Rich Internet applications framework transforms business intelligence applications

Extracting actionable intelligence from complex enterprise data is critical for organizations seeking a basis for better decision-making and competitive advantage. Government agencies and corporations may use powerful business intelligence (BI) tools to provide reports and analysis. But often legacy and siloed systems make it difficult to present comprehensive, enterprise-level views or to easily interact with data. What’s needed is a rich, intuitive framework that helps users analyze and visualize data while supporting organizations’ needs to reduce costs, leverage existing IT investments, and increase self-service capabilities.

Challenge
In many enterprise computing environments, reporting and decision support are hampered by multiple BI silos and poor user experiences. Generating enterprise-level reports is difficult because data stores as well as BI tools are not integrated. In addition, slow response times as well as inconsistent and unintuitive interfaces hinder broad user adoption and decrease the possibilities for self-service. Although the majority of users need relatively basic reporting capabilities, they must interact with cumbersome tools to find the information they need. Getting a data "snapshot" may take so many requests and steps that it is outdated once received, hampering the ability of leaders to make informed decisions. Lastly, tools are not able to scale cost-effectively or easily incorporate transactional capabilities.
Solution

The Roundarch BI Dashboard provides an efficient and intuitive rich Internet application (RIA) front end to enterprise data. The solution applies to any industry with BI needs—from military computing environments to banking, HR, logistics, and others. It consolidates common reporting services into a single enterprise framework and makes information from multiple systems accessible through one intuitive user interface. Robust data visualization and reporting tools allow users to quickly and intuitively interact with data, customize views, save reports and history, and more. Interactive, map-based views assist with inventory tracking, and the ability to set alerts allows for tighter inventory control. Decision makers can access real-time snapshots and easily drill down for additional information. Business rules help with analysis, resulting in fewer errors. In addition, the RIA framework can grow from reporting to transactional capabilities and easily integrate offline and mobile access.

Results

The Roundarch solution significantly improves organizations’ mission-critical applications and business intelligence capabilities. By decreasing reliance on BI tools, it allows enterprises to decommission legacy systems, potentially saving millions of dollars in annual maintenance costs. The graphical web interface dramatically increases usage by up to 25 times more, depending on the user community, and improves productivity. By consolidating hundreds of views into one enterprise view, the RIA framework reduces the time required to prepare a briefing from weeks to hours and provides the ability to drill down to the status of an individual asset within three clicks. Thanks to reusable components, the solution can bring new capabilities online with less development time, easily expanding to additional user communities as well as processes, assets, and applications.

Ultimately, the Roundarch BI Dashboard helps provide the most complete BI information quickly and easily for better decision-making.

Solution benefits

• Reduce reliance on legacy and BI systems, saving potentially millions of dollars per year
• Increase response times from minutes to less than two seconds
• Decrease time required to prepare briefings from weeks to hours
• Increase adoption and usage by up to 25 times or more
• Enable users to be more productive through self-service
• Reduce the rate of analysis errors through built-in business rules
• Accelerate application development and quickly deploy new functionality with reusable components

Products used:
• Adobe® AIR®
• Flex
• Adobe LiveCycle®

For more information

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