

EspressReport® ES

The **POWER** of Interactive Information

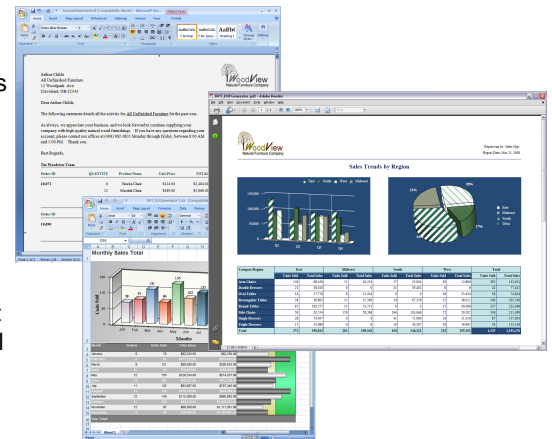
Powerful Enterprise Information Presentation and Delivery

EspressReport® Enterprise Server (ERES) provides a powerful, centralized reporting architecture that leverages the functionality of EspressReport's pure Java reporting engine and extends it to the enterprise. With built-in report delivery capabilities, end-to-end user/data security, advanced ad-hoc query and analysis features, and scalable pure Java architecture, ERES empowers business users provides a formidable alternative to legacy large-scale business intelligence (BI) implementations, and application specific, toolkit based reporting solutions.

Flexible Java Reporting

EspressReport ES inherits its key functionality from EspressReport which contains all the advanced features that enterprise users demand in charts and reports. Reports can be generated in highly formatted DHTML, print quality PDF, Excel spreadsheets, Rich Text files, and XML and CSV data dumps. Layout options allow reports to be constructed with multiple tables, and support built-in interactive drill-down capabilities. Advanced scripting/formula features allow users to embed custom logic directly into report templates.

Users can generate over 30 different two-dimensional and three-dimensional chart types, plus many different combination/composite charts can be created. Powerful analysis features include trending, normal curves, and control lines/areas. Charts and graphs can be embedded within reports, or deployed on their own.

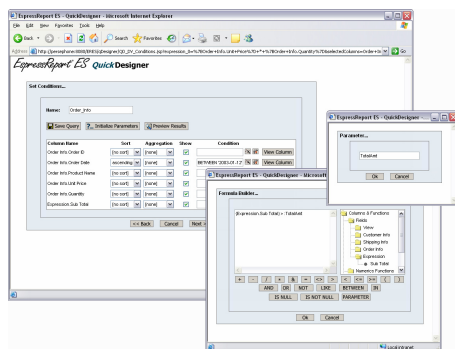


Interactive Maps

Google maps and SVG maps are supported for visualization of report data. While Google maps are geographical maps, SVG maps can be geographical maps as well as representation of other spatial data such as floorplans and seating plans. Interactive features include drill-down and tool-tip reports/charts.

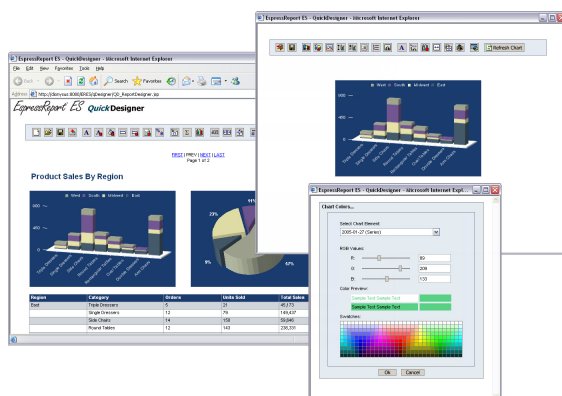
Enterprise Data Source Integration

EspressReport ES provides interfaces to manage and retrieve report data from across the enterprise. User's can directly query databases with full SQL control. Data can be retrieved from Java classes, EJBs, or using connection pools to leverage application model infrastructure. Data returned in XML format either via SOAP or file can also be queried. Reports can be constructed using multiple data sources, and extensive parameterization features allow data to be dynamically filtered.



Ad-Hoc Query and Analysis

EspressReport ES supports ad-hoc query and reporting through a zero-client browser interface. The data view interface shields users from database complexity, by allowing administrators to pre-define tables, joins, fields, and even filters creating in effect a local schema. End-users can then select (typically aliased) fields, and perform ordering, sorting, filtering, and aggregation without any knowledge of the underlying database structures. The query result can then be quickly turned into a finished report. The simple point-and-click interface allows business users to handle many of their own reporting requirements. Reports created can be saved and published immediately.



Advanced Scheduling and Archiving

Schedule can be based on date/time interval, days of week, days of month and daily frequency. Multiple reports/charts can be packaged in a task. Delivery mechanisms include emailing, FTP and printing. Reports with parameters can be delivered to different users based on selected parameter values. Report bursting features allow large scheduled reports to be automatically sectioned based on grouped data and delivered separately to different users/groups. Archiving/versioning features make it easy for users to save and review historical reports.

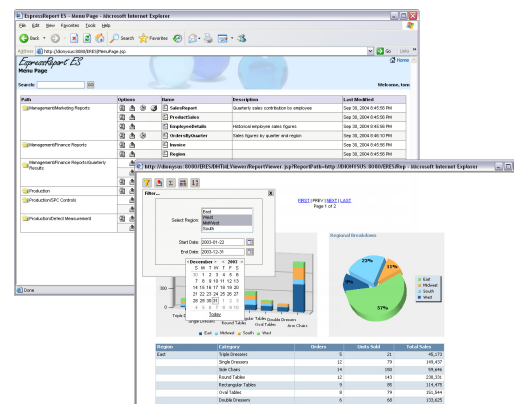
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Many Publishing Options

EspressReport ES provides a reporting portal for end users. This customizable JSTL/HTML interface allows users to run reports in a variety of formats. In addition, users can view reports generated by schedule jobs, or run archived/versioned reports. Any reports in the central repository are automatically published to the portal, and security roles are enforced throughout. Reports can be viewed using the interactive DHTML viewer. This thin client interface allows users to dynamically filter, sort, and group data in the report using a small toolbar at the top of the report.

For more advanced publishing and integration, EspressReport ES provides an extensive Java API that allows reports to be integrated within Web applications. Using simple deployment code users can easily create custom portals and presentations as part of their applications.



Self-Service Dashboards

EspressReport ES makes it easy to create compelling dashboard presentations. Using any of the charts and reports deployed in the system, users can put together key pieces of pertinent information and display them in a single page, creating a quick snapshot of the data that is most important to them. Common filters, and drill-down can be applied to all dashboard elements, allowing users to quickly “dial-in” to specific ranges of data or drill into figures for more detailed information.

The integrated Dashboard Builder interface, provides all the tools users need to create presentation quality dashboards in a simple thin-client, drag-and-drop/point-and-click environment.

End to End Security Management

EspressReport ES provides a powerful security framework to handle user/group privileges, full data source control, as well as report page and element level security. ERES binds privileges to report developers using an ownership model that allows security to be enforced automatically as reporting implementations grow and change.

Beyond privileges, security features can be extended to report templates as well as ad-hoc reporting. Templates can be configured to have specific report elements or data columns change depending on which user/group is viewing the report. In addition role-based security can be applied during ad-hoc reporting as well as running report templates such that only authorized data will be visible to the user.

Complete UI Customization And Internationalization Support

Customization tool is included to allow blending of EspressReport ES into existing web applications and portals, resulting in consistent look and feel. ERES by default supports all international characters using UTF-8 encoding. The entire UI can be configured for different languages.

Scalable Architecture

EspressReport ES is designed to leverage users' existing infrastructure investments. It deploys completely within Java EE application environments, with no separate server-side application processes. ERES can be deployed in a clustered environment allowing it to scale to high-availability deployments with thousands of users. Connection buffering, and virtual memory paging features allow even very large reports to run without taxing system resources.

Most server functions can be administered remotely, using a browser-based interface. This allows administrators to manage users/groups, and configure the server from anywhere using only a Web browser.

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