



IBM WebSphere Portlet Factory Application Builder Technology Preview

Browser-based application development tooling for non-developers



Topics

- Business and technology challenges
- Key value propositions
- Key features of Application Builder
- Installation and requirements



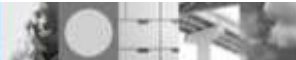
Business and technology challenges

- Business users operate in fast-moving and competitive environments that demand immediate and dynamic business responses
- Requests for new applications can go unfulfilled as IT organizations are already overburdened
- End users may use departmental resources to create applications to address demands independently of the IT organization, bypassing established technology standards



Key value propositions

- Improves business agility for exploiting and countering emerging opportunities and threats
- Helps address IT organization resource constraints by extending application creation capabilities to business users
 - ▶ *End users can build certain classes of applications without IT involvement, leaving IT more time for other tasks*
- Provides a smooth path to move applications from departmental to enterprise usage



Key features of Application Builder (details on following slides)

- Build common application patterns
 - ▶ Create nice-looking list/view/update and multi-page data entry portlets using database lists for storage
- Build custom applications entirely from browser, using simple wizards
 - ▶ Work entirely within Portal user interface
- Create database lists from spreadsheets or using application templates
 - ▶ Use templates such as contacts or task lists, then customize to meet specific needs
- Generate applications with a rich user interface
 - ▶ Automatically use Dojo, validation, events, “person” card, etc.
- Use Portlet Factory tools for additional customization
- Extend the available templates and wizards using Portlet Factory tools

Key features: build common application patterns

- Build and deploy nice-looking list/view/update and multi-page data entry applications using database lists for storage

The image displays three overlapping screenshots of the IBM WebSphere Portal 'Sales Opportunities' application, demonstrating different views and data entry capabilities.

Leftmost Screenshot: Sales Opportunities Form

This view shows the 'Sales Opportunities Form' with the following fields and options:

- Opportunity Info**: Enter your best estimates.
- Customer**: Provide the company or organization for this sales opportunity.
- Sales Rep**: The primary sales representative.
- New Existing**: Indicate if this is a new or existing account. Options: New Account, Existing Account.
- Opportunity Size**: Provide your best current estimate of the opportunity for this quarter.

Middle Screenshot: Sales Opportunities List View

This view shows a list of sales opportunities with the following table:

Customer	Sales Rep	New Existing	State	Zip
Jones Financials	Brian Smith	New Account	New York	12546
Super Fit	Brittany Johnson	Existing Account	Florida	33830
Central Bank	Brian Smith	Existing Account	New Hampshire	03301
Home Retailer Inc.	Brian Smith	New Account	Rhode Island	02904
Westward Insurance	Jarred Jackson	Existing Account	Florida	33810

Navigation: Page 1 | 2 | 3 | 4 | Previous | Next. Show: 5 | 10 | 20 | 50 | 100 | All items. Jump to page 1 of 4. Previous | Next. Add Record button.

Rightmost Screenshot: Q4 Sales Opportunities Form

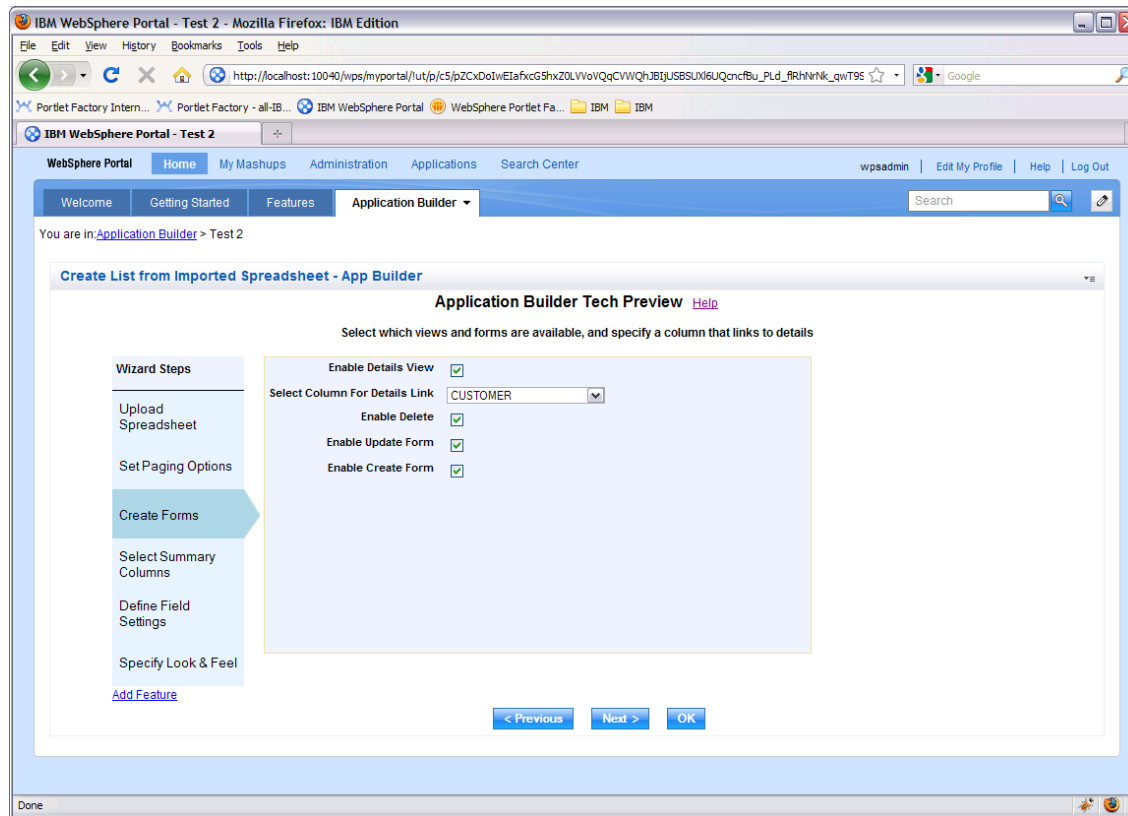
This view shows a detailed form for 'Q4 Sales Opportunities' with the following fields and options:

- Customer**: Super Fit
- Sales Rep**: Brittany Johnson
- New Existing**: New Account, Existing Account
- Email**: bjohns@acme.com
- Opportunity Size**: 75,000.00
- Address**: 915 Highland St
- City**: Bartow
- State**: Florida
- Zip**: 33830
- Last Contacted Date**: 8/23/2008
- Comments**: This customer is very motivated to act soon. Next steps:
 - Rep will provide demo
 - Follow up in 2 weeks

Buttons: Cancel, Submit.

Key features: build entirely from browser using simple wizards

- To create a new portlet, simply add an application template to a Portal page, then step through an intuitive wizard
- Instantly preview or run the application, and return to the wizard as often as you want to make additional changes



Key features: create database lists from spreadsheets or using application templates

- Database lists can be created in three ways:
 - Automatically create and populate a database list from a spreadsheet
 - Select from common application types such as Contacts or Task List, then add/modify fields as needed
 - Create new lists from scratch, by specifying the desired fields

The left screenshot shows the 'Create List from Imported Spreadsheet - App Builder' wizard. The 'Upload Spreadsheet' step is active, showing a 'Select spreadsheet file to upload:' field with a 'Browse...' button and an 'Upload File' button. Below the field, it says 'Database list 'opportunities' successfully created and populated.'

The right screenshot shows the 'Define Field Settings' step. It displays a table of fields with the following columns: Name, Label, Type, Required, Visibility, and Lookup.

Name	Label	Type	Required	Visibility	Lookup
ROW_ID	Row Id	Integer	<input checked="" type="checkbox"/>	hide	<input checked="" type="checkbox"/>
CUSTOMER	Customer	Text	<input checked="" type="checkbox"/>	show	<input checked="" type="checkbox"/>
SALES_REP	Sales Rep	Live Name (full name)	<input checked="" type="checkbox"/>	show	<input checked="" type="checkbox"/>
NEW_EXISTING	New Existing	Radio Buttons Horiz	<input type="checkbox"/>	show	New Or Existing
EMAIL	Email	Email	<input checked="" type="checkbox"/>	show	<input checked="" type="checkbox"/>
OPPORTUNITY_SIZE	Opportunity Size	Currency	<input checked="" type="checkbox"/>	show	<input checked="" type="checkbox"/>
ADDRESS	Address	Text	<input checked="" type="checkbox"/>	show	<input checked="" type="checkbox"/>
CITY	City	Text	<input checked="" type="checkbox"/>	show	<input checked="" type="checkbox"/>
STATE	State	US State	<input type="checkbox"/>	show	<input checked="" type="checkbox"/>
ZIP	Zip	Zip Code	<input checked="" type="checkbox"/>	show	<input checked="" type="checkbox"/>
LAST_CONTACTED_DATE	Last Contacted Date	Date	<input type="checkbox"/>	show	<input checked="" type="checkbox"/>
COMMENTS	Comments	Rich Text	<input type="checkbox"/>	show	<input checked="" type="checkbox"/>

Key features: generate applications with a rich user interface

IBM WebSphere Portal - Test 2 - Mozilla Firefox: IBM Edition

File Edit View History Bookmarks Tools Help

http://localhost:10040/wps/myportal/!ut/p/c5/pZDLboMwEEU_yQMYS

Portlet Factory Intern... Portlet Factory - all-IB... IBM WebSphere Portal WebSphere Portlet Fa... IBM IBM

IBM WebSphere Portal - Test 2

WebSphere Portal Home My Mashups Administration Applications Search Center wpsadmin

Welcome Getting Started Features Application Builder

You are in: [Application Builder](#) > Test 2

Q4 Sales Opportunities

Customer * Super Fit

Sales Rep * Brittany Johnson

New Existing New Account Existing Account

Email bjohns@acme.com

Opportunity Size * 75,000.00

Address 915 Highland St

City Bartow

State Florida

Zip 33830

Last Contacted Date 8/23/2008

Comments

This customer is very motivated to act soon.
Next steps:

- Rep will provide demo
- Follow up in 2 weeks

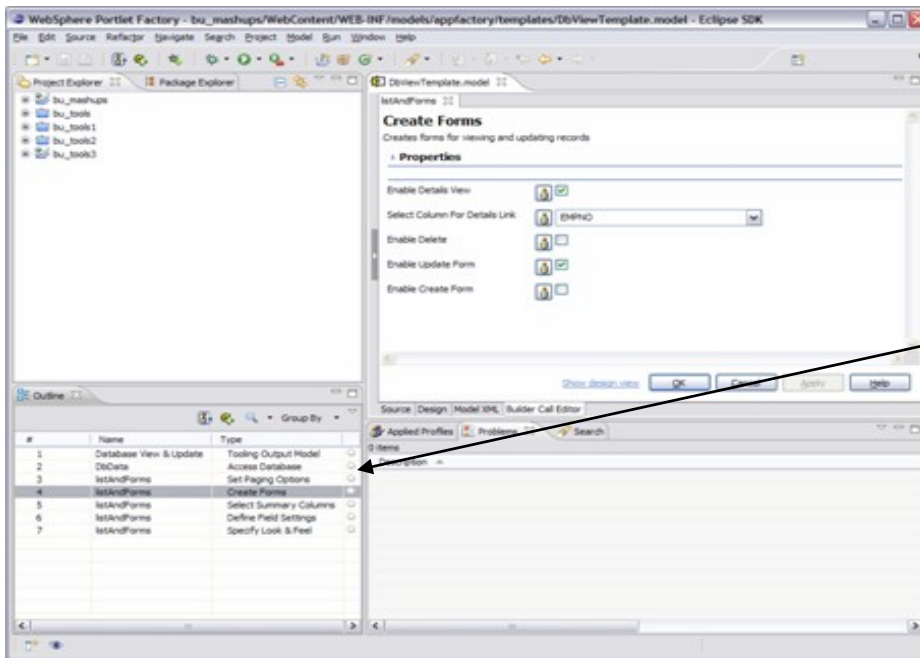
Cancel Submit

http://localhost:10040/wps/myportal/!ut/p/c5/pZFnb4JAEIz_UTMjLGPCwK7yiddZbkYIhsrUTHWYvTXF_XgSTx05vjkMxkzAyX0va-6zbo6bdp...

- Automatically leverage Dojo and rich UI features from Portlet Factory
- Applications support:
 - ▶ Dojo widgets
 - ▶ Validation
 - ▶ Client-side events
 - ▶ Live text (e.g., people card appears for a name/person)
- Choose from a variety of out-of-the-box styles

Key features: use Portlet Factory tools for additional customization*

- ▶ Generated code is a Portlet Factory model that can be easily modified in Portlet Factory IDE, using the full range of Portlet Factory tools
- ▶ When an application becomes more widely used and critical to the enterprise, it can be moved into the hands of IT for complete customization



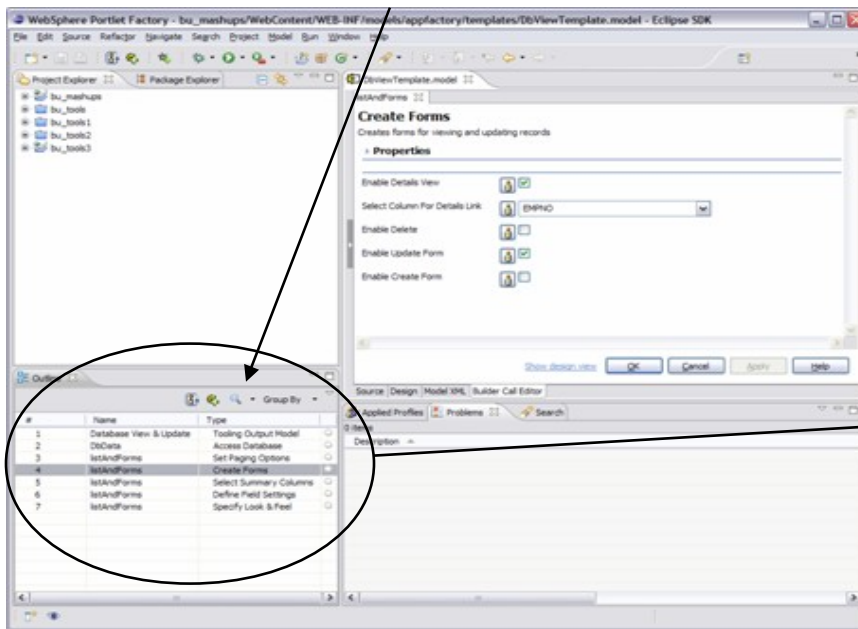
After walking through a wizard, underneath the covers, a simple Portlet Factory model is created

*** Note: For this technology preview release, this capability is only available internally for IBM users**

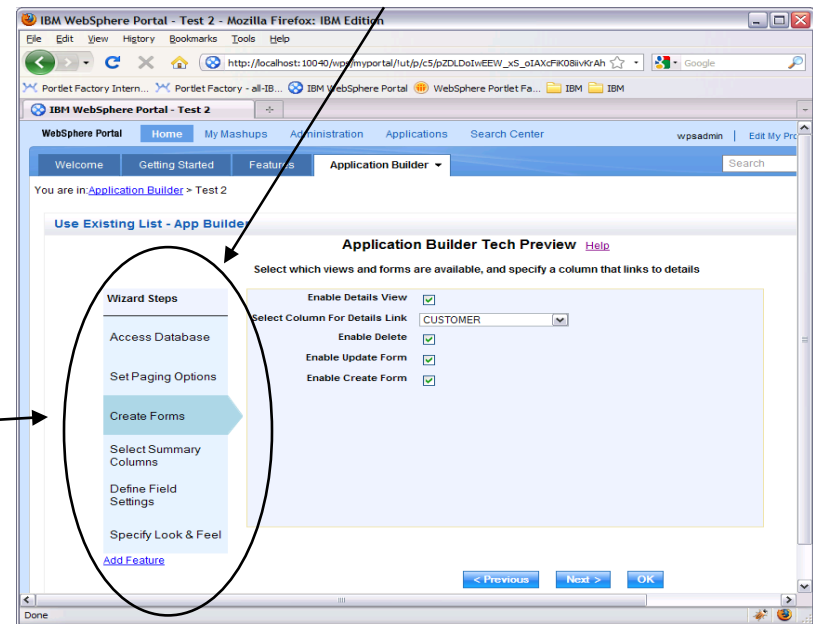
Key features: extend the available templates and wizards using Portlet Factory tools*

- New templates can be easily created using Portlet Factory tools
- Each template consists of a Portlet Factory model
- Any Portlet Factory builders can be used to create new templates

Builders in Portlet Factory IDE



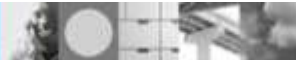
Wizard steps in browser tool



*** Note: For this technology preview release, this capability is only available internally for IBM users**

Installation and requirements

- Application Builder can be installed on WebSphere Portal version 6.1.5 or 6.1.0.3
 - ▶ Other versions of Portal may work but have not been tested
- Simply download a single WAR and install using Portal Administration tools
- Application Builder will automatically generate a Derby data source and data tables for list storage
 - ▶ No special database requirement or setup is necessary



For more information

- IBM WebSphere Portlet Factory Application Builder Technology Preview documentation and download:

http://www-10.lotus.com/ldd/pfwiki.nsf/dx/IBM_WebSphere_Portlet_Factory_Application_Builder_Technical_Preview

- For general Portlet Factory information:

<http://www-10.lotus.com/ldd/pfwiki.nsf>

