



WebSmart

Sviluppo rapido di applicazioni Web & Mobile per IBM i

Presentazione PPTX

FRESCHÉ



About Fresche

**Il potere dei tools automatici
e dell'esperienza
professionale.**

Fresche fornisce soluzioni innovative, offrendo ai propri clienti le soluzioni migliori e più solide per aiutarli nella trasformazione e nella crescita.



Esperti in IBM i Application Modernization & Management Solutions

**GUI, Web &
Mobile**



**Analysis &
Productivity**



**Reporting &
Document Distribution**



**Code & Database
Modernization**



**IT Strategy
Services**



**Application
Services & Staffing**



Agenda

- IBM i Web Applications
- WebSmart Overview
- Cosa riusciamo a fare
- Sviluppo rapido con WebSmart
- Come i servizi di Fresche possono aiutarti



distributore esclusivo in Italia

FRESCHE SOLUTIONS

27

FRESCHÉ

30+

ANNI DI ESPERIENZA IN
IBM i



400+

MODERNIZZAZIONI DI
SUCCESSO



350+

DIPENDENTI



27

TOOLS PER AUTOMATIZZARE
LA MODERNIZZAZIONE



8

UFFICI IN TUTTO IL MONDO



200+

STRATEGIE &
PIANIFICAZIONE



200

PARTNERS



22.000

I CLIENTI



40+

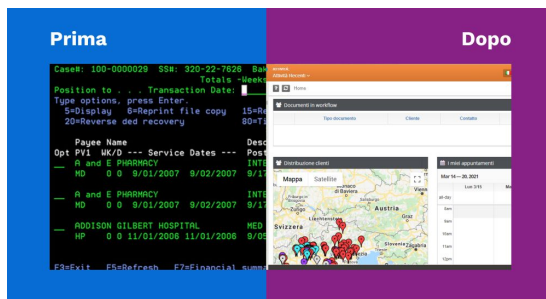
ANNI DI SVILUPPO
DELL'AUTOMAZIONE



FRESCHÉ
SOLUTIONS

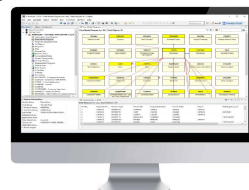
Presto

Green screen to web & mobile modernization



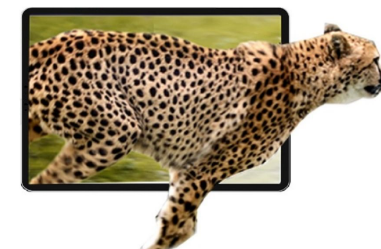
X-Analysis

analysis & documentation



WebSmart

web e mobile application development



secure web & mobile portal

bigblue[®] miura
bigblue[®] diablo

web & mobile reporting



Clover
bigblue[®] QueryCube

Security & log registration

bigblue[®] security

Direct print
Laser & thermal printer
Document management



bigblue[®] Print & DOC

Le principali motivazioni per avere Web Applications su IBM i

- Aumenta le vendite e incrementa la tua competitività
- Fornisci un accesso a clienti e partner
- Mobile
- Aumenta workflows e la produttività
- Integrazione
- Valorizza i programmatori IBM i



Qualsiasi tipo di Web Application



Strategic Web
Applications



Mobile

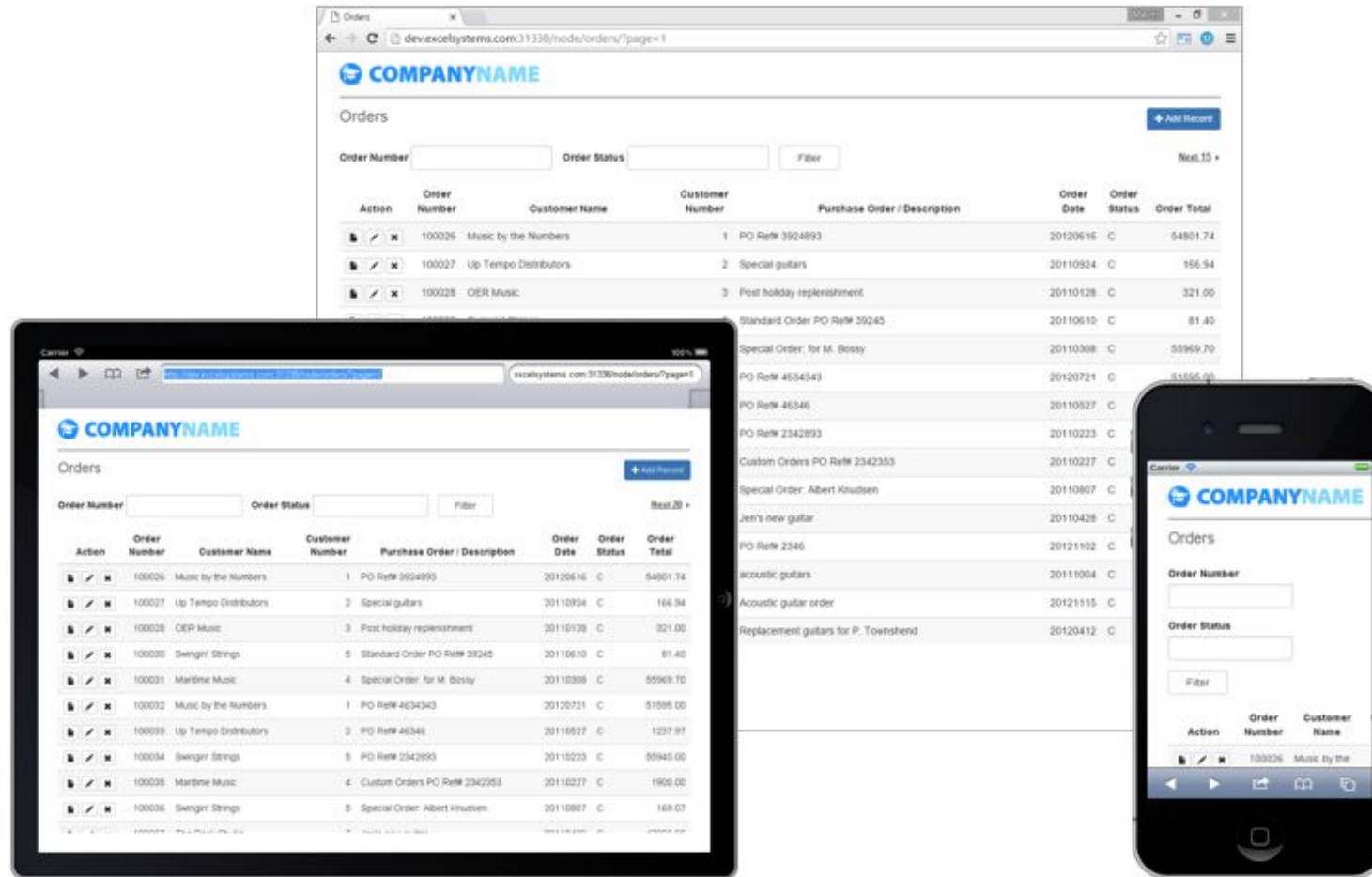


APIs & Web
Services



Dashboards
and Portals

I Templates di WebSmart Templates riducono la curva di apprendimento

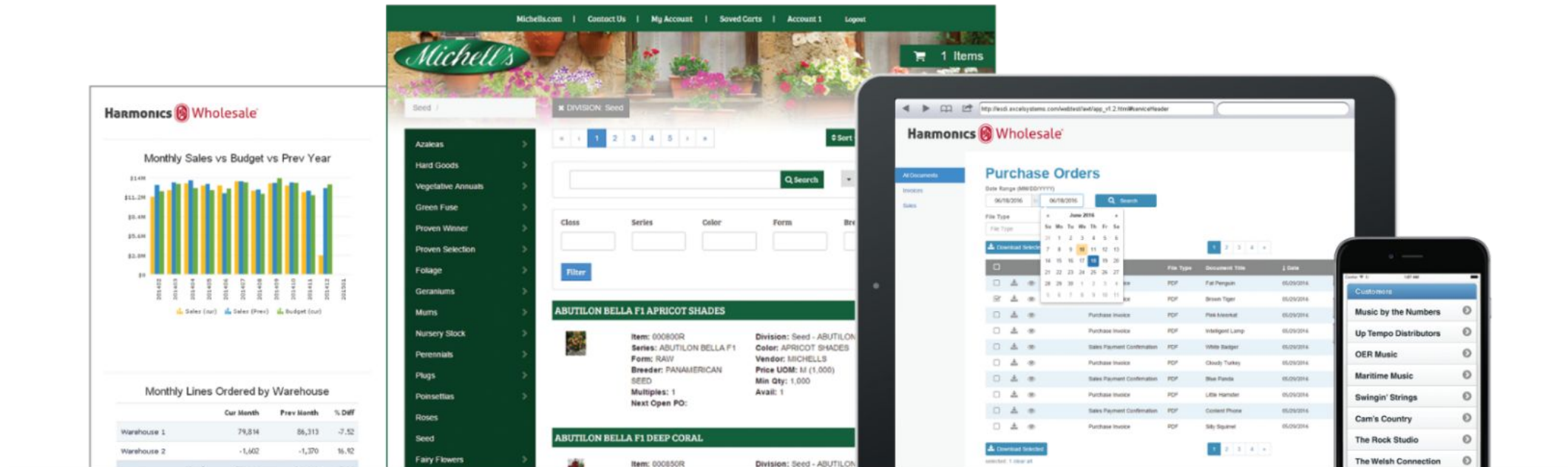


Crea applicazioni Responsive Web e Mobile in pochi minuti

WebSmart Benefits

- Applicazioni web strategiche
- Vedi i risultati in pochi minuti
- Riduci la curva di apprendimento dello sviluppo web
- Attrai nuovi sviluppatori

Qualsiasi tipo di Web Application per adattarsi alle necessità del business



Sviluppa qualsiasi tipo di
applicazione Web & mobile

Application for your Digital
Transformation

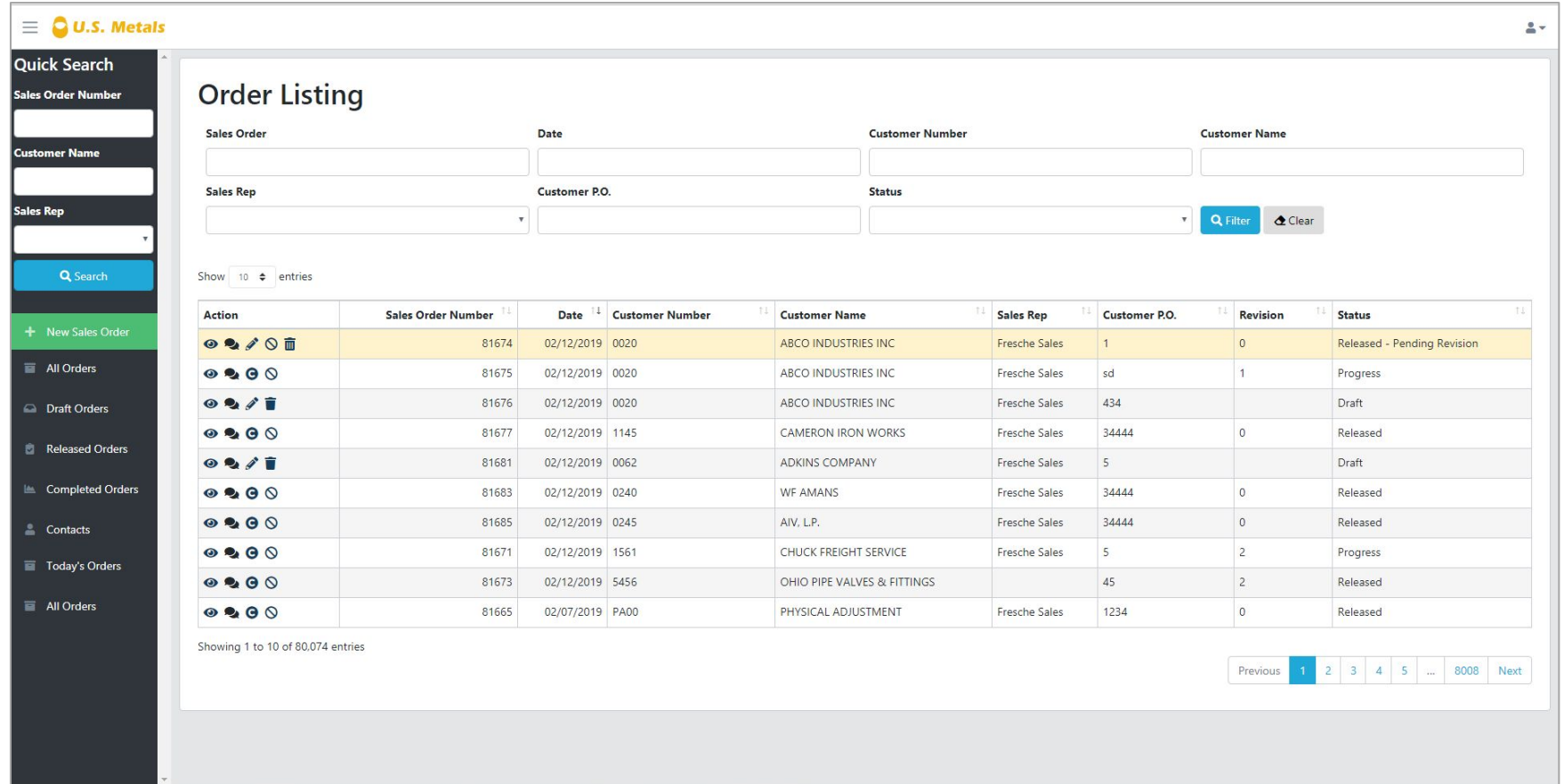


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Applicazioni per ordini e vendite **U.S. Metals**

- Interfaccia web intuitiva
- Mobile friendly
- Facile da modificare
- Soddisfa le esigenze aziendali
- APIs



The screenshot displays the U.S. Metals web application interface. On the left is a dark sidebar with navigation options: Quick Search, New Sales Order, All Orders, Draft Orders, Released Orders, Completed Orders, Contacts, Today's Orders, and All Orders. The main content area is titled "Order Listing" and features a search filter section with fields for Sales Order, Date, Customer Number, Customer Name, Sales Rep, Customer P.O., and Status. Below the filters is a table listing orders with columns for Action, Sales Order Number, Date, Customer Number, Customer Name, Sales Rep, Customer P.O., Revision, and Status. The table shows 10 entries, with the first entry highlighted in yellow. At the bottom of the table, it indicates "Showing 1 to 10 of 80,074 entries" and includes a pagination control with "Previous", "1", "2", "3", "4", "5", "...", "8008", and "Next".

Action	Sales Order Number	Date	Customer Number	Customer Name	Sales Rep	Customer P.O.	Revision	Status
  	81674	02/12/2019	0020	ABCO INDUSTRIES INC	Fresche Sales	1	0	Released - Pending Revision
  	81675	02/12/2019	0020	ABCO INDUSTRIES INC	Fresche Sales	sd	1	Progress
  	81676	02/12/2019	0020	ABCO INDUSTRIES INC	Fresche Sales	434		Draft
  	81677	02/12/2019	1145	CAMERON IRON WORKS	Fresche Sales	34444	0	Released
  	81681	02/12/2019	0062	ADKINS COMPANY	Fresche Sales	5		Draft
  	81683	02/12/2019	0240	WF AMANS	Fresche Sales	34444	0	Released
  	81685	02/12/2019	0245	AIV. L.P.	Fresche Sales	34444	0	Released
  	81671	02/12/2019	1561	CHUCK FREIGHT SERVICE	Fresche Sales	5	2	Progress
  	81673	02/12/2019	5456	OHIO PIPE VALVES & FITTINGS		45	2	Released
  	81665	02/07/2019	PA00	PHYSICAL ADJUSTMENT	Fresche Sales	1234	0	Released

US Metals

U.S. Metals

Quick Search

Sales Order Number

Customer Name

Sales Rep

Search

New Sales Order

All Orders

Draft Orders

Released Orders

Completed Orders

Contacts

Today's Orders

All Orders

Sales Order # 81687

Comments

Status: Entered

Revision: 0

Order Date: 02/28/2019

Order Priority: Normal

Order Region: Domestic

Order Currency: United States Dollar

Sales Rep: A - Fresche Sales

Customer Details

Shipping Details

Customer Number:

0020

Customer Name:

ABCO INDUSTRIES INC

Customer PO Number:

23454

Attention To:

Chelsea

Phone:

(222) 222-2222

Email:

chelsea.fenton@freschesolutions.com

Sold to Address:

PO BOX 268
ABILENE TX
79604

Tag:

MTRS-COC:

Terms:

NET 30

INCO Terms:

FFA

Ship Method:

AIR FREIGHT

Other:

Shipping Address:

2675 EAST HIGHWAY 80
ABILENE TX
79601

Sales Order Items

Purchase Orders

Attachments

Release Selected

Create RMA

	Action	Line Item	Part Number	UOM	Quantity	Resale/Unit	Shipping Date	Description	Vendor	Vendor Name	Vendor Quantity	Vendor Cost/Unit
		1	51074	EA	1	12.00	02/26/2019	1 XH TP310-S A/SA312			0	.00
		2	72110	EA	1	233.00	02/26/2019	1 x 1/2 XH BEV x PLAIN A/SA403 WP316L-S CONCENTRI...	0430	B & B HEAT TREATING INC.	1	1.00
									0001	INVENTORY ADJUSTMENT	2	2.00
		3	48705	EA	2	23.00	02/26/2019	18 x 14 S/120 A/SA234 WP11 CL1 CONCENTRIC REDUCER...	0430	B & B HEAT TREATING INC.	3	3.00
		4	23843	EA	2	23.00	02/26/2019	6 300# ASA WN FLANGE RF 125-250 Ra .320 MW A/SA18...	0430	B & B HEAT TREATING INC.	2	2.00

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US Metals

US Metals

Quick Search

Sales Order Number

Customer Name

Sales Representative

New Sales Order

All Orders

Draft Orders

Released Orders

Completed Orders

Contacts

Today's Orders

All Orders

Import from CSV

items.csv

Browse

Upload File

Download CSV Template

Show 10 entries

Search:

Errors	Item Number	Part Number	UOM	Qty 1 (eg feet)	Qty 2 (eg inches)	Resale/Unit	Ship Date	Part Description	Tags	Required Testing	Internal Comments	Customer Comments
	2	14338	EA	1		1.32	01/01/2019	3 600# RF, FLGD A351 CF8M SWING CHECK,BOLTED COVER,TRIM #12		Test		

Showing 1 to 1 of 1 entries

Previous 1 Next

Close Save Items

Tags:

Required Testing:

Internal Comments:

Customer Comments:

The item has been successfully added

Clear Add Item

Action	Line Item	Part Number	UOM	Quantity	Resale/Unit	Description
	1	51074	EA	1	12.00	1 XH TP310-S A/SA312

Showing 1 to 1 of 1 entries

Return to List < Step 1 Vendor Association

**un video di alcuni min ci spiega la
semplicità di creare applicazioni mobile
con Websmart
clicca qui** 



come sviluppare applicazioni web e mobile su IBMi
AS400 100 volte più velocemente rispetto RPG

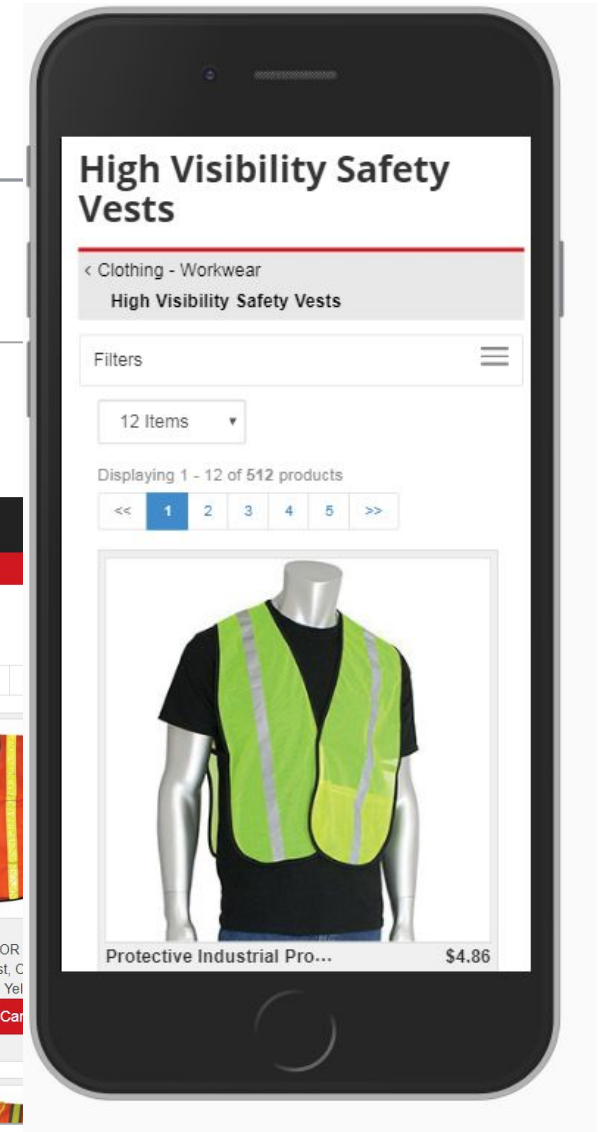
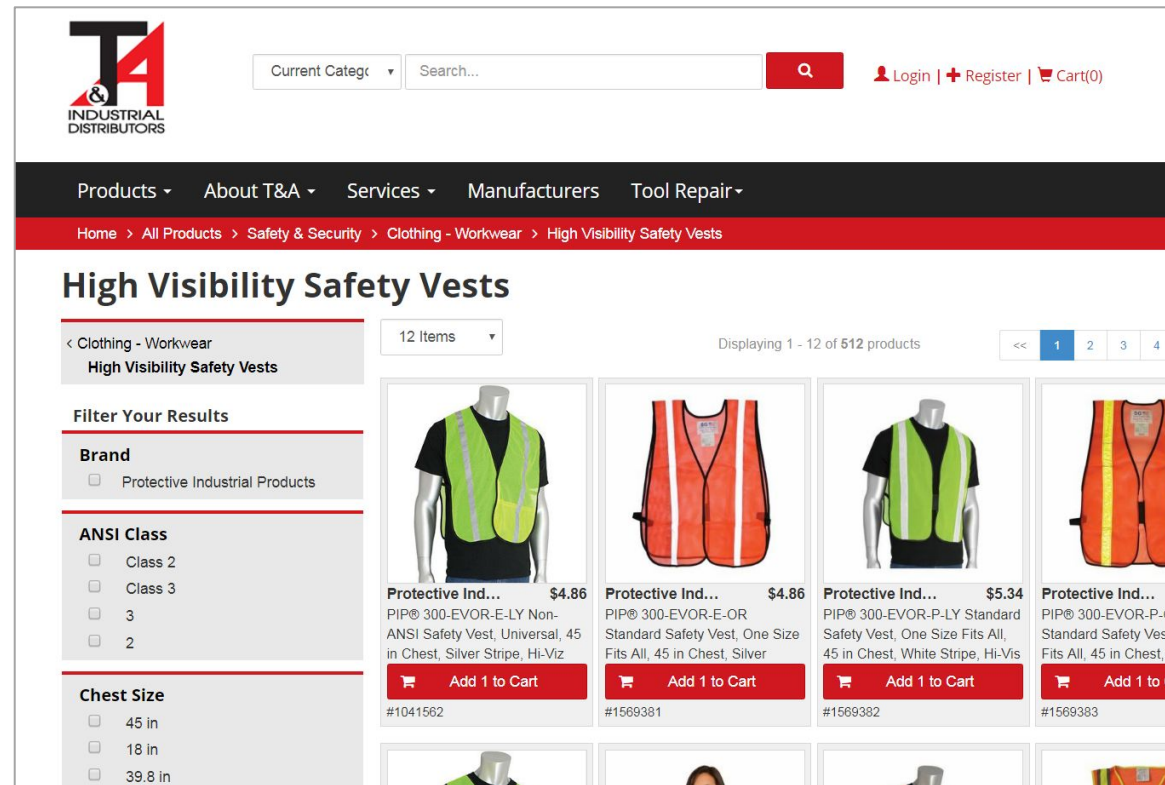
BETA
GROUP



**Come realizzare applicazioni web e mobile con
accesso veloce a DB2 di AS400 on line ~~ODBC~~**

Aumenta i profitti e la competitività

- B2B o B2C
eCommerce
- Integrato con
IBM i ERP
- Competi con
Amazon



MedAxiom

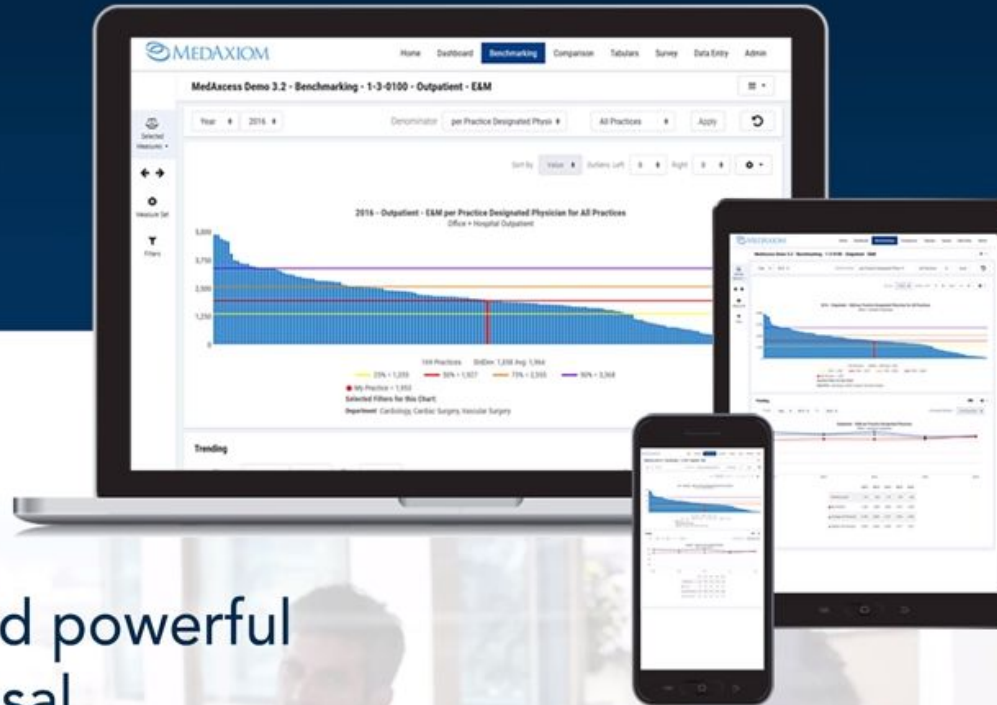


MedAxxess 3.0

Easier, faster, better access to the data that matters most.

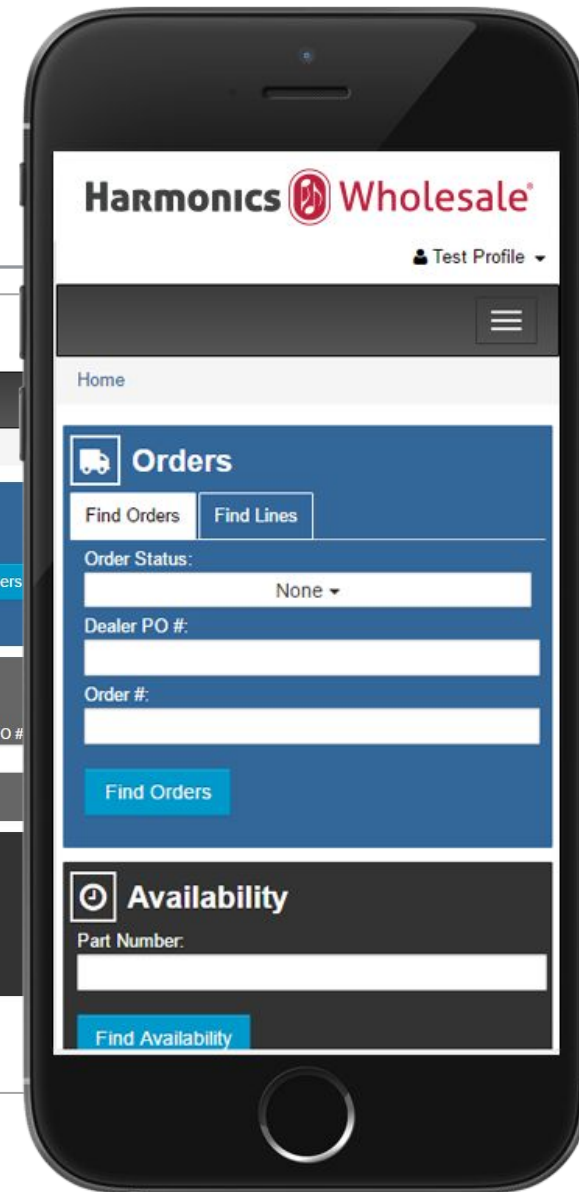
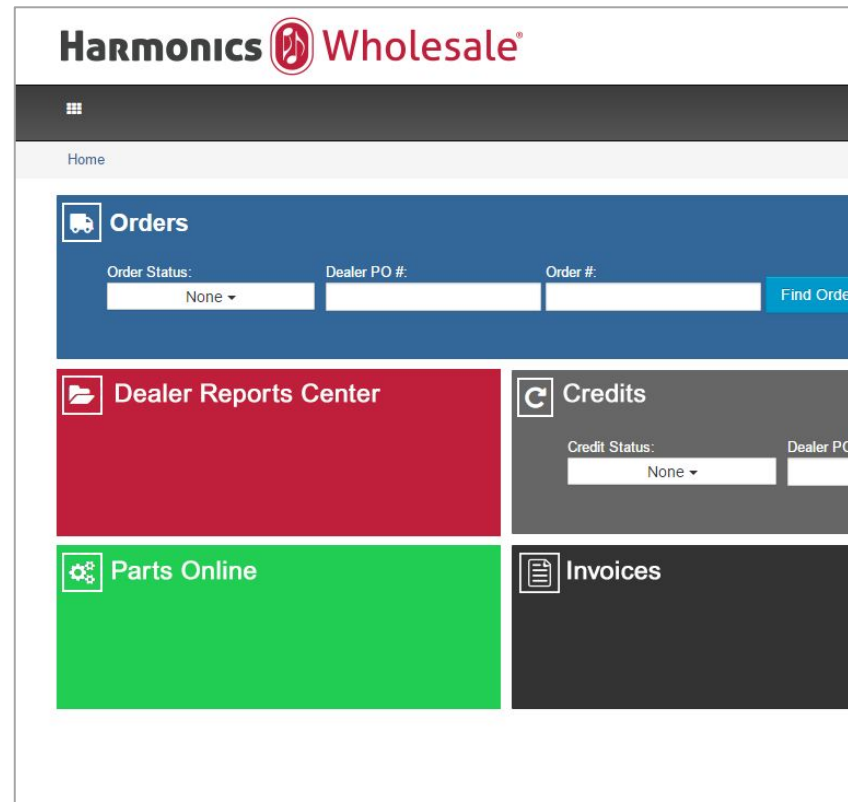
- Exclusive MedAxiom membership benefit
- One of the most valuable and powerful tools you have at your disposal
- Coming soon: more details + deep-dive webinars

Click image to view 3 minute video



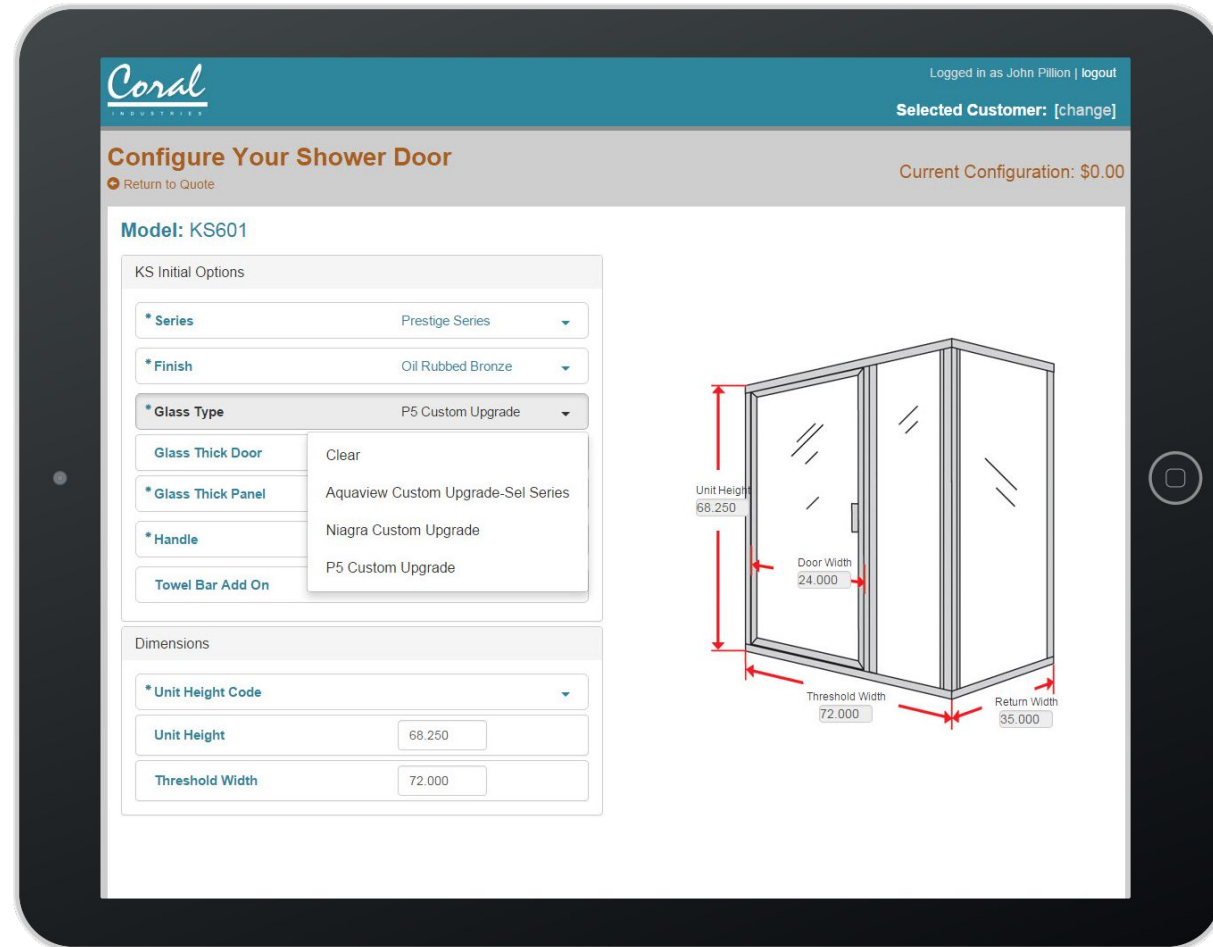
Aumenta la produttività e il Workflows

- Migliore user experience
- Riduci i costi di formazione
- Migliora i servizi per i clienti implementando applicazioni di self-serve

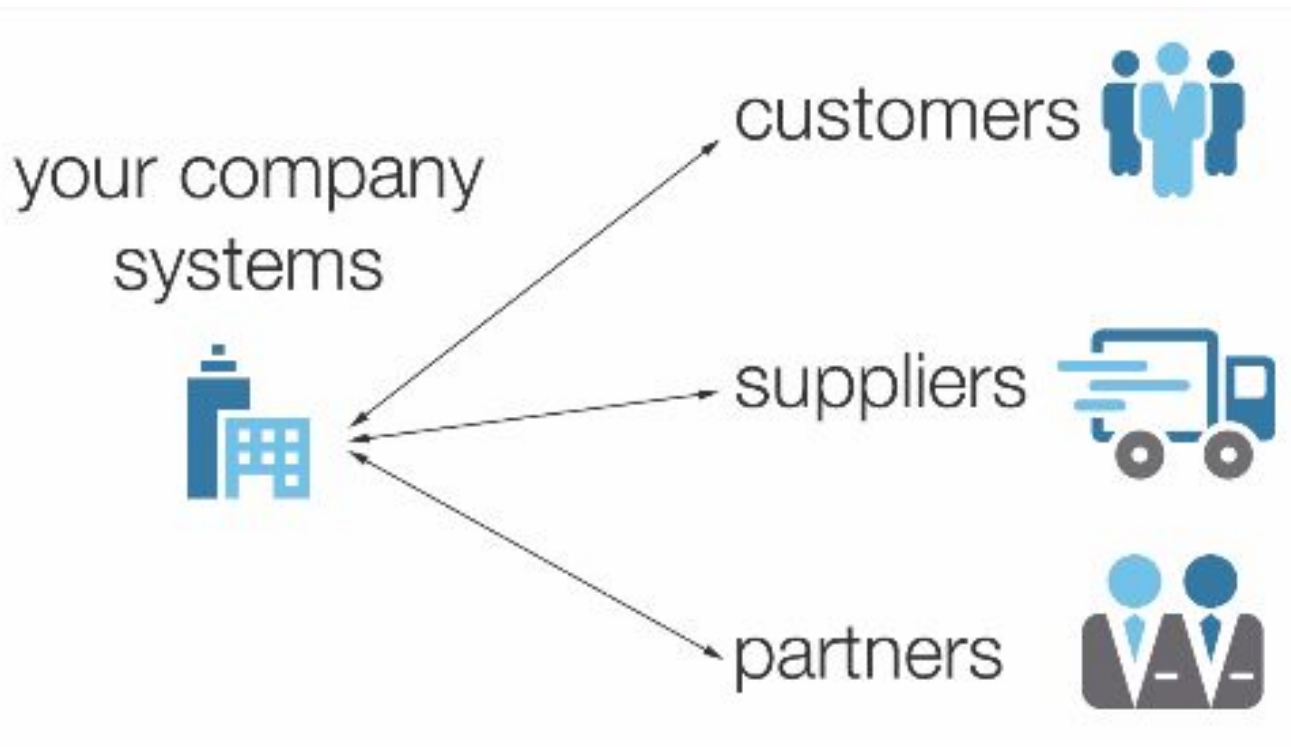


Mobile Web Apps per accedere ovunque, in qualsiasi momento

- Migliora il workflows
- Sostituisci la carta e penna
- Abilita l'accesso e nuovi canali



APIs & Web Services



Integrazione con altri sistemi

Rendi agili le applicazioni

Rinnova, dando più valore alla tua azienda

Watson e AI

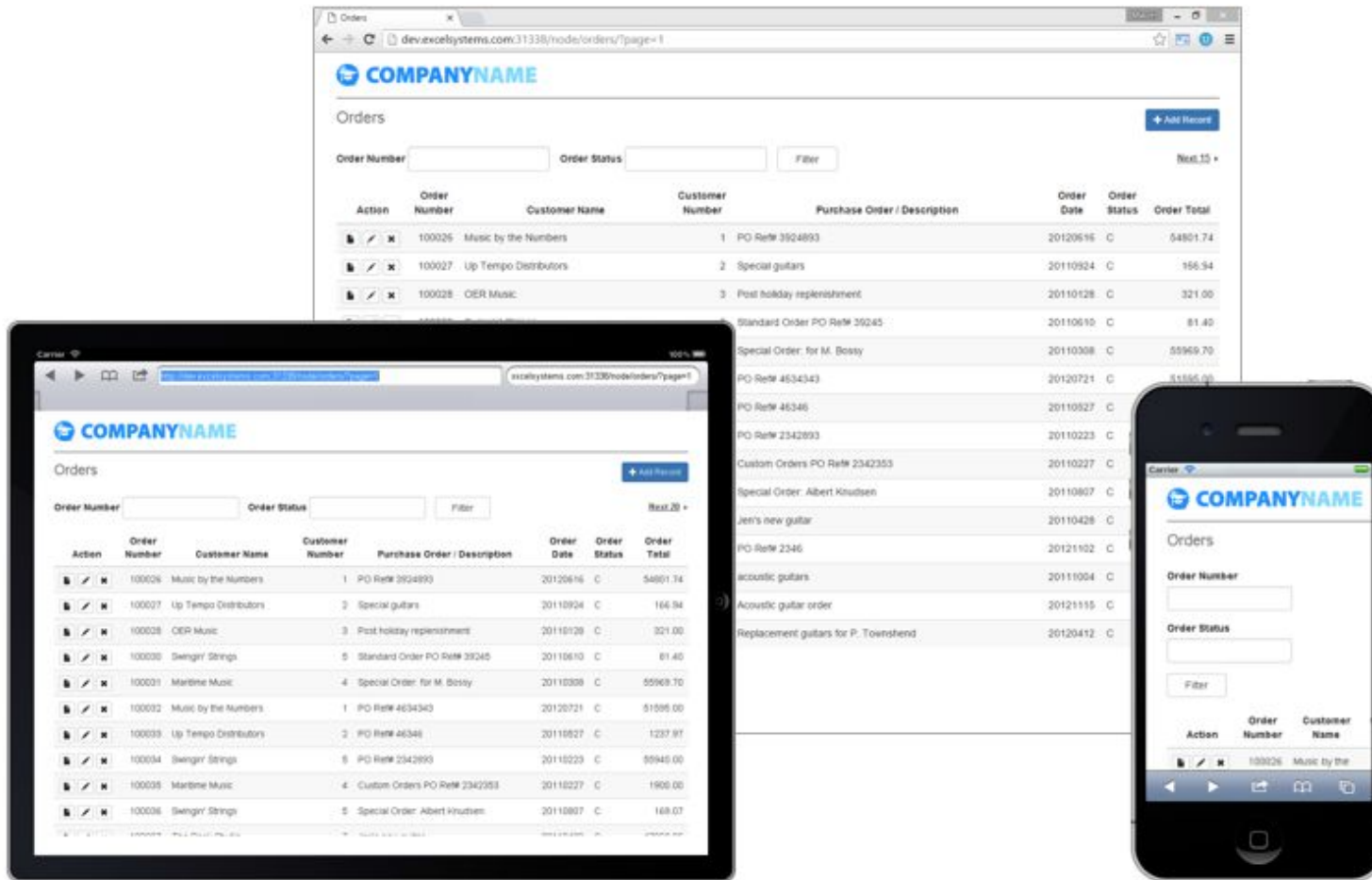
- Traduzione di testi
- Voice-to-text
- Riconoscimento di immagini
- Recommendations

**un video di alcuni min ci spiega la
semplicità di creare webservices vs DB2
con Websmart
klikka qui 🖱️**



WebSmart aumenta la produttività
degli sviluppatori e riduce la curva di
apprendimento

Con i Templates crei applicazioni web in pochi minuti



Starting code creano per te:

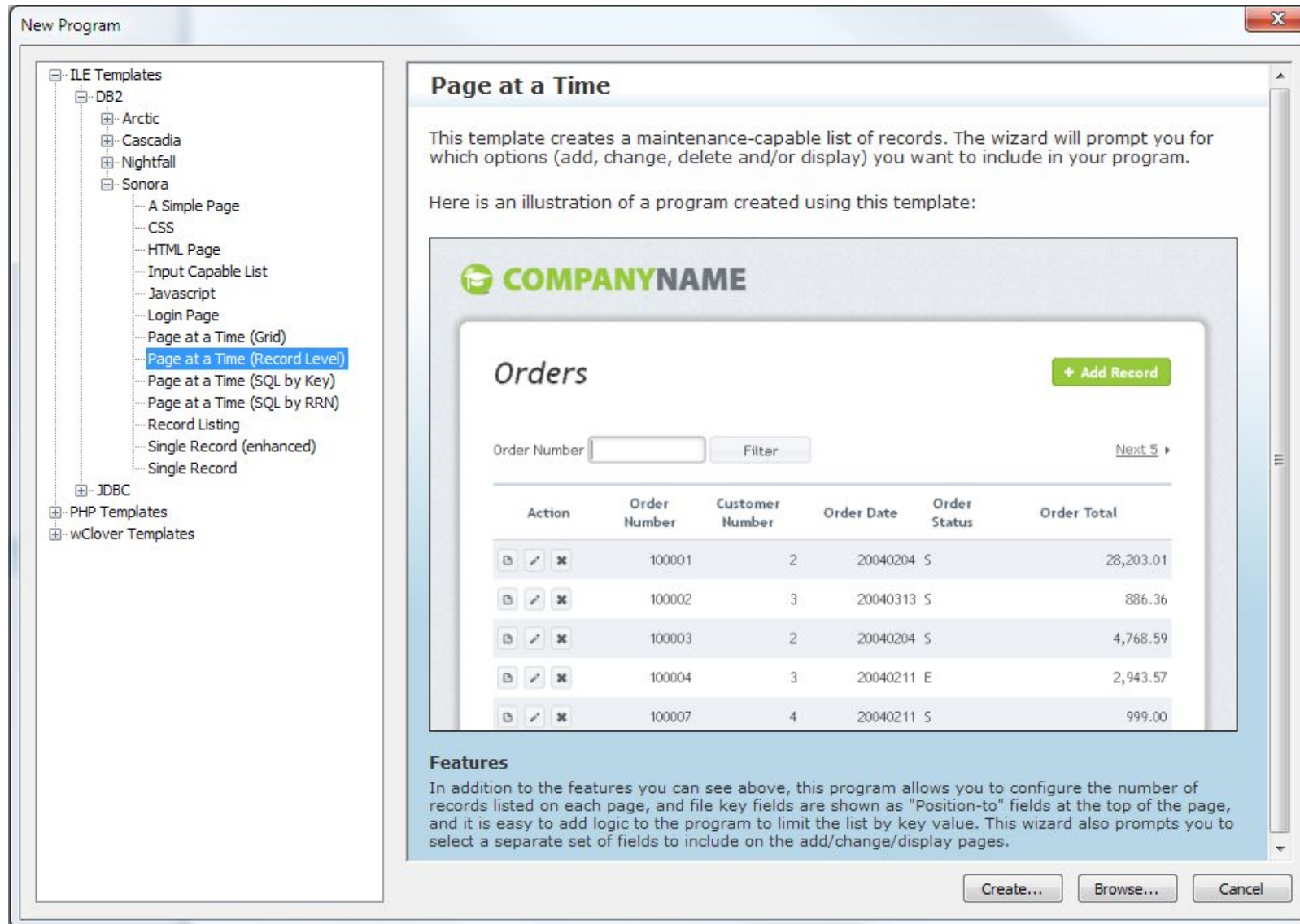
- Responsive mobile
- HTML
- CSS
- JavaScript

WebSmart Demo

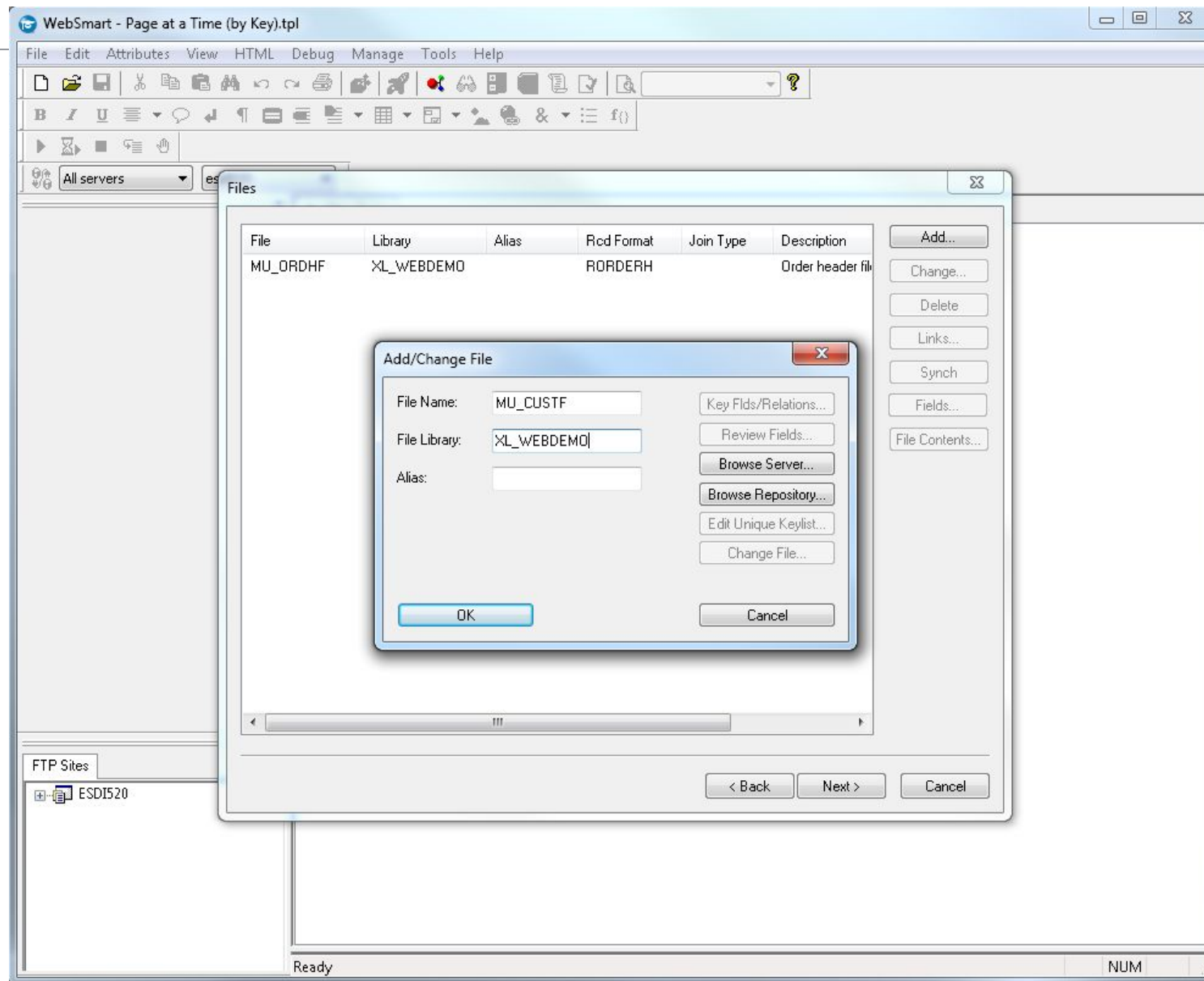
- Templates
- Customize application
- Come funziona
- bigblue Portal

WebSmart ILE Demo

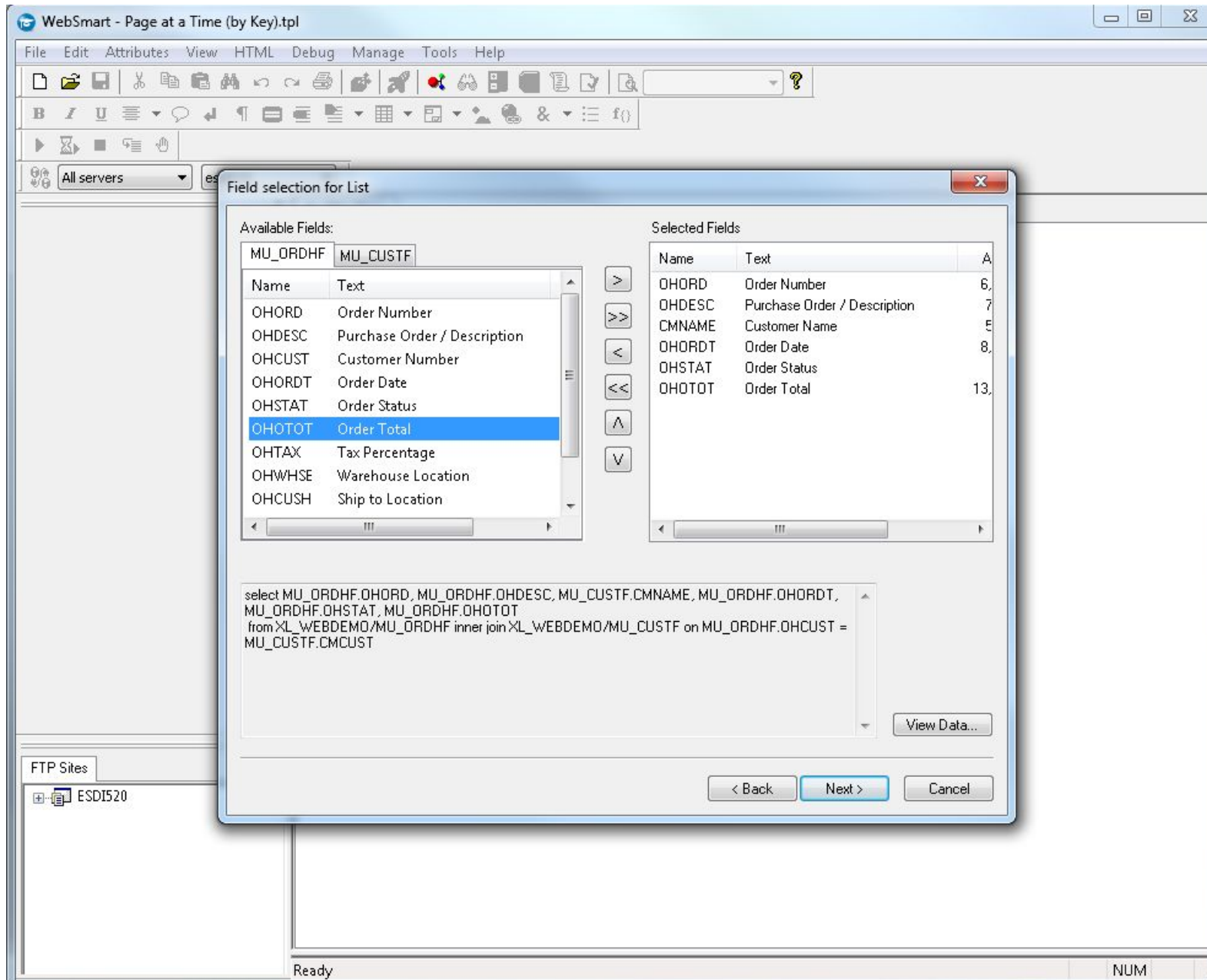
Templates e Wizards



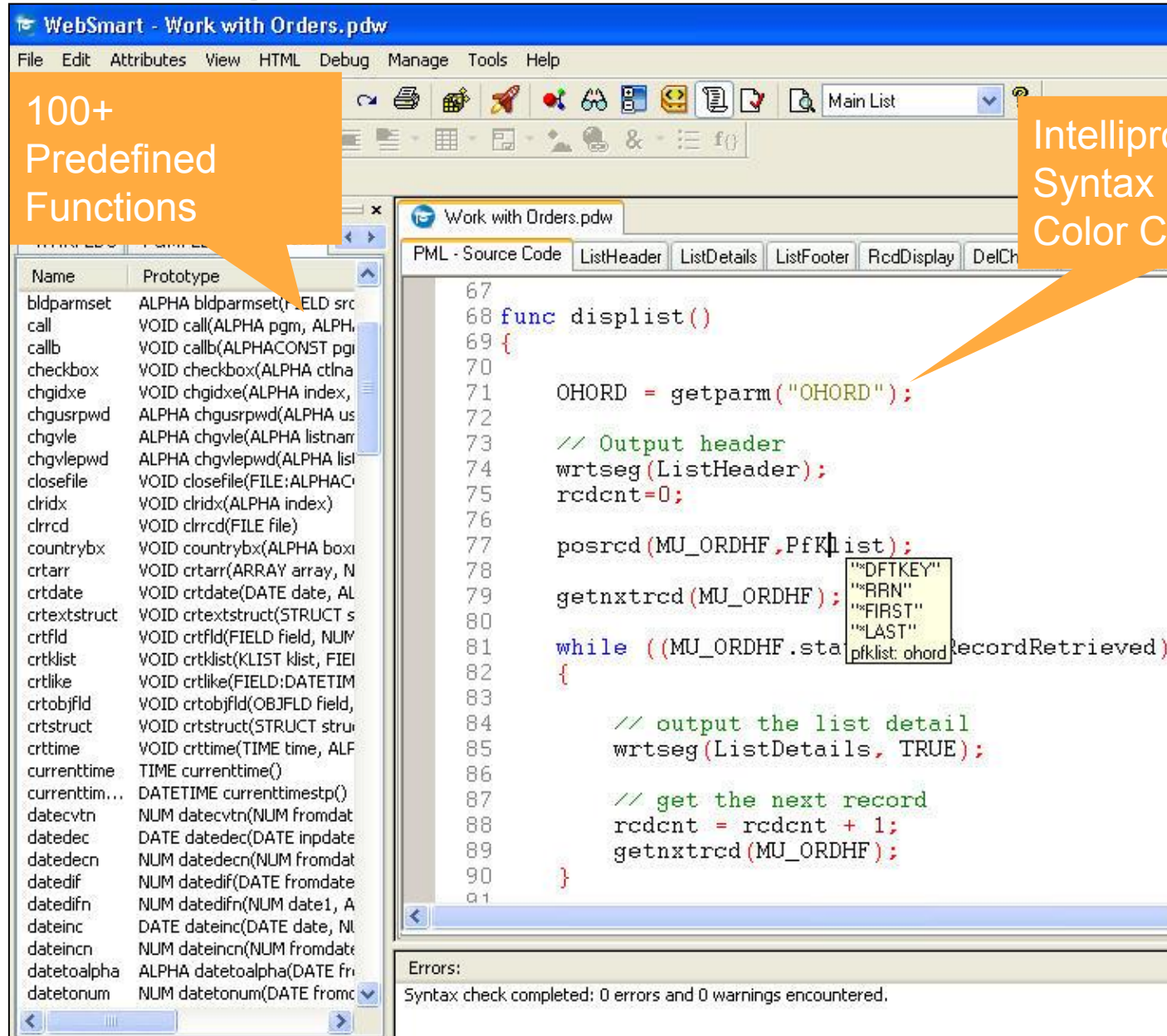
File Selection



Field Selection



Starting Code Created For You



100+ Predefined Functions

Name	Prototype
bidparamset	ALPHA bidparamset(FIELD src
call	VOID call(ALPHA pgm, ALPH
callb	VOID callb(ALPHACONST pg
checkbox	VOID checkbox(ALPHA ctlna
chgidxe	VOID chgidxe(ALPHA index,
chgusrpwd	ALPHA chgusrpwd(ALPHA us
chgvl	ALPHA chgvl(ALPHA listnar
chgvlpwd	ALPHA chgvlpwd(ALPHA list
closefile	VOID closefile(FILE:ALPHA
clridx	VOID clridx(ALPHA index)
clrrcd	VOID clrrcd(FILE file)
countrybx	VOID countrybx(ALPHA boxi
crtarr	VOID crtarr(ARRAY array, N
crtdate	VOID crtdate(DATE date, AL
crtextstruct	VOID crtextstruct(STRUCT s
crtfld	VOID crtfld(FIELD field, NUM
crtklist	VOID crtlist(KLIST klist, FIE
crtlike	VOID crtlike(FIELD:DATETIM
crtobjfld	VOID crtobjfld(OBJFLD field,
crtstruct	VOID crtstruct(STRUCT stru
crttime	VOID crttime(TIME time, ALP
currenttime	TIME currenttime()
currenttim...	DATETIME currenttimestp()
datecvtn	NUM datecvtn(NUM fromdat
datedec	DATE datedec(DATE indate
datedecn	NUM datedecn(NUM fromdat
datedif	NUM datedif(DATE fromdate
datedifn	NUM datedifn(NUM date1, A
dateinc	DATE dateinc(DATE date, NI
dateincn	NUM dateincn(NUM fromdate
datetoalpha	ALPHA datetoalpha(DATE fr
datetinum	NUM datetinum(DATE fromc

Intelliprompting, Syntax Checking Color Coding

```
67
68 func displist()
69 {
70
71     OHORD = getparm("OHORD");
72
73     // Output header
74     wrtseg(ListHeader);
75     rcdcnt=0;
76
77     posrcd(MU_ORDHF, Pfklist);
78
79     getnxtrcd(MU_ORDHF);
80
81     while ((MU_ORDHF.sta
82     {
83
84         // output the list detail
85         wrtseg(ListDetails, TRUE);
86
87         // get the next record
88         rcdcnt = rcdcnt + 1;
89         getnxtrcd(MU_ORDHF);
90     }
91 }
```

Errors:
Syntax check completed: 0 errors and 0 warnings encountered.

Separation of Logic and Display

WebSmart - <new definition>

File Edit Attributes View HTML Debug Manage Tools Help

ESDIPROD

Files and Functions

MU_ORDF	*WRKFLDS	*PGMFLDS	Func
Name	Text		A
OHORD	Order Number	6	
OHDESC	Purchase Order / Description		
OHCUST	Customer Number	7	
OHORDT	Order Date	8	
OHSTAT	Order Status		
OHOTOT	Order Total	13	
OHTAX	Tax Percentage	3	
OHWHSE	Warehouse Location		
OHCUSH	Ship to Location	3	
OHSHPD	Ship Date	8	
OHINV	Invoice Number	6	

Utility Tabs

Snippets Info

Snippet Description

- Browser Sniff - WS
- Center - WS
- Checkbox - WS
- Clock - WS
- Comment - WS
- Doc Popup - WS
- Drop Down Box - WS
- Form (Simple) - WS
- Form to call current PGM - WS
- Func call - WS
- Hidden field - WS
- Image - WS

PML - Source Code

```
22 <div id="content-header">
23 <h1 class="title">Work with Orders</h1>
24 <span class="add-link">
25 <a class="add" href="<field name=pgmf_qpgmnam>?task=beginadd">
26  Add Record
27 </a>
28 </span>
29 </div>
30 <div id="contents">
31 <form id="filter-form" class="filter" action="<field name=pgmf_qpgmnam>" method="post">
32 <div id="filters">
33 <span class="filter-group">
34 <label for="OHORD">Order Number</label>
35 <input id="OHORD" class="filter" type="text" name="OHORD" maxlength="6" value="<field name=OHORD">
36 </input>
37 <input id="filter-button" class="filter-button" type="submit" value="Go to" />
38 </div>
39 </form>
40 <span id="list-paging-top" class="list-paging">
41 <a id="previous-link-top" class="list-paging previous hidden" href="#">
42  <span>Previous</span> </a>
43 <a id="next-link-top" class="list-paging next hidden" href="#">
44 <span>Next</span> <field name=listsize editcode=Z></span>  </a>
45 </span>
46 </div>
47 <div class="clear-layout"></div>
48 <table id="list-table" class="main-list" cellspacing="0">
49 <tr class="header">
50 <th class="actions" width="15">Action</th>
51 <th width="60" valign="top">Order Number</th>
52 <th width="75">Purchase Order / Description</th>
53 <th width="70">Customer Number</th>
54 <th width="80">Order Date</th>
55 <th width="10">Order Status</th>
56 <th width="130">Order Total</th>
57 </tr>
58 <tr>
59 <td><field name=OHORD">
60 </td>
```

HTML segments are like record formats

Drag & Drop Fields

Functioning Application as Starting Point

Orders

esdi.excelsystems.com/wsphp/mas/Orders.php

COMPANYNAME

Orders

+ Add Record

Order Number Order Status Filter [Next 20](#)

Action	Order Number	Customer Name	Purchase Order / Description	Order Status	Order Total
	100026	Music by the Numbers	PO Ref# 3924893	C	54801.74
	100026	Up Tempo Distributors	PO Ref# 3924893	C	54801.74
	100026	OER Music	PO Ref# 3924893	C	54801.74
	100026	Maritime Music	PO Ref# 3924893	C	54801.74
	100026	Swingin' Strings	PO Ref# 3924893	C	54801.74
	100026	Cam's Country	PO Ref# 3924893	C	54801.74
	100026	The Rock Studio	PO Ref# 3924893	C	54801.74
	100026	The Welsh Connection	PO Ref# 3924893	C	54801.74
	100026	Fruit of the Lute	PO Ref# 3924893	C	54801.74
	100026	Phil's Philharmonic	PO Ref# 3924893	C	54801.74
	100026	Karaoke Wannabes	PO Ref# 3924893	C	54801.74
	100026	The Electron Spinner	PO Ref# 3924893	C	54801.74
	100026	The Surf Rocker	PO Ref# 3924893	C	54801.74

Leverage Existing RPG Logic

- Call RPG Program

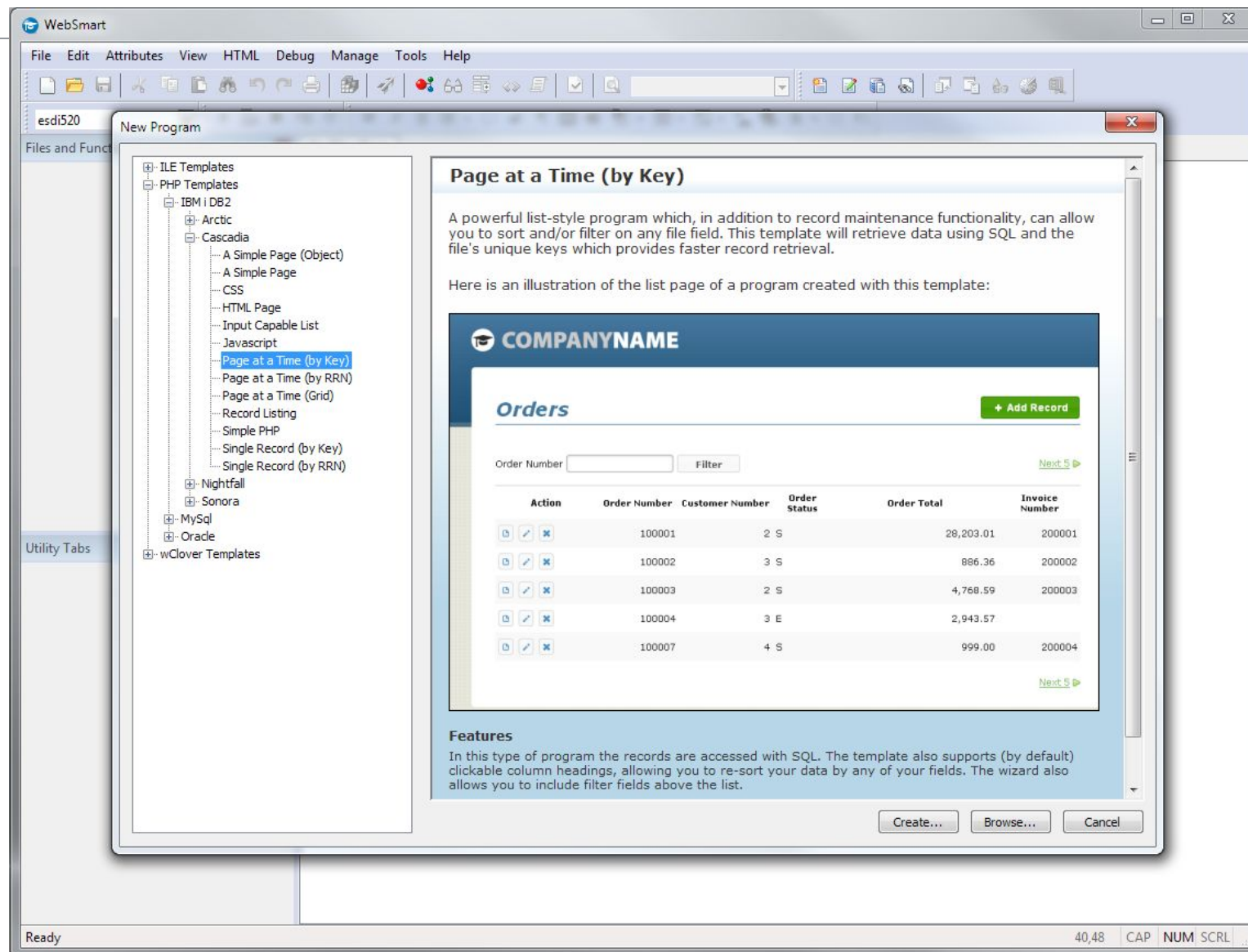
```
call("PGMNAME", "LIBRARY", PARM);|
```

- Call Module

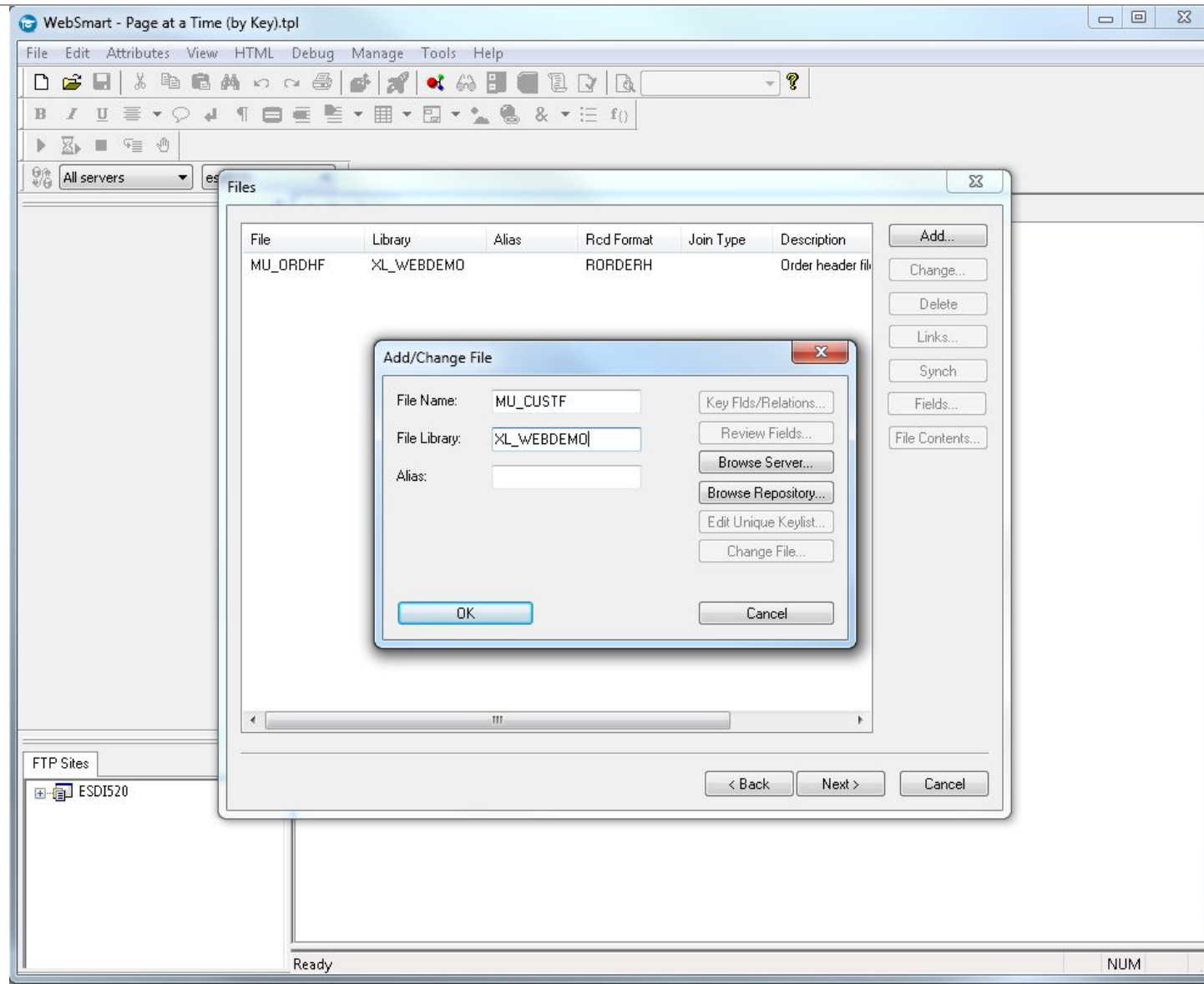
```
callb("PRCCHK", "*LIBL", ITEM, PRICE);
```


WebSmart PHP Demo

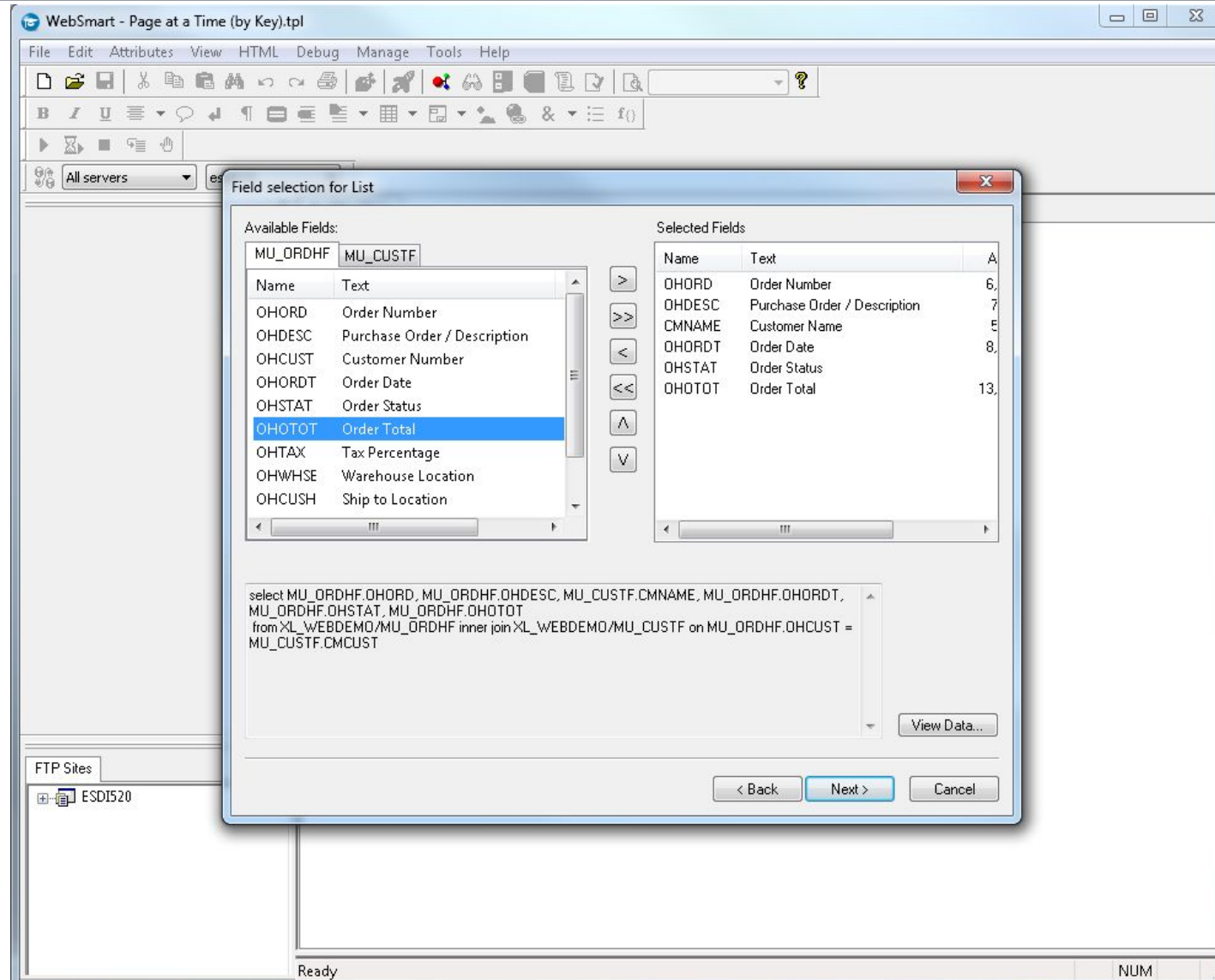
Select Template



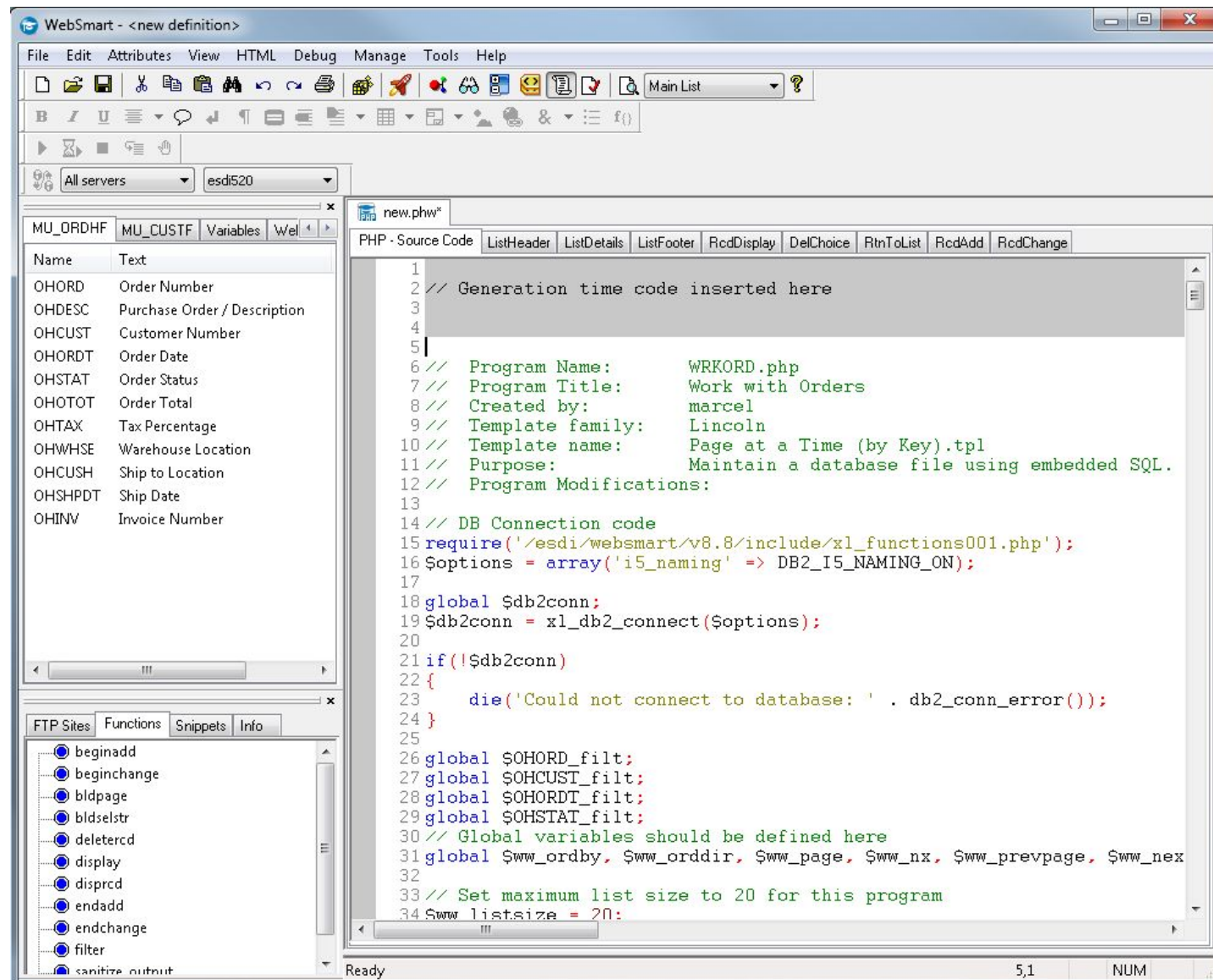
File Selection



Field Selection



Code Created



Functioning Application come Starting Point

Orders

esdi.excelsystems.com/wsphp/mas/Orders.php

COMPANYNAME

Orders

+ Add Record

Order Number Order Status Filter

Next 20 ▶

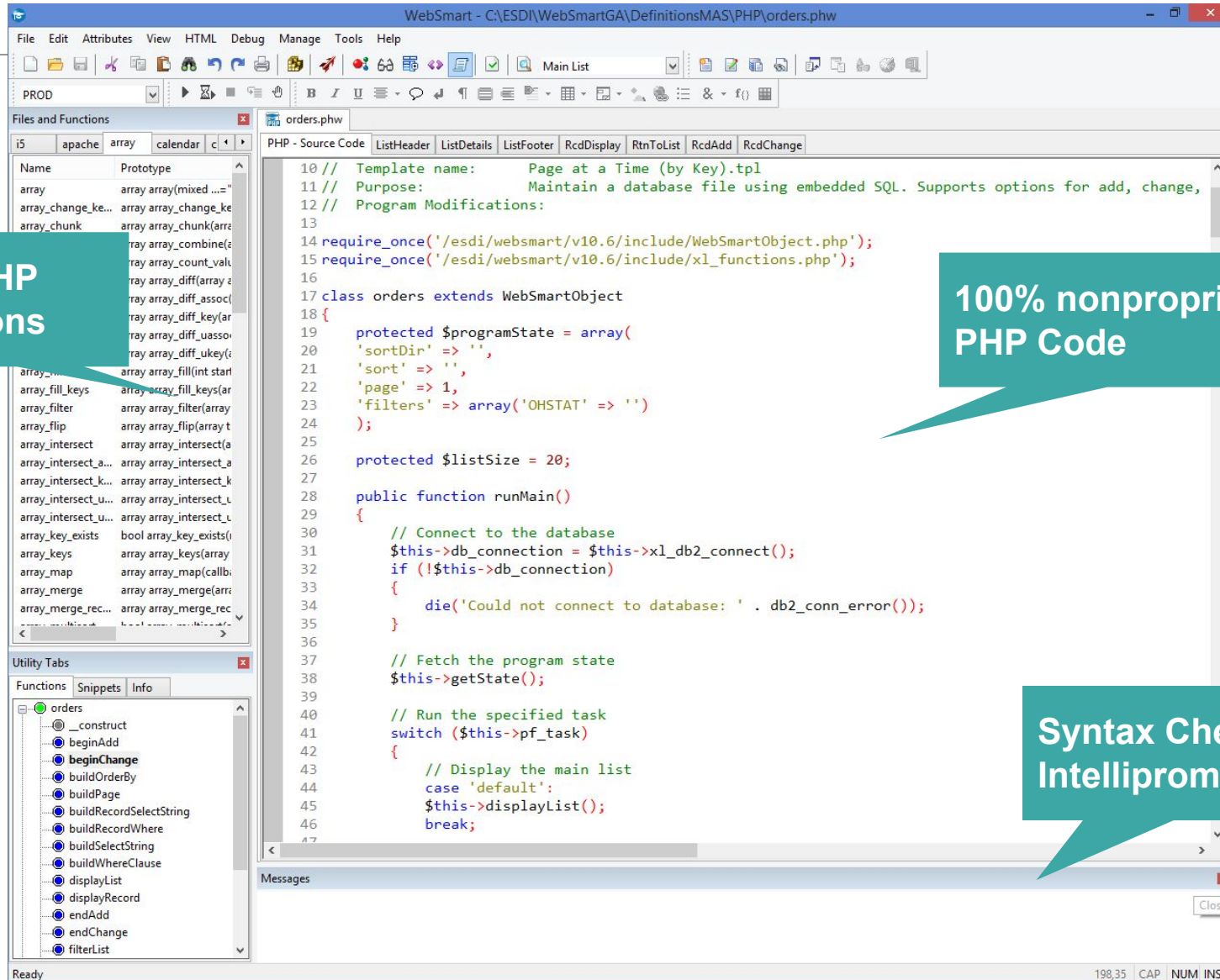
Action	Order Number	Customer Name	Purchase Order / Description	Order Status	Order Total
	100026	Music by the Numbers	PO Ref# 3924893	C	54801.74
	100026	Up Tempo Distributors	PO Ref# 3924893	C	54801.74
	100026	OER Music	PO Ref# 3924893	C	54801.74
	100026	Maritime Music	PO Ref# 3924893	C	54801.74
	100026	Swingin' Strings	PO Ref# 3924893	C	54801.74
	100026	Cam's Country	PO Ref# 3924893	C	54801.74
	100026	The Rock Studio	PO Ref# 3924893	C	54801.74
	100026	The Welsh Connection	PO Ref# 3924893	C	54801.74
	100026	Fruit of the Lute	PO Ref# 3924893	C	54801.74
	100026	Phil's Philharmonic	PO Ref# 3924893	C	54801.74
	100026	Karaoke Wannabes	PO Ref# 3924893	C	54801.74
	100026	The Electron Spinner	PO Ref# 3924893	C	54801.74
	100026	The Surf Rocker	PO Ref# 3924893	C	54801.74

Controllo completo e flessibilità con WebSmart IDE

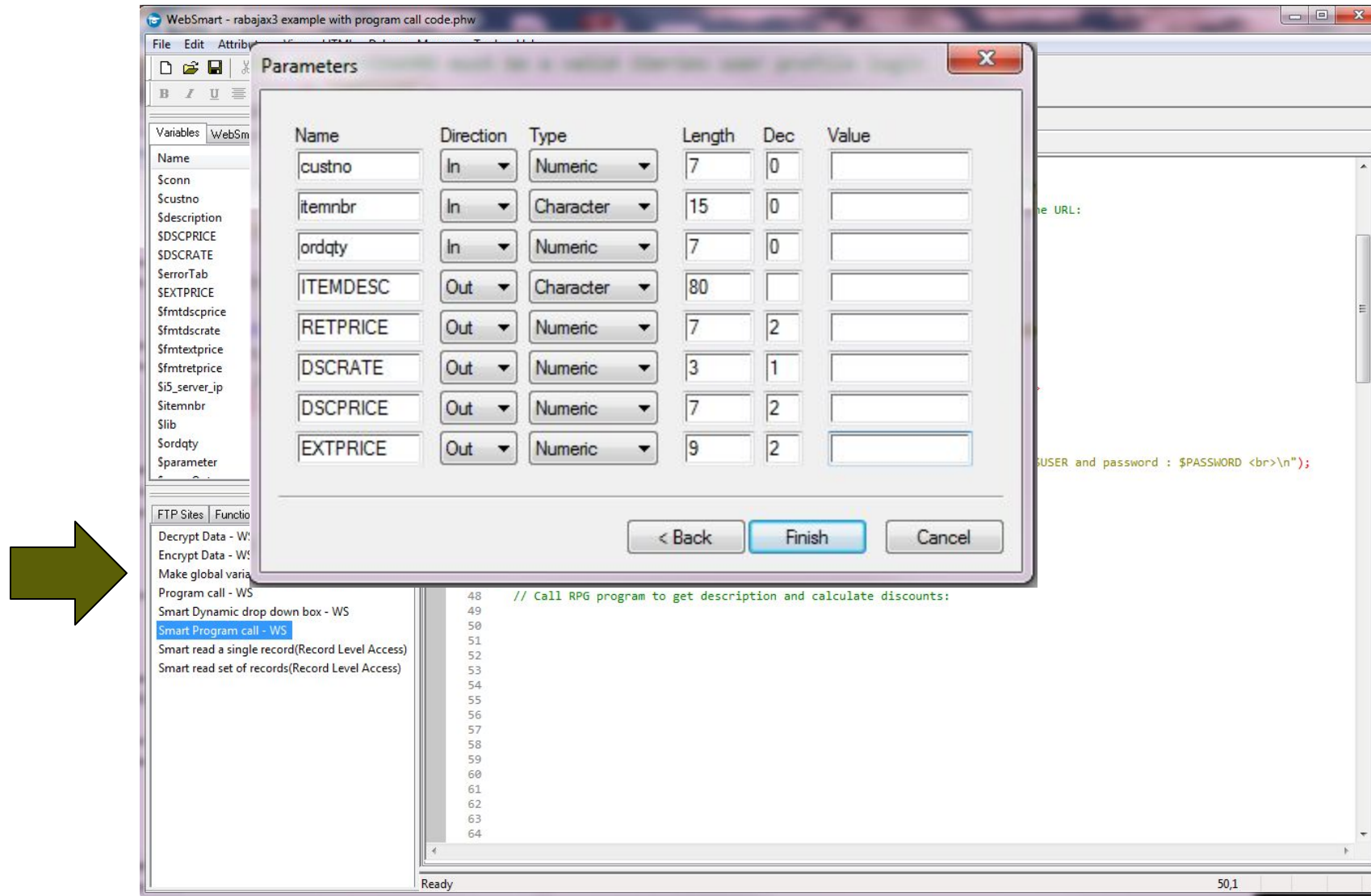
5000 PHP Functions

100% nonproprietary PHP Code

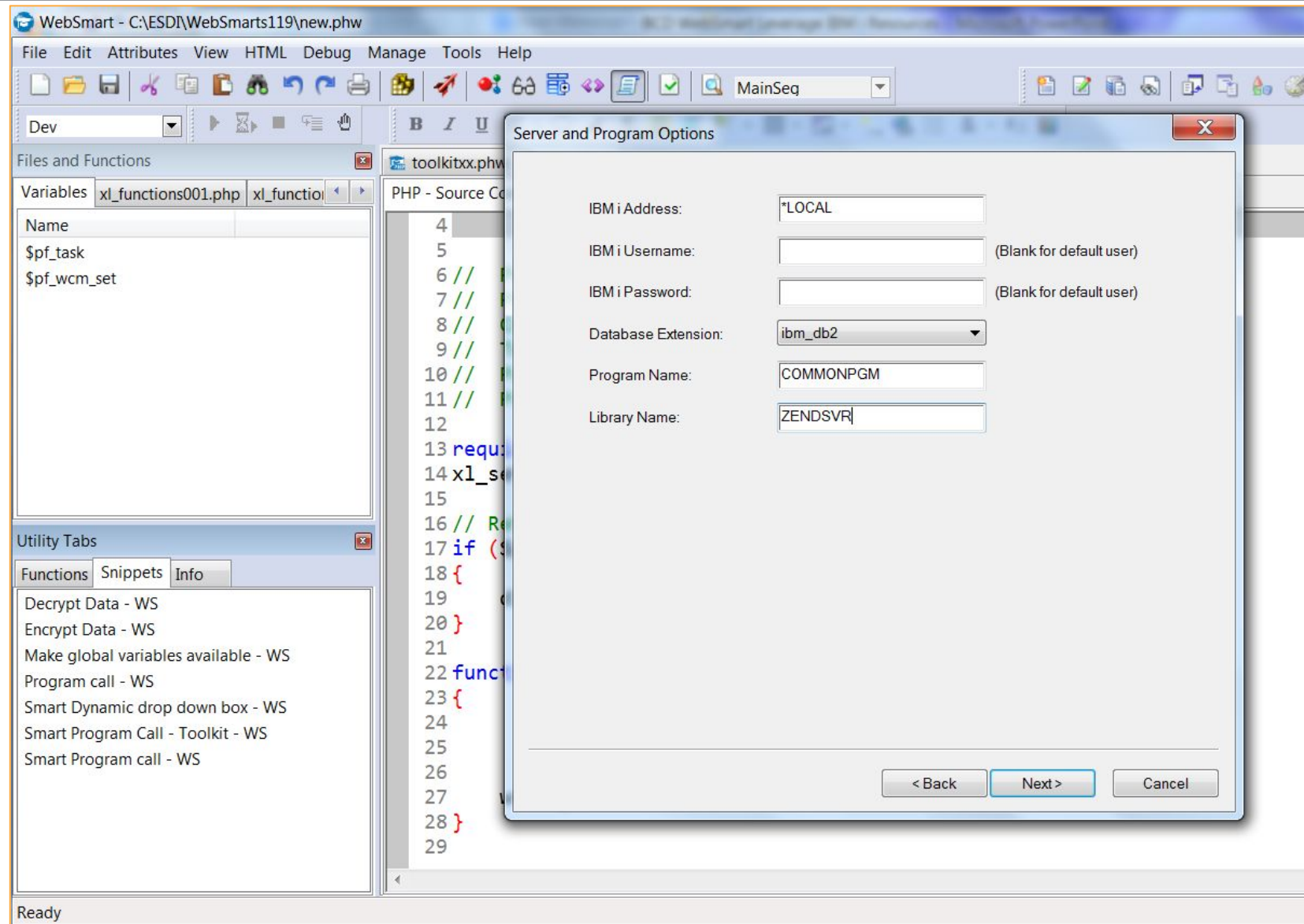
Syntax Checker & Intellis prompting



WebSmart PHP Smart Program Call



Call Existing RPG Business Logic using Wizards



Fine della demo

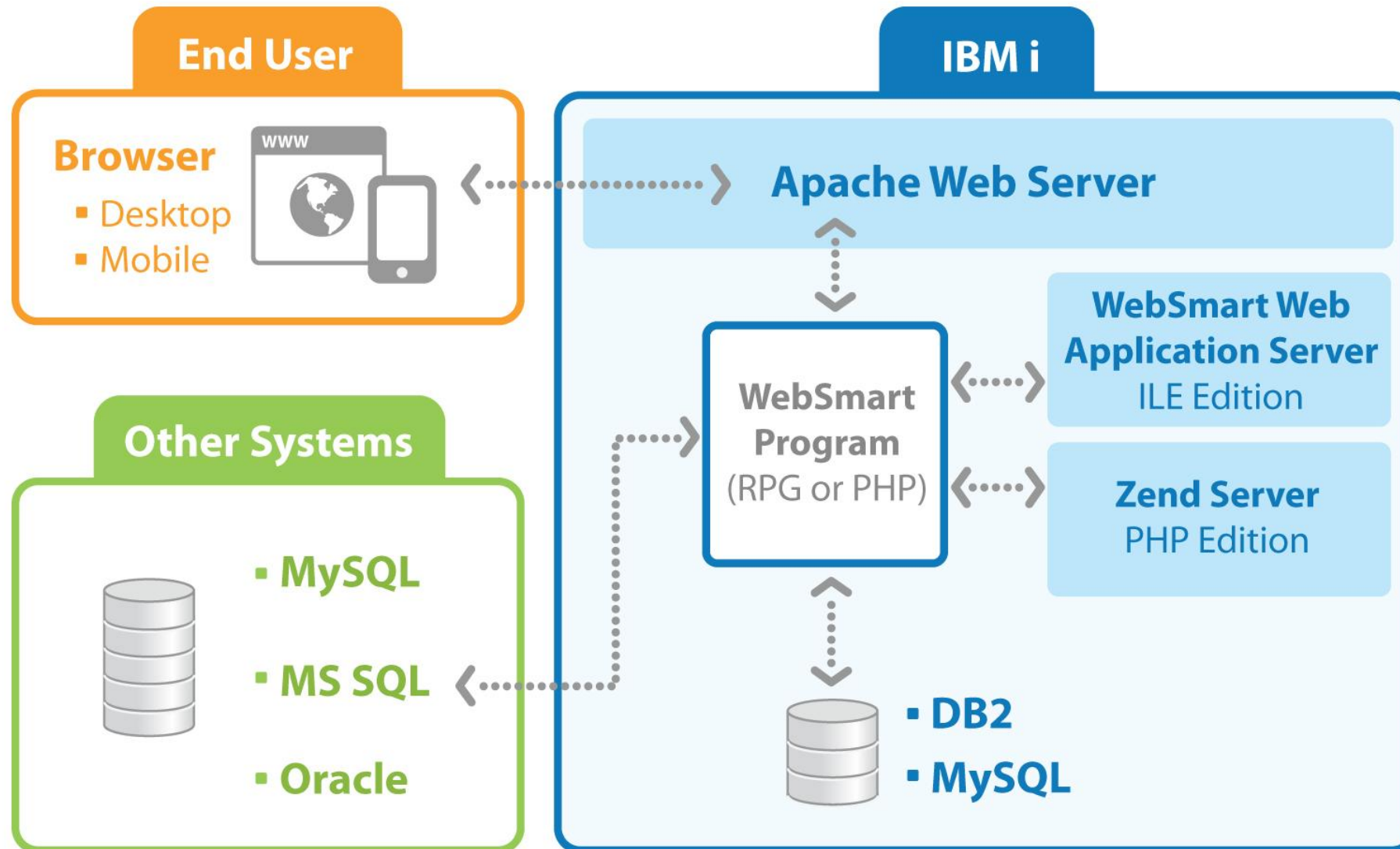
Change Management (Built in e third party integration)

The screenshot displays the 'WebSmart Change Management' application. The main window features a tree view on the left with a 'Project/Set/Definition/Archive' hierarchy. The 'Description' pane on the right shows details for the selected item, 'nxcbilling Customer Billing.pdw'. A callout box points to the 'History' window, which is open in the foreground. This window contains a table of developer activity.

Change Management - View History of all developer activity

Event	Date	Time	User	Text
Closed	2007-03-19	11.15.30	KEVIN	
Opened	2007-03-19	11.13.18	KEVIN	
Closed	2007-02-27	14.55.08	DUNCAN	
Saved (Changed)	2007-02-27	14.55.08	DUNCAN	Saved
Saved (Changed)	2007-02-27	14.53.28	DUNCAN	Saved
Opened	2007-02-27	12.52.35	DUNCAN	
Closed	2007-02-27	12.51.00	DUNCAN	
Saved (Changed)	2007-02-27	12.51.00	DUNCAN	Saved
Gen'd & Compiled	2007-02-27	12.19.46	DUNCAN	Succeeded
Saved (Changed)	2007-02-27	12.19.36	DUNCAN	Saved
Gen'd & Compiled	2007-02-27	11.49.46	DUNCAN	Succeeded
Saved (Changed)	2007-02-27	11.49.34	DUNCAN	Saved
Gen'd & Compiled	2007-02-27	11.46.37	DUNCAN	Succeeded
Saved (Changed)	2007-02-27	11.46.22	DUNCAN	Saved
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Saved (Changed)	2007-02-27	11.42.33	DUNCAN	Saved

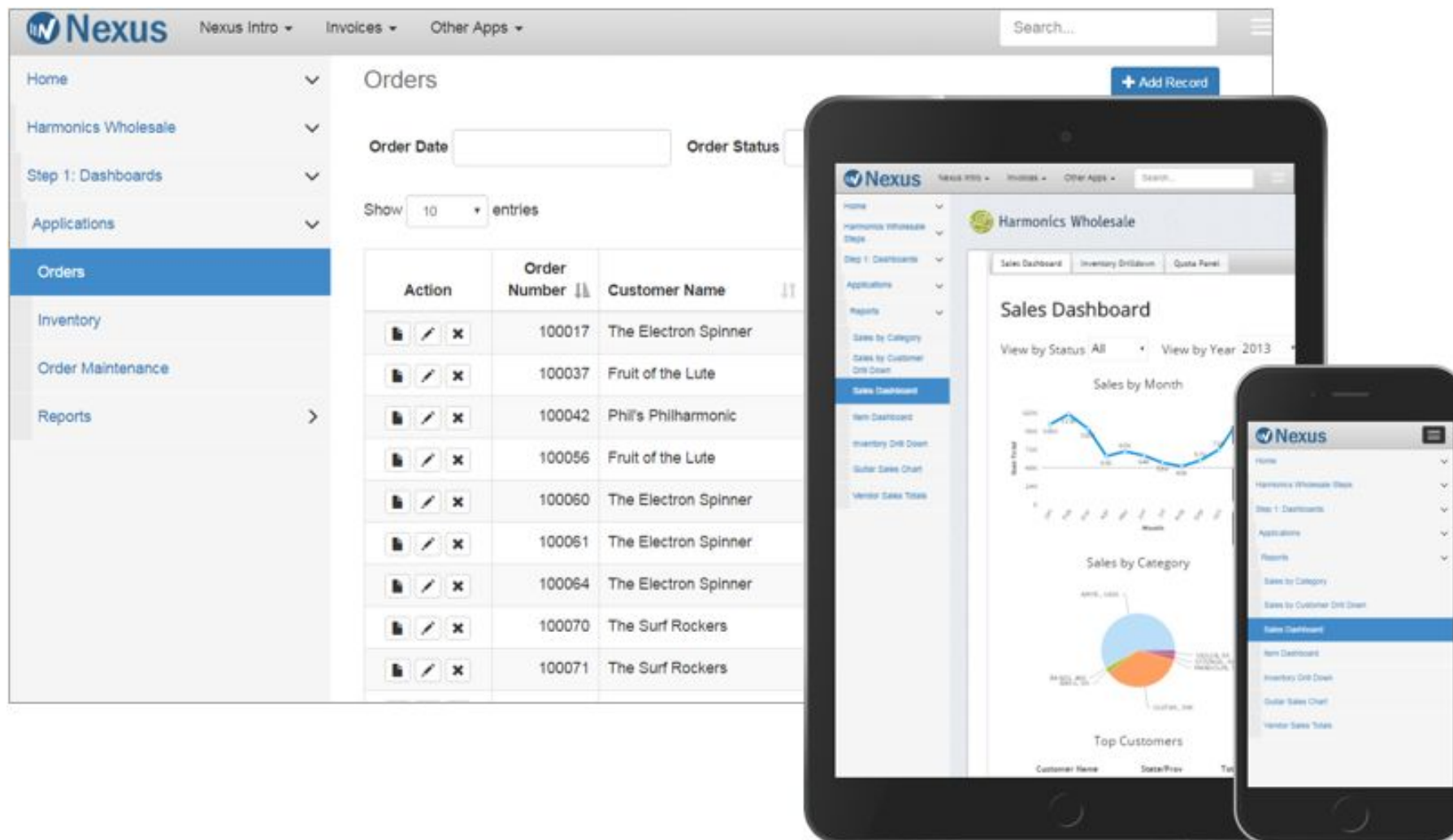
Architecture



Securing e Deploying

- Come accederanno gli utenti?
- Hai bisogno di un login sicuro?
- Vuoi un control access?
- Vuoi un accesso dal menu?
- Hai bisogno di creare dashboards?

Security e Managing Apps con il portale Nexus



Un unico punto di accesso per altre applicazioni

Top

My Applications

Customers (Presto)

Quick Launch

Work with Customers PHP

Work with Orders

API Work with Customers

Sales Dashboard

Presto Login

Document Search

Customers and Orders Presto

Customers (Presto)

Work with Customers PHP

Work with Orders

Current Sales

Presto Login

Document Search

Customers and Orders Presto

myFrescheSolutions

Bamboo HR



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I benefici di WebSmart

- Applicazioni web strategiche
- Crea starting server e client code
- Stateless
- Scalabile
- Customer facing o internal

2 WebSmart Editions

	PHP	ILE
Language	PHP	PML/RPG
Server	IBM i, Linux, Windows	IBM i
Databases	DB2, MySQL, Oracle	DB2, MySQL, MS SQL
Web Server	Apache	Apache
Web Application Server	Zend Server	WebSmart

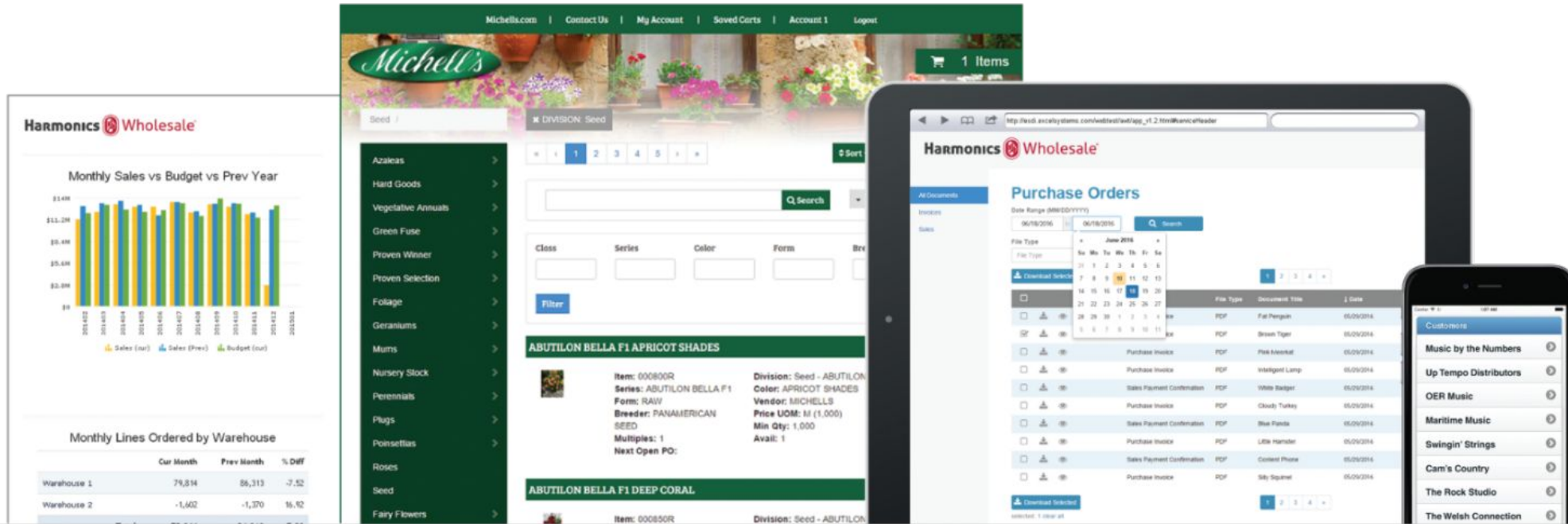
Confronto fra le versioni

- I vantaggi di PHP:
 - Multi-platform
 - Non-proprietary - No server license
 - Large open source PHP community
- I vantaggi di ILE:
 - Tighter integration con RPG
 - Rendi i programmatori RPG molto produttivi
 - Facile da imparare per i programmatori RPG

Risorse tecniche

- Esempi di WebSmart myFrescheSolutions.com
- User Guide and KB
- Training

Professional Services – Qualsiasi cosa è possibile



Services Engagement Options



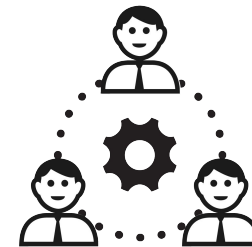
**Mentoring
& Training**



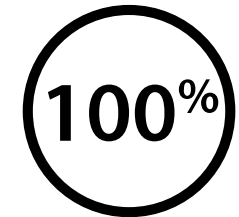
**Strategy &
Discovery**



Jumpstart



Tandem



Complete

Perchè i Professional Services



Esperti al tuo servizio



Stima accurata del progetto



Progetti di qualsiasi grandezza



Aumento del tuo staff



Metodologie comprovate

- Sviluppo rapido di applicazioni web e mobile strategiche
- I Templates riducono la curva di apprendimento e incrementano la produttività
- Valorizza gli sviluppatori e le applicazioni IBM i
- Attrai nuovi sviluppatori



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