

Sencha Ext JS

The most comprehensive JavaScript framework for building feature-rich cross-platform web applications.



Product Overview

Business requirements for web applications are growing increasingly complex, and too often the timeline for delivery is “as soon as possible.” Yet development resources are often constrained, leaving many organizations looking for ways to do more with less.

Ext JS is the industry’s most complete MVC/MVVM JavaScript framework for building feature-rich cross-platform web applications. It delivers a powerful, unified set of tools to simplify and accelerate the app development process for desktops, tablets, and smartphones.

Ext JS makes developers more efficient, helping them to develop better apps faster. Teams are empowered to execute projects on time and on budget — while at the same time delivering a superior end-user experience. The framework integrates with the Sencha platform for comprehensive lifecycle management of web applications.

Key Features

High-Performance Customizable UI Widgets

Ext JS delivers the industry’s most comprehensive collection of feature-rich, customizable UI widgets — including grids, trees, lists, forms, menus, toolbars, panels, windows, and much more. Several extensions are also available from the Sencha community.

Back-end Agnostic Data Package

A robust data package decouples the UI widgets 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.

Layout Manager and Responsive Configurations

A flexible layout manager helps to organize the display of data and content across multiple browsers, devices, and screen sizes.

It helps developers to control the display of components, even for the most complex user interfaces.

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 implemented using SVG, VML, and Canvas to handle browser variations. Charts support touch gestures on mobile devices, including pan, zoom, and pinch.

Customizable Themes

Ext JS widgets are available in multiple out-of-the-box themes that are consistent across platforms. Themes can be easily customized to reflect a specific brand identity.

Accessibility Package (ARIA) for Section 508 Compliance

The ARIA Package lets you add accessibility support to your applications by providing tools for achieving Section 508 Compliance. Developers can create apps that are usable by people who need assistive technologies to navigate the web.

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 to make more informed decisions. Users can discover critical insights from massive sets of data — helping them to harness the power of big data.

Sencha Tools

Sencha Cmd

Cmd provides a full set of lifecycle management features such as scaffolding, code minification, code minification, production build generation and more to complement your Sencha projects.

Sencha IDE Plugins

JetBrains IDE Plugin integrates Sencha frameworks into IntelliJ, WebStorm, and PhpStorm IDEs. This tool increases developer productivity by enabling features such as code completion, code inspection, code navigation, code generation, code refactoring, template creation, and spell-checking.

Sencha Inspector

Inspector is a debugging tool that provides direct access to components, classes, objects and more for apps built using Sencha frameworks. It lets you analyze your code for issues and to improve application performance.

Purchasing Options

| | Standard | Pro | Premium |
|------------------------------------------|----------|-----|---------|
| Ext JS (HTML5/JavaScript Framework) | ✓ | ✓ | ✓ |
| Cmd (Build Optimization Tool) | ✓ | ✓ | ✓ |
| Stencils (Design Kit) | ✓ | ✓ | ✓ |
| App Templates (Starter Apps) | ✓ | ✓ | ✓ |
| 1 Year of Maintenance and Support | ✓ | ✓ | ✓ |
| JetBrains IDE Plugin (Productivity Tool) | | ✓ | ✓ |
| Pivot Grid (Data Analytics) | | | ✓ |
| Inspector (Debugging Tool) | | | ✓ |

Expert Support and Services

Ext JS is backed by expert services and support, ensuring that developers get maximum value from Sencha products. Comprehensive training enables developers get up to speed fast, and support services help to resolve any issues as quickly as possible.

Benefits

- Streamlines cross-platform development across desktops, tablets, and smartphones — for both modern and legacy browsers
- Delivers a single codebase for building applications across all devices — without the need to integrate any third-party library or component
- Increases the productivity of development teams by integrating into enterprise development environments via IDE plugins
- Reduces the cost of web application development
- Empowers teams to create apps with a compelling user experience

Browser Compatibility

Ext JS supports all major web browsers including:

| Desktop (PCs & Laptops) | Mobile (Tablets & Smartphones) |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none">• Internet Explorer 8+• Microsoft Edge• Chrome• Firefox• Safari 6+ | <ul style="list-style-type: none">• IE10+ on Windows Phone 8+• Chrome / Stock Browser on Android 4+• Safari on iOS6+ |

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, deploy and manage 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.

