Oracle Forms Modernization

Modernize and mobilize your Oracle Forms Applications with Sencha Ext JS.

Organizations are increasingly looking to modernize and mobilize Oracle Forms applications. Sencha can help teams take advantage of the latest advancements in web technology with Ext JS, and transform their Oracle Forms applications into modern, cross-platform web applications without rewriting code or discarding existing application investments. Ext JS is the industry's most complete MVC/MVVM JavaScript framework for building feature-rich, data-intensive, cross-platform web applications.

Using the Sencha solution, the time and effort required to modernize an Oracle Forms application into a web application is dramatically reduced from weeks or months to days because of the automated form conversion, retention of business logic, and easy connection to any back-end system.

Service Overview

The automated forms converter is a key component of the modernization service. It transforms the Oracle Forms application into Ext JS application source files in minutes. The conversion engine is a Servlet/JSP application deployed on Tomcat, with MySQL database to store configuration and temporary data for each conversion run. The converter transforms the form into XML and interprets it to build all of the elements required for the web application including live data grids, buttons and handler code, forms with inputs, radio buttons, checkboxes and date pickers, and the supporting business logic. The converter can also generate data models and Oracle PL/SQL code to perform data queries, inserts, and updates on the database.

Once the forms have been converted, Sencha Professional Services customizes the visual elements of the application to fit any specified design requirements. Sophisticated UI components can also be added to the application to help visualize and analyze complex data sets. Development productivity boosting tools including plugins for all of the major IDEs, and Sencha Inspector for application debugging, can also be added to make it easier and faster for teams to make future application updates.

Key Features of Ext JS

By migrating legacy Oracle Forms applications to Ext JS, organizations can leverage the most comprehensive JavaScript framework. Key features of Ext JS include:

Back-end Agnostic Data Package

A robust data package decouples the UI components from the data layer. The data package allows client-side collection of data using highly functional models that enable features such as sorting and filtering. It is protocol agnostic and can access data from any back-end source. As a gold-level Oracle PartnerNetwork member, Sencha offers out-of-the-box integration with Oracle Mobile Cloud Services, so teams can take advantage of enterprise security, push notifications, authentication, data storage, diagnostics, and analytics.

Advanced Charting Package

The Ext JS charting package lets developers visualize data with a broad range of chart types including line, bar, and pie charts. The charts use surfaces and sprites developed with a drawing package—that is implemented using SVG, VML, and Canvas—to handle browser variations. Charts has support for touch gestures on mobile devices, including pan, zoom, and pinch.

Analytics via Sencha Pivot Grid

Pivot Grid enables developers to quickly and easily add powerful analytics functionality to Ext JS applications—allowing users to summarize and analyze data and make more informed decisions. Users can discover critical insights from massive sets of data—helping them to harness the power of big data.

Expert Support and Services

The Sencha Services team has proven expertise in delivering high-quality, sophisticated web applications to market leaders. In addition to Oracle Forms modernization, the team can help with legacy application mobilization and modernization, architecture reviews, code reviews, application development and test projects, UI design, custom component development, and more.

Staff Augmentation

Sencha also offers a resident engineer program for companies that need additional assistance with web application development efforts. The resident engineer can establish a long-term web application architecture standard, and then assist with design, development, deployment, and support. These services can be delivered either on-site or remotely.

Professional Support

Sencha offers worldwide training, services, technical support, and maintenance. Our comprehensive training helps developers get up to speed fast. Technical support and maintenance provides free upgrades to the next major release, early access to custom bug fixes, Premium Forum access, nightly development builds, remote troubleshooting, and access to Sencha Support Engineers to resolve any issues quickly.

Oracle Forms Modernization Benefits

- Converted Oracle Forms apps are flexible modern web applications that can be deployed in the cloud or on premise

- Ext JS web applications have an improved user experience and are easier to maintain and update

- Time and effort to modernize an Oracle Forms app into a web application is dramatically reduced from weeks or months to days

Browser Compatibility

Ext JS supports all major web browsers including:

Desktop (PCs & Laptops)	Mobile (Tablets & Smartphones)
• Internet Explorer 8+ • Microsoft Edge • Chrome • Firefox • Safari 6+	• IE10+ on Windows Phone 8+ • Chrome / Stock Browser on Android 4+ • Safari on iOS6+

About Sencha Services

For more information about Sencha services, including technical support, professional services, and training, visit us at www.sencha.com/services.

About Sencha

More than 10,000 customers and 60% of the Fortune 100 rely on Sencha to deliver innovative applications that drive their business. The Sencha Web Application Lifecycle Management Platform uses the power of modern web technology to empower the enterprise to seamlessly design, develop, and test cross-platform web applications that deliver the right end user experience on the right screen at the right time. Organizations are using the Sencha Platform to improve productivity and accelerate every stage of the web application development lifecycle. Visit us at www.sencha.com.