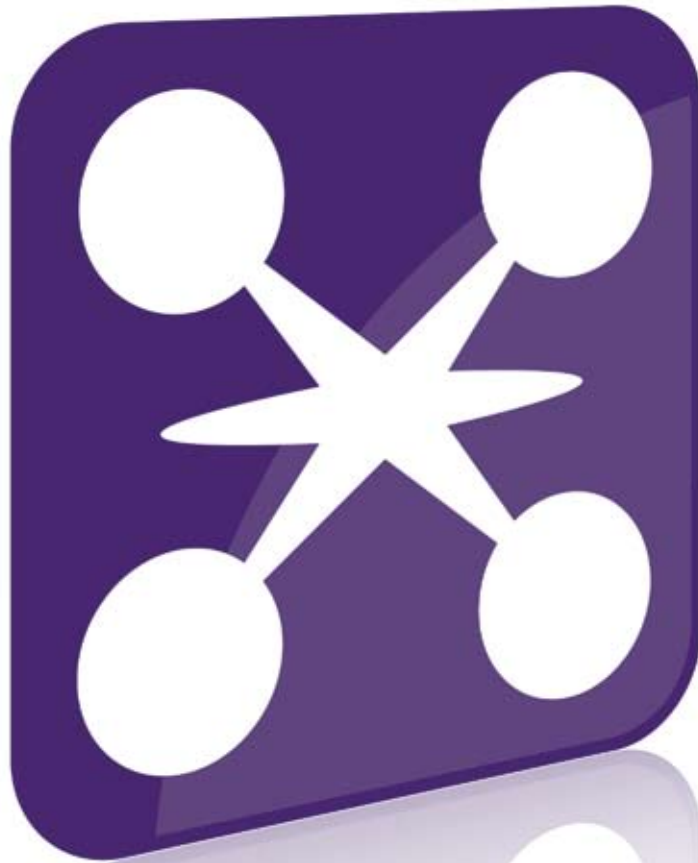




WHEN THE
SOLUTION
MATTERS



4D Ajax Framework

In today's fast-paced business world, you need the right data, right now. So why do so many people rely on web applications that deliver stale data? Web 1.0 applications deliver snapshots of data that are out of date and potentially wrong just moments later. That's not how business works, and that's not how your web applications should work.

4D can help. We've created the 4D Web 2.0 Pack, a new set of tools that allow you to deliver live web applications instead of stale ones. And at the heart of the 4D Web 2.0 Pack is the 4D Ajax Framework.

Live data web applications are responsive and vibrant, easier to use, and most important, packed with up-to-the-minute data. Best of all, the 4D Ajax Framework makes developing them easier than ever before.

4D Web 2.0 Pack: Data lives here™



Live Data is Smart Data

At the heart of the 4D Web 2.0 Pack is the 4D Ajax Framework.

The 4D Ajax Framework is a different kind of Ajax library: it's an integrated platform built on the belief that business application developers should focus on solving business problems. The 4D Ajax Framework lets you focus on building the powerful web applications your customers want.

With just a few lines of code, and the 4D Ajax Framework pumping live data, it's simple to create powerful and exciting Ajax applications.

You can even use the 4D Ajax Framework to make your own "mash-ups" by incorporating external data – like mapping info – side by side with computed values and your own data. The result? More interaction and more functionality, with less additional coding needed.



Easy Setup and Administration

Getting started with the 4D Ajax Framework is a breeze. All you need to do is add a component to a 4D application, open a web browser, and you're ready to start. User settings also live on the server, so users don't need cookies to save their preferences – great for remote workers! All they need is a login and the right URL.

Plus, the 4D Ajax Framework is "structure friendly". It doesn't add any tables or forms to your existing structure. It just works.

It Looks How You Like

The 4D Ajax Framework comes with a set of pre-written "skins" for your web workspace. You can also take the included template and customize the interface and the graphics. The ability to localize into any language is also built in.



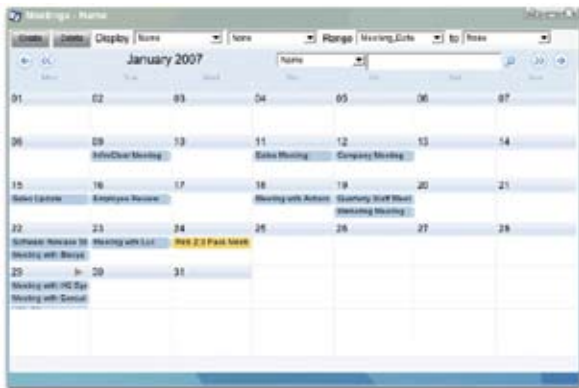
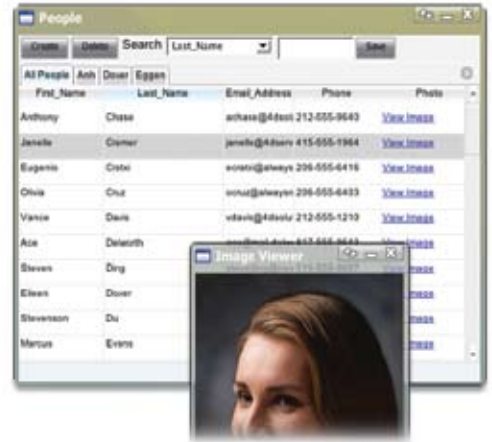
Easy Display of Any Live Data, in Any Screen

The 4D Ajax Framework is more than just a window into your database; it lets you arrange live data any way you want. Users can work in screens with data from multiple tables, arrays, or views – on one display or even in a tabbed interface.

The 4D Ajax Framework also utilizes a new feature we call Developer Defined Windows, which let you combine HTML with your own data and file types like video, PDFs, Flash animation, and streaming audio.

A More Interactive Experience

Keeping your live data valid while it's being used is critical. Our advanced event handling makes sure that data validation is immediate and that errors are managed in a user-friendly way.



Date It Up

All you need is one line of code to produce a full-featured calendar display packed with up-to-the-second data.

Developer Controls –You Have the Power

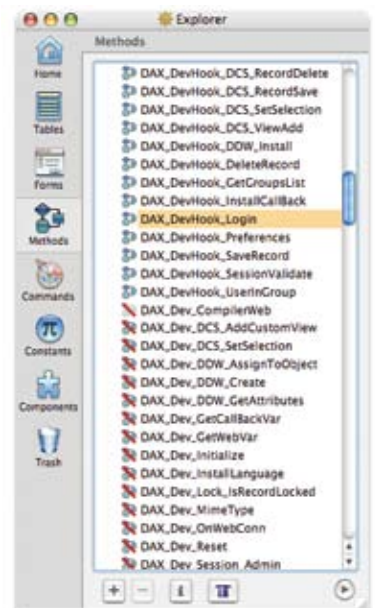
Moving to a web interface doesn't mean you have to give up power or control in your applications. The 4D Ajax Framework was built to give 4D developers access to all the power and flexibility that Ajax, JavaScript and CSS has to offer. You choose what users see, what they can do to the data, and what happens on the back end.

Hooking It Up

The 4D Ajax Framework comes with a library of built-in hooks for application logic and control to handle:

- Form events
- User authentication
- Session management
- Business logic
- Debugging tools

It's all designed to give you maximum control with as little additional coding as possible.



4D Ajax Framework – Breathe life into your web data today!

There's no faster or easier way to build 4D applications for the web than with the 4D Ajax Framework. It's designed from the ground up for hassle-free code building that increases your productivity and delights your customers.

Before, web application development was limited by technology. Now, with the power of Web 2.0 and Ajax, you're only limited by your own imagination. In a few minutes you can be a data lifesaver and create beautiful powerful live web applications. Your data will thank you. And so will your users.

4D Ajax Framework Features

Easy Install and Configuration

- Web native (no browser plug-ins)
- Server side Install
- Server Side preferences
- XML-based preferences
- Point and click or programmatic config
- Cross browser support
- Windows and Macintosh support
- No additional objects (Forms or Tables) added to 4D structure
- User/Group based preference controls
- Native or custom password support
- Localization based on groups
- XML resources
- Compileable with all variables typed
- Live scrolling
- Tab interface
- Input and Output forms
- Automatic image handling
- Customizable user messaging
- Skinnable interface
- Customizable data formatting
- Group-based localization
- Immediate field level validation
- Multi windows
- Grid, Calendar and Data Tree controls
- Extensible with browser plug-ins – Flash, QuickTime, etc.

Developer Controls

- 4D Event callbacks
- JavaScript event callbacks
- Security developer hooks
- Data modification developer hooks
- Session management controls
- Developer Defined Windows
- Developer Defined Actions

Powerful Interface

- Interactive user interface
- Live data

Use any Data

- Automatic table support
- Eight levels of views (joins)
- Developer Defined Selections (arrays)
- Use data from any ODBC data source
- Customize data via 4D or JavaScript Callbacks
- Existing web application support
- Link external sites with local data (Mash-ups)
- Video, Flash or any browser plug-in support
- Extended Character Set Support

Requirements

Development

4D Developer Edition 2004.5+
4D Server Developer Edition 2004.5+
4D Web Server 2004.5+

Deployment

4D Server 2004.5+
4D Runtime Single User 2004.5+
4D Web Server 2004.5+

Browsers

Internet Explorer 7+ (Windows), Mozilla Firefox 2+ (Windows/Mac), Safari 2.0+ (Mac)

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