

# Sencha Ext JS

The most comprehensive JavaScript framework for building data-intensive cross-platform web applications.

## Product Overview

Ext JS provides everything a developer needs to develop data-intensive web applications. It delivers a powerful, unified set of pre-tested and integrated components and tools to simplify and accelerate the web app development process. The framework integrates with the Sencha platform for comprehensive lifecycle management of web applications.

## Key Features

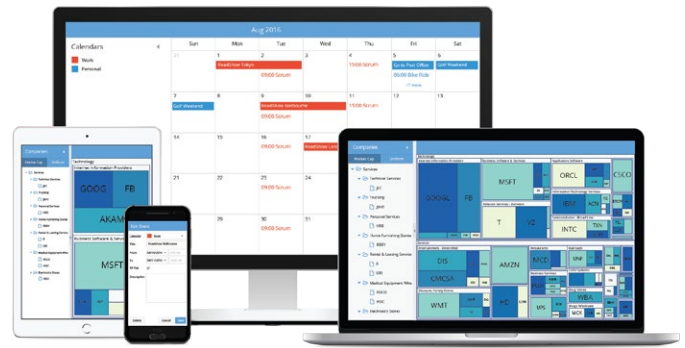
### High-Performance Customizable UI Components

Ext JS delivers the industry's most comprehensive collection of feature-rich, customizable UI components – including calendar, grids, trees, lists, forms, menus, toolbars, panels, windows, and much more.

### Visualization and Analysis of Complex Data Sets

Ext JS delivers numerous capabilities to help organizations visualize and analyze complex data sets including:

- **D3 Adapter** enables developers to add sophisticated D3 visualizations including heatmaps, treemaps, and sunbursts to their applications.
- **Advanced Charting Package** lets developers visualize data with a broad range of chart types. The charts use surfaces and sprites developed with a drawing package implemented using SVG, VML, and Canvas to handle browser variations.
- **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.
- **Grid** enables organizations to handle millions of records and provides out-of-the-box functionality such as sorting, grouping, column locking, and summary rows.
- **Data Explorer** enables users to export data from the standard grid or Pivot Grid to a wide variety of common formats for additional analysis and information sharing.



### Back-end Agnostic Data Package

A robust data package decouples the UI components from the data layer. The data package 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.

### Customizable Themes

Ext JS components 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 developers add accessibility support to their applications by providing tools for achieving Section 508 Compliance.

## Sencha Tools

### Cmd

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

### Plugins

Sencha plugins provide advanced code generation and code completion functionalities within the most popular IDEs including Eclipse, Visual Studio, and JetBrains, as well as Visual Studio Code.

## Architect

Architect enables developers to quickly create new cross-platform Ext JS applications for mobile devices and modern browsers on the desktop. Using drag and drop features, developers spend less time on manual coding, helping organizations accelerate the time to market of their applications.

## Themer

Themer empowers developers to style Ext JS 6 applications and make them look great. Create custom themes using graphical tools – without writing code.

## Browser Compatibility

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

## Benefits

- Provides everything a developer needs to build data-intensive, cross-platform web applications
- Streamlines cross-platform development for both modern and legacy browsers
- Provides a common use model and coding style across components to simplify ongoing web app maintenance
- Increases the productivity of development teams through a rich set of web application tools

## 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.

## Inspector

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

## Purchasing Options

	Standard	Pro	Premium
Ext JS (HTML5/JavaScript Framework)	✓	✓	✓
Cmd (Build Optimization Tool)	✓	✓	✓
Ext JS Stencils (Design Kit)	✓	✓	✓
1 Year of Maintenance & Support	✓	✓	✓
Visual Studio Code Plugin (Productivity Tool)	✓	✓	✓
IDE Plugins (Productivity Tools – JetBrains, Visual Studio, Eclipse)		✓	✓
Architect (Visual App Builder)		✓	✓
Themer (Styling Tool)		✓	✓
Inspector (Debugging Tool)			✓
D3 Adapter (Data Visualization)			✓
Pivot Grid (Data Analytics)			✓
Calendar (Event Management)			✓
Exporter (Data Export)			✓

## 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](http://www.sencha.com).

