

Adobe® LiveCycle® Mosaic ES2

Create intuitive, contextual workspaces for better decision making



Product summary

Adobe LiveCycle Enterprise Suite 2 (ES2) is a software suite that extends the value of existing back-end systems by engaging users with collaborative rich Internet applications (RIAs) and guided forms, streamlining internal processes, managing correspondence, and strengthening information and document security.

Sample use cases

- Case management
- Financial advisor desktop
- Sales workplace
- Self-service applications

Increase productivity and improve the quality of critical business decisions by providing knowledge workers with real-time, contextual information from multiple sources in a single, personalized view. Assemble composite rich Internet applications (RIAs) that deliver superior flexibility, ease of use, and performance.

Improve user productivity

LiveCycle Mosaic ES2 lets organizations deliver intuitive, highly productive user-centric applications that provide complete context to business users in their daily work. Developers can extend existing enterprise applications by exposing their business logic and user interfaces into application "tiles." Tiles are context-aware UI application components that can be assembled to create unified views that best suit the user's work habits and specific needs. Users no longer need to sign into multiple applications or drill down through each of them separately, saving time and effort.

Less training is required for new employees, because LiveCycle Mosaic provides an intuitive experience, eliminating the need to learn the different features and navigation systems of each underlying source system. The new UI gives users only what they need from the back-end systems. Because LiveCycle Mosaic maintains a persistent state, any changes made by the users, such as customizing the layout, creating new views, or drilling down into information, are retained, so users don't need to repeat the same steps every time they return to the application.

Make better informed decisions

Mosaic tiles can be easily designed to be context-aware, so when the user makes a selection or updates an entry in a tile, other tiles sharing the same context are automatically refreshed. For example, a procurement manager can use a procurement application that contains tiles for current inventory levels, product specifications, vendor information, and standard documents such as contracts and forms. The inventory tile displays a dashboard alerting the manager that a part is running low. When the manager clicks on the part, the other tiles in the view are immediately refreshed to show additional data about the part, such as detailed specifications from the PLM system, current or pending product changes, and lists of appropriate or preferred suppliers. By having all this information in one view, the manager can easily select the correct suppliers and kick off the Request for Quote process to source it.

Mosaic also supports role-based access, so others who need this information, such as the supplier manager, shop floor supervisor, management team, and even external vendors, can access and interact with the same tiles in views customized for them.

Accelerate application development

Mosaic uses a composition approach to enable developers to build applications faster. Instead of building a large monolithic application, developers can easily create application component tiles that expose business logic from existing Flex® and HTML applications, extending the return on existing investments. Developers can work more effectively as a team by creating and testing different tiles in parallel and later assembling them into an application. Tiles can also be stored in the Mosaic Catalog for sharing with others or for reuse in future projects.

Using tiles also simplifies ongoing maintenance because, unlike with current monolithic applications, developers can update and roll out one application component at a time instead of having to redeploy and retest the whole application.

Mosaic includes out-of-the-box skins, shells, and layout managers to help developers quickly create a variety of intuitive interfaces. They can also use their own skins, shells, and customized layout managers to brand the applications with their own look and feel.

Simplify integration with core business systems

Extend your current investments by integrating application tiles with your existing business logic and infrastructure using LiveCycle Data Services ES2. The open adapter architecture enables connection with Spring, JMS, Hibernate, EJB, and other data persistence mechanisms. Backed by a powerful data management API and connectors, LiveCycle Data Services simplifies client-server data communication challenges from multiple sources, including collaborative content shared across application tiles in real time.

Adobe LiveCycle Mosaic ES2 features

Componentize applications

Mosaic makes it easy for developers to create reusable application tiles by updating existing Flex and HTML code or by creating brand new tiles.

Design custom shells

Design application shells, including menu and shortcut bars, in a variety of layouts. You can also create multiple shells for different use cases—for example, one for employee self-service and another for a trading desktop.

Make tiles communicate

Design tiles to communicate with each other through either shared context variables or a publish and subscribe messaging model by just writing a few lines of code that invoke the Mosaic runtime APIs, which are available in both Adobe ActionScript® and JavaScript.

Share and reuse application elements

Developers store tiles, shells, views, panels, style sheets, graphics, and context in the Mosaic Catalog so others can reuse them in their own projects, speeding application development.

Manage users and assign role-based access

Mosaic comes with user management capabilities allowing administrators to maintain a database of all users and groups, which can be synchronized with one or more third-party user directories. These capabilities provide authentication and authorization and can also integrate with existing Single Sign On (SSO) providers to ensure Mosaic applications participate in the company's SSO solutions.

Empower end users

Business users access Mosaic using a browser-based client or a desktop client based on Adobe AIR®. They can add, delete, and rearrange tiles to customize their views and create and save new ones that retain a persistent state.

Improve responsiveness

Because communication between tiles is done on the client, Mosaic applications can serve up data faster and reduce the load on back-end servers.

Simplify integration with enterprise applications and processes

Using LiveCycle Data Services ES2, developers can easily connect Mosaic tiles with existing enterprise systems. And with the full suite of LiveCycle ES2 modules, Mosaic applications can be designed to enable users to participate in, drive, or manage end-to-end business processes.

System requirements

Adobe LiveCycle ES2 supports market-leading operating systems, web application servers, and databases. For product-specific platform support and system requirements, visit www.adobe.com/products/livecycle/systemreqs.html.

The screenshot displays the Finance Corporation Mosaic application interface. At the top, the Finance Corporation logo is on the left, and the user is logged in as Andy Tanaka on Sep. 2, 2009. The main content area is divided into several panels:

- Select a Client:** A table listing clients with their names and work phone numbers. John Jacobs is selected.
- Pending Applications:** A pie chart showing application status: overdue (red), today (blue), and next day (green). A bar chart below indicates 46 applications to review today.
- Connect to Agent:** A profile picture of Rye Woodward with a 'Go' button and a note: '*Must be online to use it'.
- Application Details:** A comprehensive view for John Jacobs, including:
 - Fundamentals:** Age 42, Medical History Good, Dependents 4.
 - Client Information:** Name John Jacobs, Address 2974 Garden Ln., San Jose, CA 95125, Phone 774-656-8787, Email jjacobs@yahoo.com.
 - Details:** Height 6', Weight 150 lbs, BMI 20.
 - About client coverage:** Proposal Number jmv234567AT897LGL, Type Whole Life, Disability \$100,000, Death \$500,000.
 - Risk Assessment:** A gauge showing a 'Good' rating with a monthly premium of \$124.56.
 - Modifications:** Radio buttons for 'accepted as is', 'accepted as modified', and 'declined'. A link for 'Additional documents...' is present.
 - Buttons:** 'Submit' and 'Print & Deliver'.

With this Mosaic application, an insurance underwriter can see the entire risk profile for a potential customer to decide whether to approve the request for coverage.

For more information

Product details: www.adobe.com/products/livecycle/mosaic



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