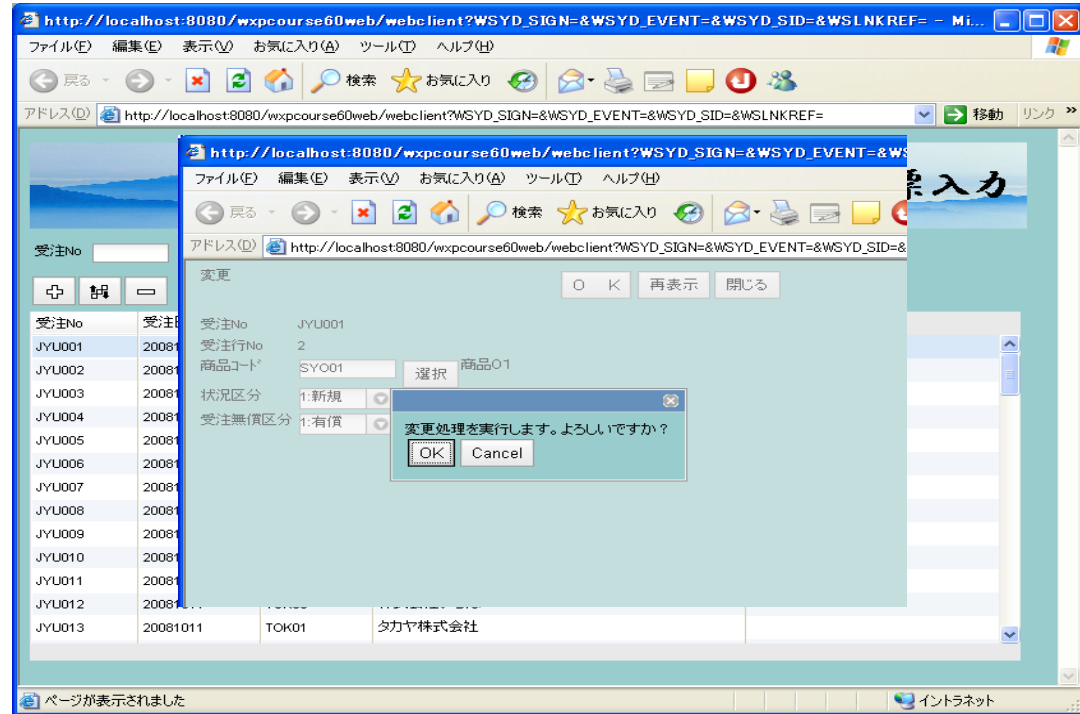
= Ajax in 5 minutes or less
(caveats apply)

WebClient is International

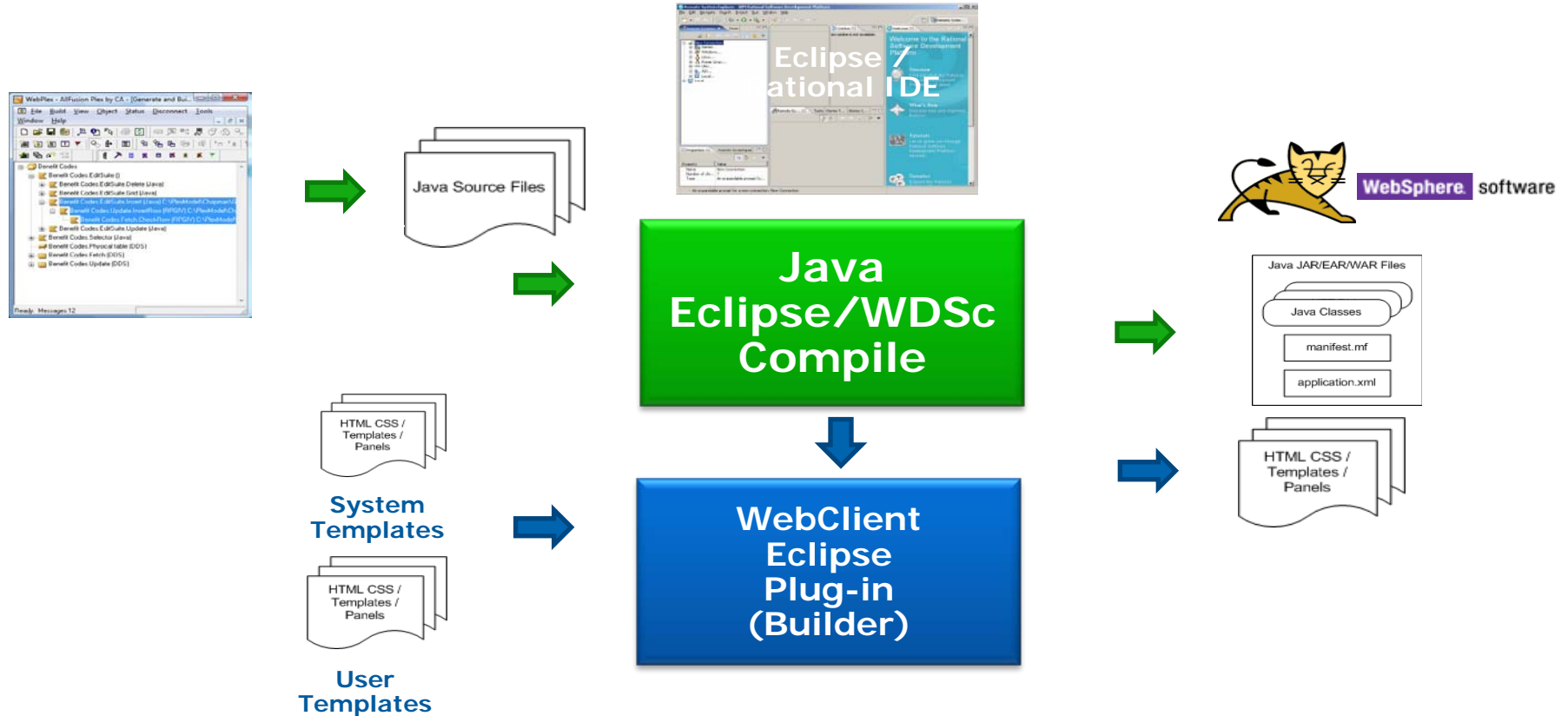
**Projects
Underway**

**Spain
Germany
Japan
Switzerland
Ecuador
Mexico
USA**

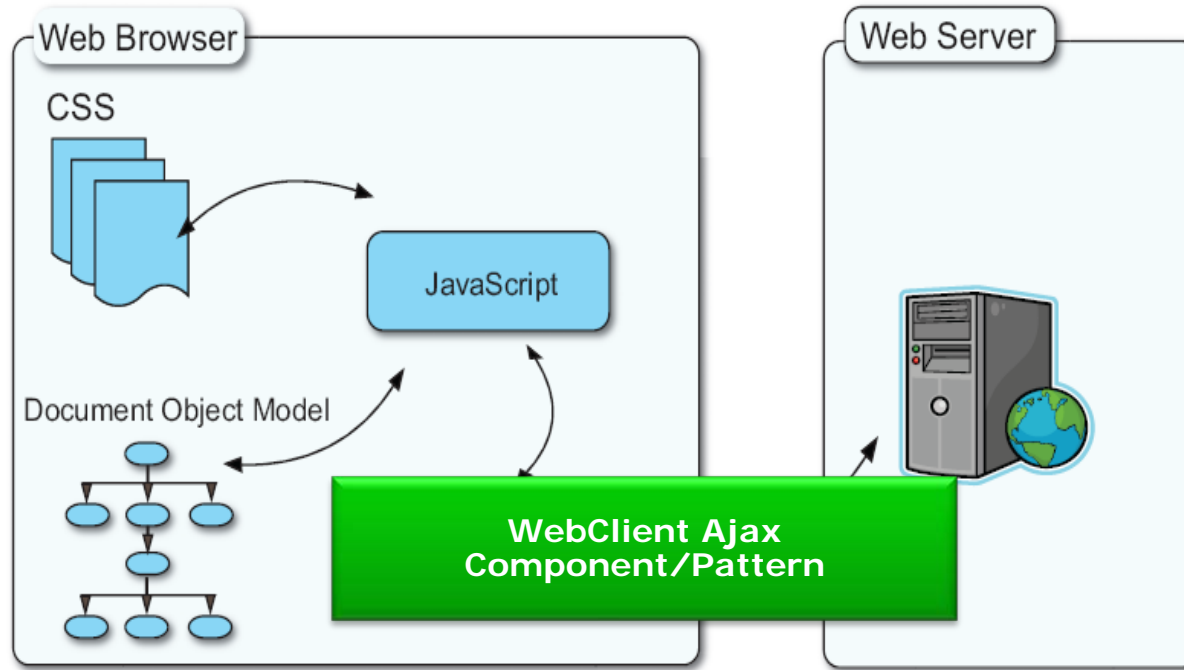
And others...



Development Environment



Ajax Web Page Interactions



WebClient, Ajax, and Javascript

- > Ajax uses JavaScript as the programming framework
- > However, JavaScript on a web page is **NOT** Ajax
- > WebClient uses both techniques

Reasons to use Ajax

- > **Avoid Page Refreshes**
- > Grid Pagination
- > Update web page dynamic regions, tabs, popups, etc.



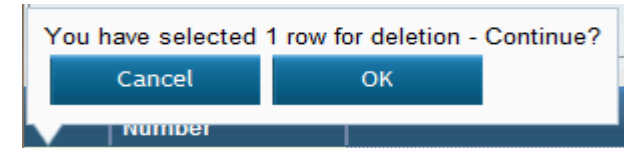
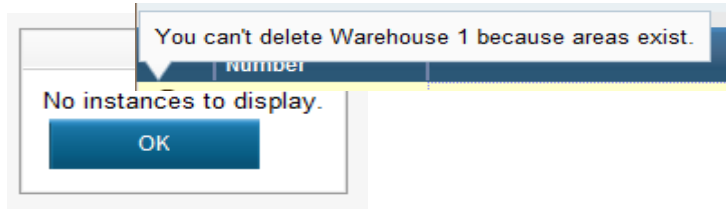
WebClient Components (Dojo)

- > Rich, Open Source
- > Commercial support – IBM, SUN, BEA, ...
- > Standards based
 - Internationalization (i18n)
 - Localization (l10n)
 - Accessibility (a11y)
- > Many components support Ajax



WebClient Presentation Component Examples

	Whse	Description	Available for Orders	Capacity Basis	C
AA	Aisle AA	Not Available	Units		
AAR	Aisle AA Reserve	Available	Not Managed		
AA1	Aisle AA1	Available	Not Managed		
A01	Aisle A01	Available	Not Managed		
A03	Aisle 03	Available	Units		



CORP ... > ITMW09 - Item Maintenance

Item Number. #

Item #

005715

ITMER15 - Warehouse Item Maintenance

1 Active

Logistics Process Labor Orders Trans

Item Maintenance
Warehouse Setup
Prompt Primary Pick Assignment
Receiving
Inventory Maintenance
Warehouse Putaway Configuration
Warehouse Maintenance
Warehouse Inquiry

U1P - Edit Warehouse -

18 Off Site Warehouse

Warehouse Area
Display Pallet
Pick Slot Item Assignment
Delete...

8/5/08

August

S M T W T F S

27 28 29 30 31 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 1 2 3 4 5 6

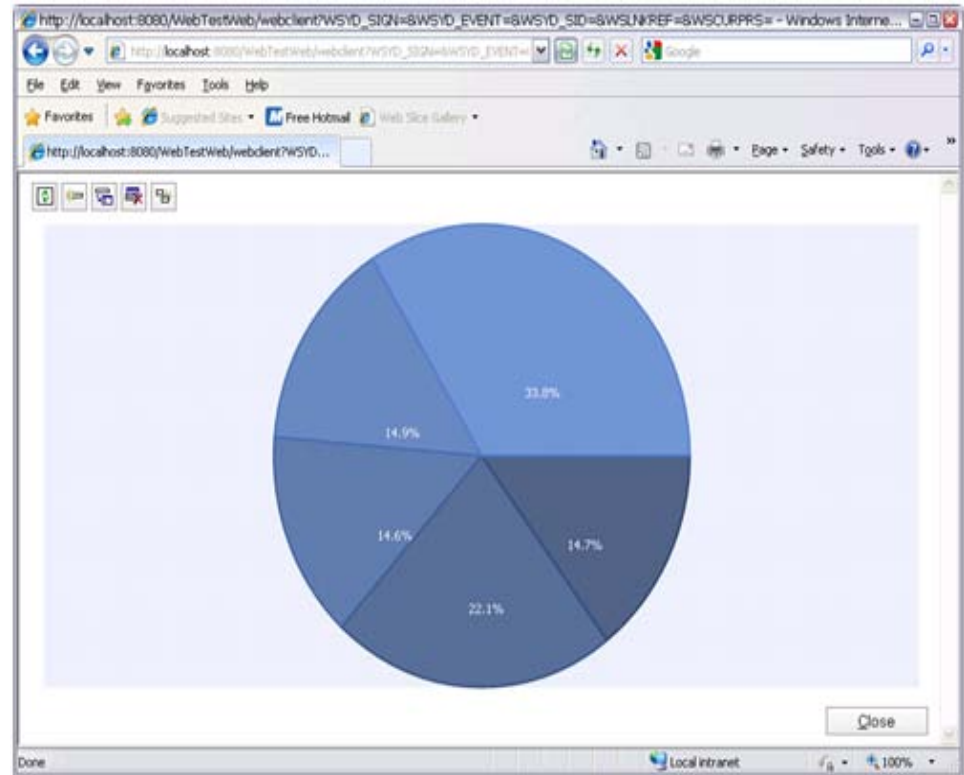
2007 2008 2009

CORP ... > ITMW09 - Item Maintenance

Item Number. Description

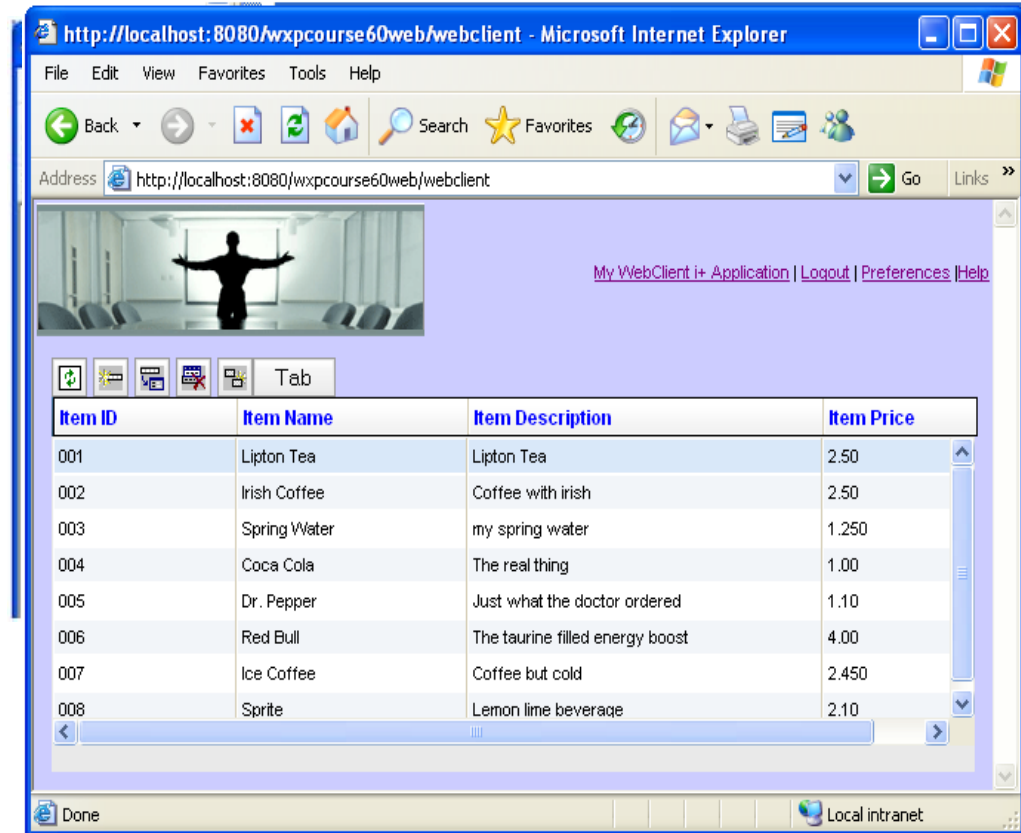
Business Intelligence

- > Integration with DojoX business charting
- > Integration with DB2 WebQuery, Axis web services to other BI engines



Style Sheet Support

- > Style sheet control of all html elements
- > Apply templating standard Plex inheritance, control directives
- > Very flexible, complete control



Simple Deep Link

<http://server/handler?program=wxvf&parm1=1.0&parm2=xyz>



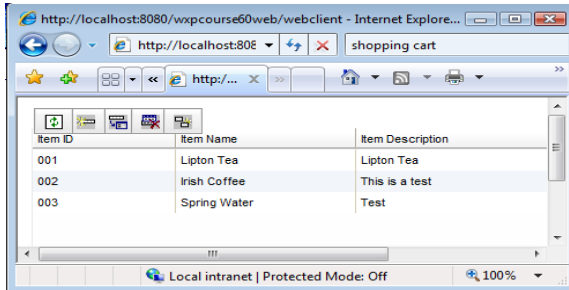
Handler
Servlet

XML String with structured
Plex call information (all
IO Parameters)

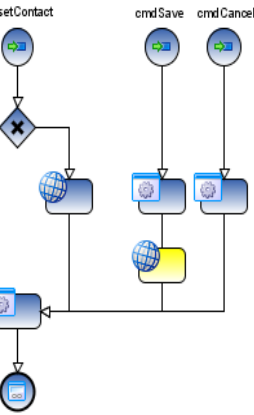


Plex
Panel
Function

WebClient
Servlet



Complex deep link – workflow and web services

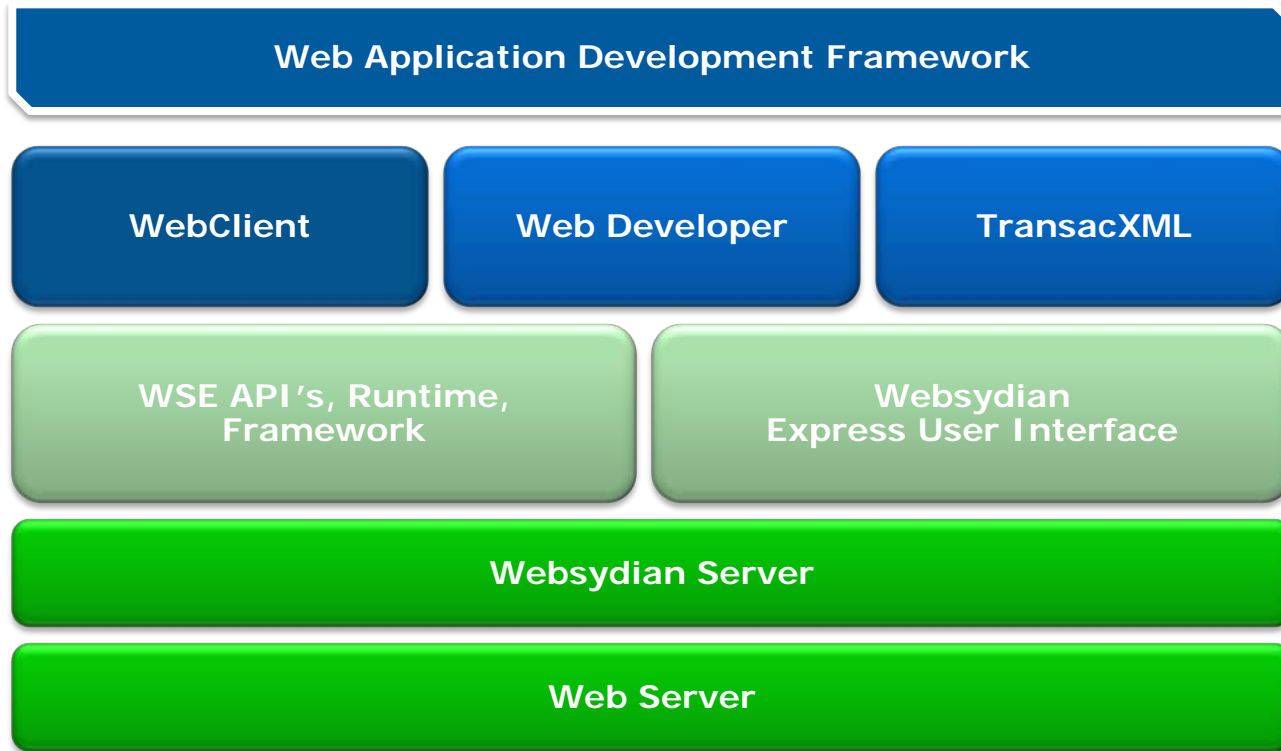


WebClient and 2E

- > WebClient does not work directly with 2E, but...
- > WebClient was developed around ADC Austin M3 Migrated 2E applications
- > 2E functions work "out of the box", no recoding required
- > WebClient maintains the state necessary for 2E applications to run as is, and solves common single sign-on and audit stamp requirements



Websyidian Product Integration



Integration

- Websyidian Server
- Interoperability
- Template format
- Web/WSE API's
- WSE Business Processes

Advantages

- Functionality
- Security
- Scalability



Live Demonstration

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Customer Use Cases

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Top Reasons to choose WebClient i+

- Fast web implementation of existing CA Plex functionality
 - Ease of deployment
 - Customer/Employee access
- Web 2.0 Integration
 - Charting/Graphing
 - Maps
- Enterprise Application Integration
 - Other Enterprise applications
 - WorkFlow / Business Process modeling
- **Modern Look and Feel**

Scenarios

> McLane Advanced Technologies

- USA Military ISV
- Extend market reach, modernize



> Medical Mutual

- Physician Insurance
- Ease of deployment, integration to dashboards (DB2 Web Query)



> Hapimag

- Leading travel club site, #1 in Europe
 - Web 2.0, speed of development, reliability
 - Enterprise Application Integration



Scenario – CM First

- > ISV in Switzerland, Change Management Tooling for Plex
 - MKS Connector
 - Matchpoint
- > Mature CA Plex model
 - 2300 Functions, 420 Panels
- > Multiple Variants, National Languages



Modernization Before and After

The image displays two screenshots of the MatchPoint Software Change Management web application, illustrating the modernization process.

Left Screenshot: MatchPoint - Software Change Management

The application is accessed via a Windows Internet Explorer browser at the URL http://192.168.1.40:8080/Matchpoint55web/webclient?WSYD_SIGN=&WSYD_EVENT=&WSYD_SID=&WSLNKREF=. The interface features a navigation bar with links for [CM First](#), [Logout](#), [Preferences](#), and [Help](#). The main content area is divided into six sections:

- Change Requests**: Represented by a red and blue double-headed arrow icon.
- Applications**: Represented by a blue cube icon.
- Configuration**: Represented by a grey gear icon.
- Projects**: Represented by a bar chart icon.
- Dashboard / Graphs**: Represented by a colorful pie chart icon.
- Quick Status Counts**: Represented by a clipboard icon.

The status bar at the bottom indicates "Internet | Protected Mode: On" and "100%" zoom.

Right Screenshot: Project Details

This screenshot shows a detailed view of a project entry. The browser address bar shows the URL http://192.168.1.40:8080/Matchpoint55web/webclient?WSYD_SIGN=&WSYD_EVENT=&WSYD_SID=&WSLNKREF=. The page title is "cm FIRST".

The main content area displays a table of projects with the following columns: **Projekt**, **Projektnummer**, **Projektname**, **Projektstart**, **Projektende**, **Projekt Beschreibung**, and **Projektaufwand ges intern**.

Projekt	Projektnummer	Projektname	Projektstart	Projektende	Projekt Beschreibung	Projektaufwand ges intern
1	P100-5	Project 100-5 - Websydan Intranet	2006-04-12	2006-04-30	Creation of an intranet for employees	4000.0
2	P100-5	Redesign Vertragsdatenbank fÄ¼r				

A modal form is displayed for editing project details, with fields for:

- Projektnummer
- Projektname
- Projekt Beschreibung
- Projektstart
- Projektende
- Projektaufwand geschätzt intern (0.0)
- Projektaufwand geschätzt extern (0.0)
- Projektstatus
- Kunde

The form includes a "Uebernehmen" button. The status bar at the bottom indicates "Internet | Protected Mode: On" and "100%" zoom.

Scenario – Endowment Trust Accounting

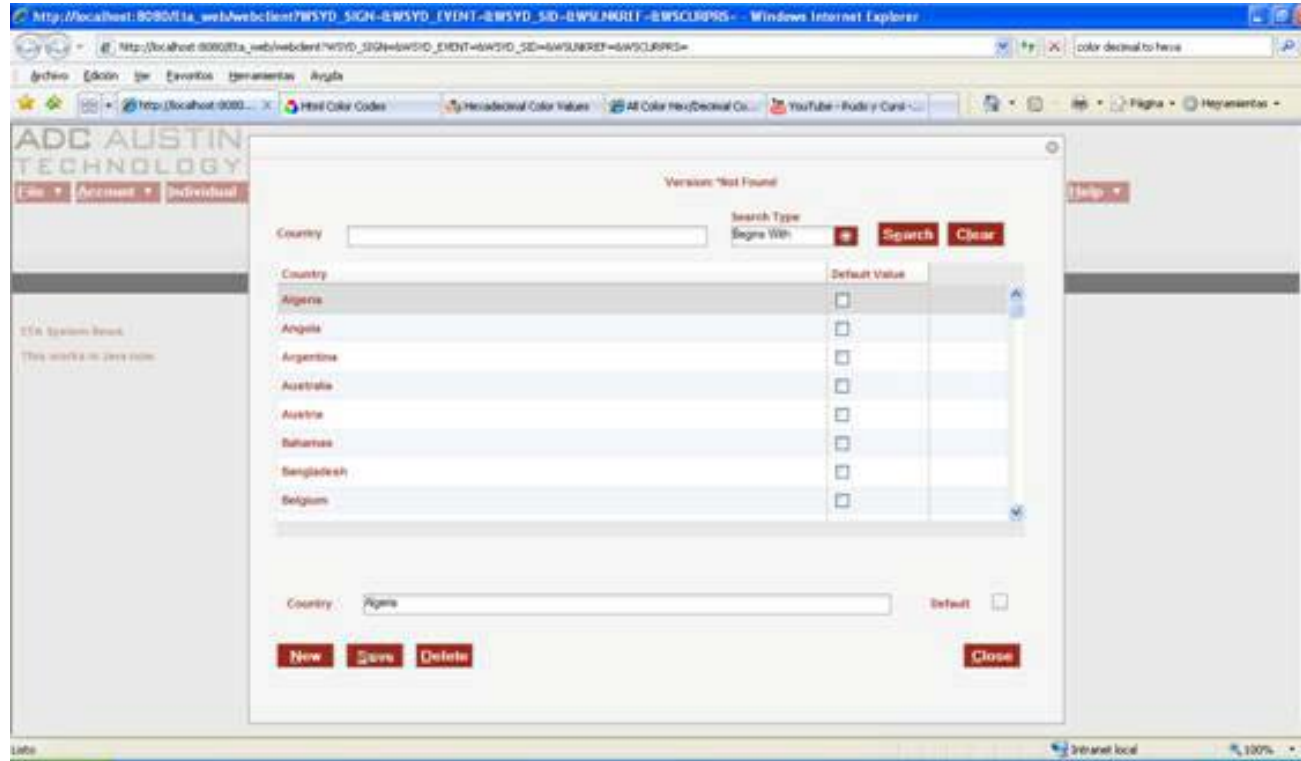
ETA II was developed



with Indiana University Foundation

- > Manage approximately 5000 individual accounts benefiting over 200 unique departments on 8 campuses
- > Currently manage invested assets of over 1.4 Billion Dollars
- > Database contains over 10 million transactions

Modernization Results





Roadmap and Wrapup

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Road Map

- > 1.4 SP1 Released
January 2009
 - Build 1.4.14 available now
- > With current release, focus on usability and documentation
- > Web Services/ Workflow Cookbook in progress

> Release 2.0

- Support for CA Plex 6.1
- Support for latest Websyidian version
- Additional Ajax components
- Full cross browser testing

Summary – Fast and Powerful Web Development Option for CA Plex

> For developers

- Short learning curve
- Reuse of existing skills
- Reuse of existing code
- Your Plex skills take you further

> For the business

- Rich, appealing web sites, integration
- Time saved
- Money saved

Questions

- <http://adcaustintech.com>
 - Product Information
- <http://webclientiplus.com>
 - Technical documentation, tips, blog, news, videos, software