

# CA 2E Modernization To Java/Ajax Using CA Plex

Overview & Demonstration

# A **Multitude** of Ways to Modernize



But *few*  
**RIGHT WAYS**

# ADC's M3

## Model-based Migration Methodology

The screenshot displays a multi-windowed application environment. On the left is a terminal window titled "Session A - [24 x 80]" showing a command-line interface for "ITPLUI06 CORP Warehouse Area". It lists "Type options" and "5=Details", followed by a "Sell by Date" list with dates: 2/09/08, 2/09/08, 2/09/08, 6/02/08, and 6/02/08. At the bottom, it shows "F3=Close, F4=> Implies" and "M3 a".

In the center is a window titled "MAT Logistics (Windows/iSeries) - [ITPLUI06 - List Item Pallet]". It shows a "Distribution Center" set to "CORP" and a table with columns "W-Date", "LT", "Current", and "Flag".

On the right is an Internet Explorer browser window titled "WHSEGU1P - Edit Warehouse - - Internet Explorer provided by Dell". The address bar shows "http://app2.adcaustin.com/MDSwebDev/webclient" and the search bar contains "dojo ajax". The browser displays a web application with a navigation menu (Logistics, Process, Labor, Orders, Transportation, Purchasing) and a main content area titled "CORP > WHSEGU1P - Edit Warehouse -".

The web application includes a form with "Warehouse 0" and "Description" fields, and an "Available for Orders" dropdown menu set to "Available". A "+ Add" button is present. Below the form is a table listing warehouse information:

Warehouse Number	Description	Available for Orders
1	Central Warehouse 1	Available
2	Secondary Warehouse	Available
3	Freezer Warehouse	Not Available
4	Refrigerator Warehouse	Available
10	Off Site Warehouse	Available
18	Off Site Warehouse	Available

The browser window also shows a "Close" button at the bottom right and a status bar at the bottom with "Done", "Internet | Protected Mode: Off", and "100%".

# The **Right** Way

Know before you buy

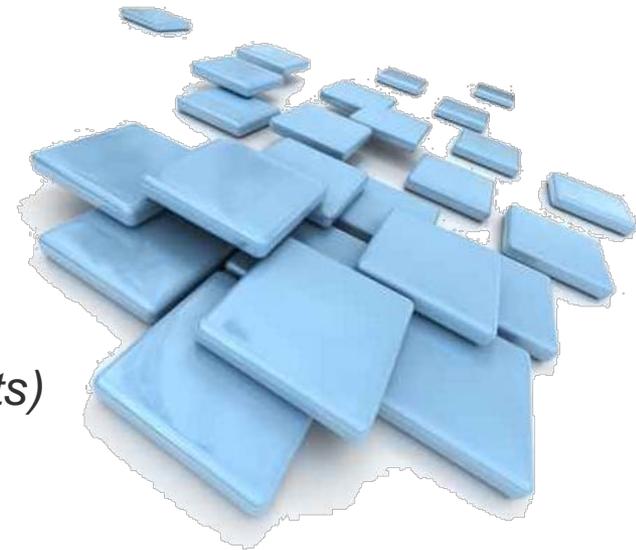
- **Effective modernization requires:**
  - High levels of automation, approach 100%
  - maintainability by existing staff
  - web applications and SOA out of the box
- **Few get it right**
- **ADC does**
  - M3 methodology



# The M3 Way

Automated modernization with refactoring

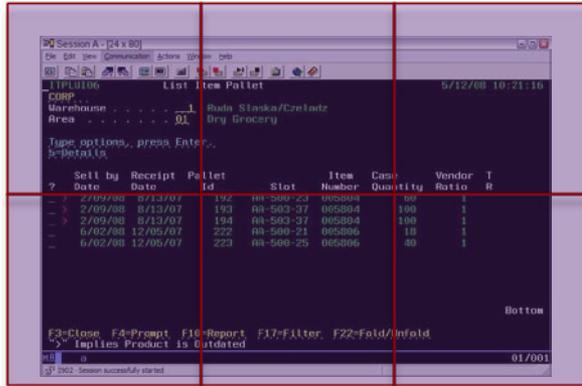
- **More than a tool – an entire methodology**
  - fast & maintainable
  - +multiplatform, +web, +SOA
- **Avoid costly risks:**
  - web facing / screen scraping (*dual environments*)
  - manual migration (*uneven quality, cost*)
  - syntax translators (*maintainability, “JOBOL”, runtimes*)
  - packages (*acquisition & customization expense*)



# M3 Process

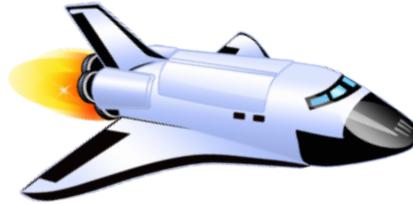
XML based design migration

## Original 5250



Sell by Date	Receipt Date	Pallet Id	Slot	Item Number	Case Quantity	Vendor Ratio	T
2/09/00	8/13/07	192	00-500-23	065004	100	1	
2/09/00	8/13/07	193	00-500-37	065004	100	1	
2/09/00	8/13/07	194	00-500-37	065004	100	1	
6/02/00	12/05/07	222	00-500-21	065006	10	1	
6/02/00	12/05/07	223	00-500-25	065006	90	1	

Migration  
(Discovery & XMLize)



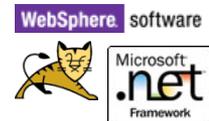
- CA 2E (Synon) models & generated applications
- Native:
  - RPG
  - COBOL
  - CL/i5/OS artifacts

- Native code modernization
- Worksoft Certify regression testing

## New Environment (SOA & Web)



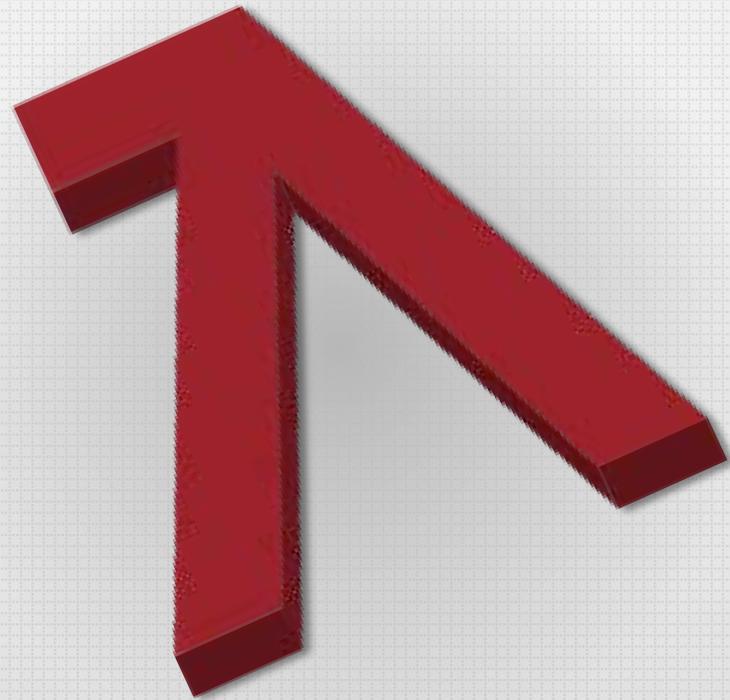
IBM System i™



Microsoft  
SQL Server

IBM DB2

ORACLE®



**ADC** AUSTIN  
THE ADVANCED DEVELOPMENT CENTER

## Demonstration

# Summary

More than modernization

- **Refactoring = business advantage**
  - new business logic
  - SOA / open access
- **New development process**
  - no screen scraping
  - no syntax translation
- **New application capabilities**
  - user-friendly features (tabs, wizards, portals, etc.)





# M3 Site

Click image to view

