

# Zim Mobile! Product Update

February 1, 2010

## System Capabilities

**Data Connector Architecture** - Data from external sources (e.g. web services) can now be supported via the Java data connector plug-in architecture in addition to the JavaScript interface and direct database connectivity.

**Customizable headers on forms and grid screens** - In previous versions the header was just a text label with the same text as the menu item. Now it is a panel that can contain fields, buttons etc. in a horizontal layout. Headers can also be inherited from the parent grid screen.

**Horizontal Field Panels** - These allow more flexibility in layouts and % Widths for fields.

**Button fields** – Now have configurable actions or dropdown menu items.

**HTML fields** - Similar to note fields but provide HTML formatting. In addition the 'page down' shortcut key is also supported

**Secondary tables and grids** - In Zim Mobile! 2.0 there was a restriction of one 'main' table with a grid with forms and detail grids. Now developers can have several main tables with their own grids making it easier to toggle between them with no requirement to re-synch the data as there is when switching between applications and lookup tables can be shared.

**Data Objects** - These are database tables that are limited to one record in a table and can be treated in a similar way to an object in traditional object-oriented programming. For example: an object containing information about a user -such as status (i.e. available/not available), name, address or perhaps a driver's vehicle status in a dispatch application. They can be represented in fields without the user needing to select a record on a grid first. Useful when creating form or grid screen headers which show data that is more global in nature and is not dependent on the user selecting a grid row first.

**New action types 'next', 'previous' for buttons and menus-** Shows next/previous record while in a form and loads the new data to the form. .



**Push capability for Blackberry (BIS or BES)** - Saves power consumption and data traffic, and improves response time: the server can notify the device directly when new data is available, rather than the device polling for it. The server can be notified from a database trigger of new data for a device or devices using the url such as [www.mydomain.com/MapDataServer:8082/NotifyData?APP=myApp&RULE=GetNew&PIN=12345678;11112222](http://www.mydomain.com/MapDataServer:8082/NotifyData?APP=myApp&RULE=GetNew&PIN=12345678;11112222) or it can poll the database at an interval set in the project. The APP parameter is optional, for use in multi-application projects. Upon receipt of the notification, the device can run a specified synch rule to retrieve the data.

**Synchronization rules** - Setting order of table updates in a synch rule

**New Records Script** - Runs when new records are received

**Hide-if-empty** - Hide grid columns and form fields if there is no database data for that item in the current record.

**New data trigger conditions** - startswith, endswith, contains, isempty.

**Grid** - Percentage widths for grid columns

**Shortcut keys** - Supported for tab selection, menu items and field focus

**Username/Password security** – Now includes automatic password expiry times and relogin required after period of inactivity

**Bar code reader support (Windows Mobile)**

**New actions:**

- Synch
- ShowProgress
- ShowScreen

**Credit Card processing**

- Current integrations: X-Charge



## Zim Mobile! Design Studio

**Grid display** - Provides more accurate representation of what the resulting grid will look like on the device. Supports horizontal and vertical layouts and expanded row layout.

**External Data integrations** - Table/field metadata can be created without a connected database – this supports the external data connector architecture. A system can be designed and, tables and fields can be added without a live connection to a database.

**Improved the drag-drop interface** - Now incorporates lock controls.

**Improved the select data triggers dialog** - Actions such as next, previous, close, save etc. have been added.

**Menu definitions for forms** - Have been improved to add more flexibility.

**New secondary grid wizard** - Creates new secondary grids.

### Deployment:

'Publish' now assumes a login is required.

#### Admin interface new features:

- Setting of database configuration – so the project design and deployment settings such as database connections need not be embedded in the project
- Setting of custom data connector properties
- Tracking of device model and OS by user
- Ability to upload new projects from the admin pages
- Test data connections

