



What's new in Sencha

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Ext JS

Ext JS 6.5.3

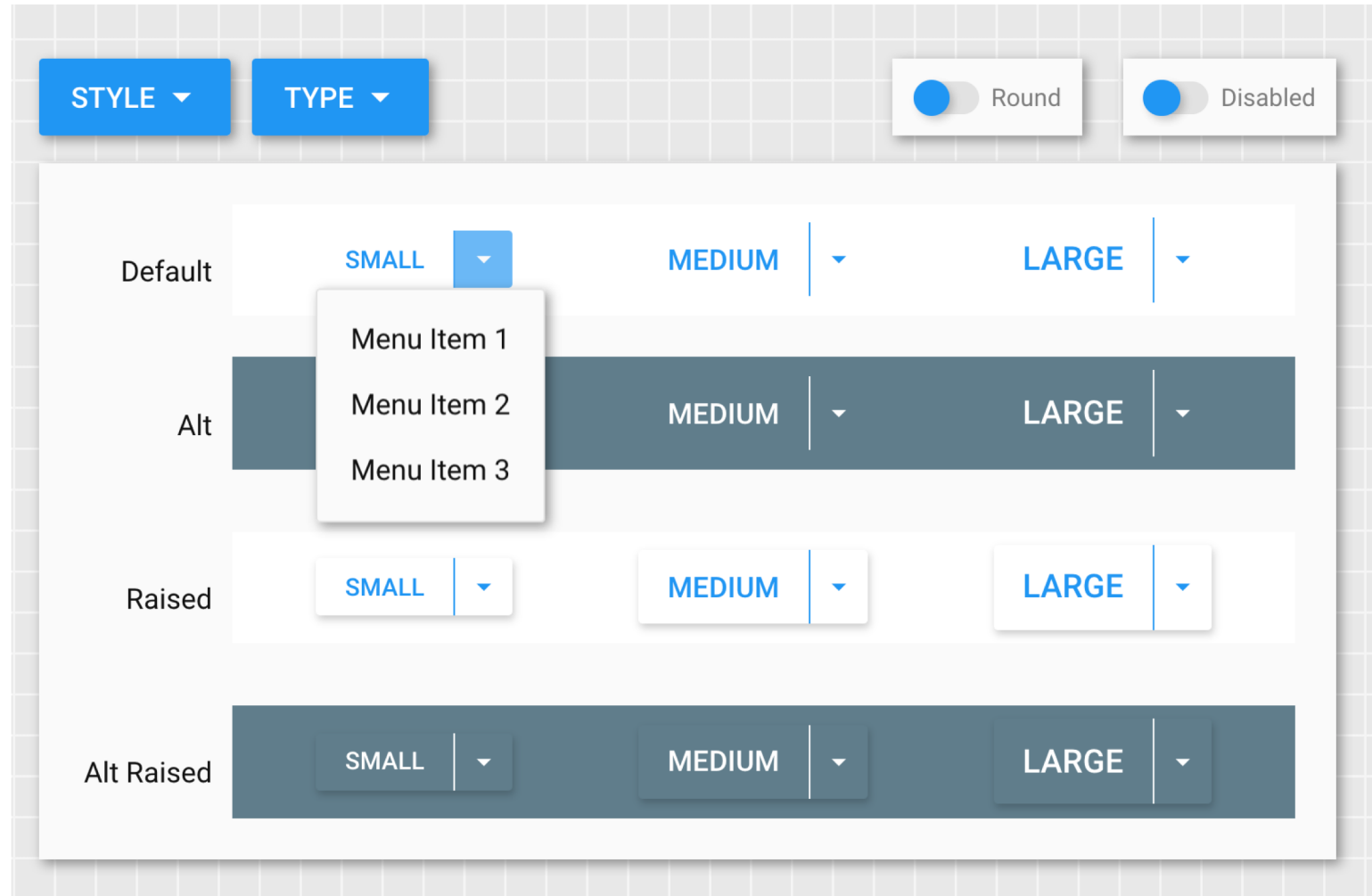
Ext JS 6.6

Ext JS 6.7

Modern Toolkit Components

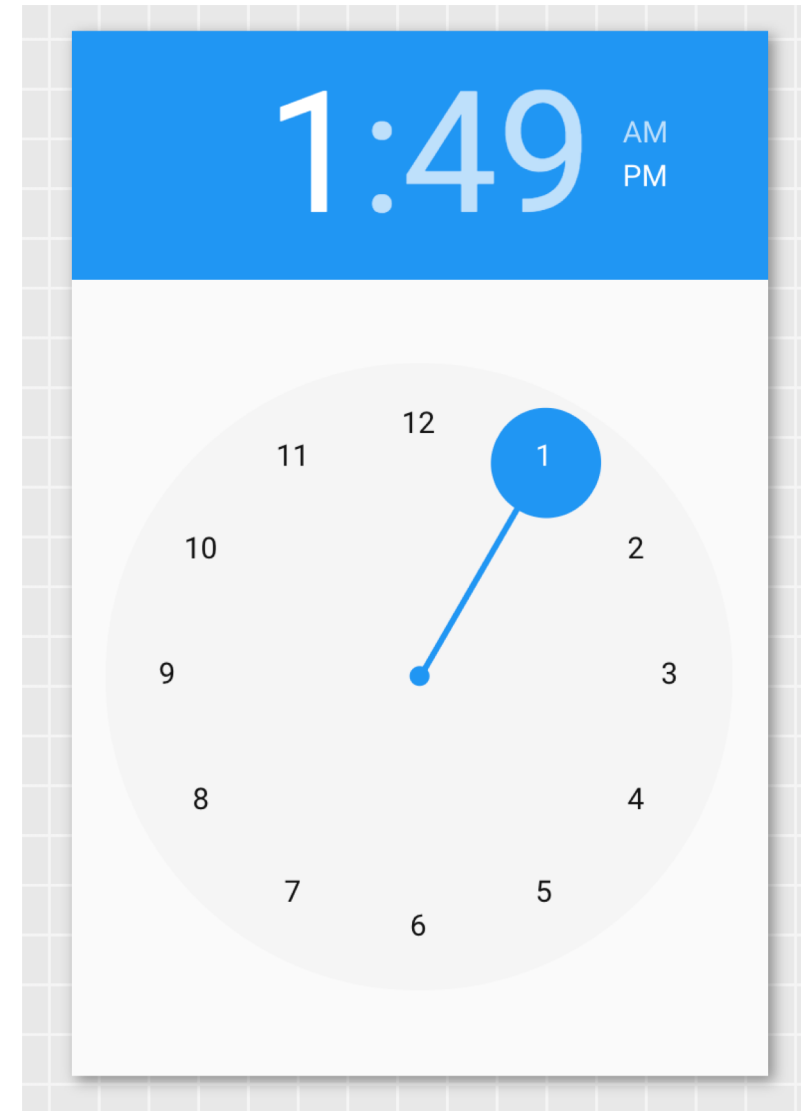
SplitButton

- Material
- iOS
- Triton
- Neptune themes



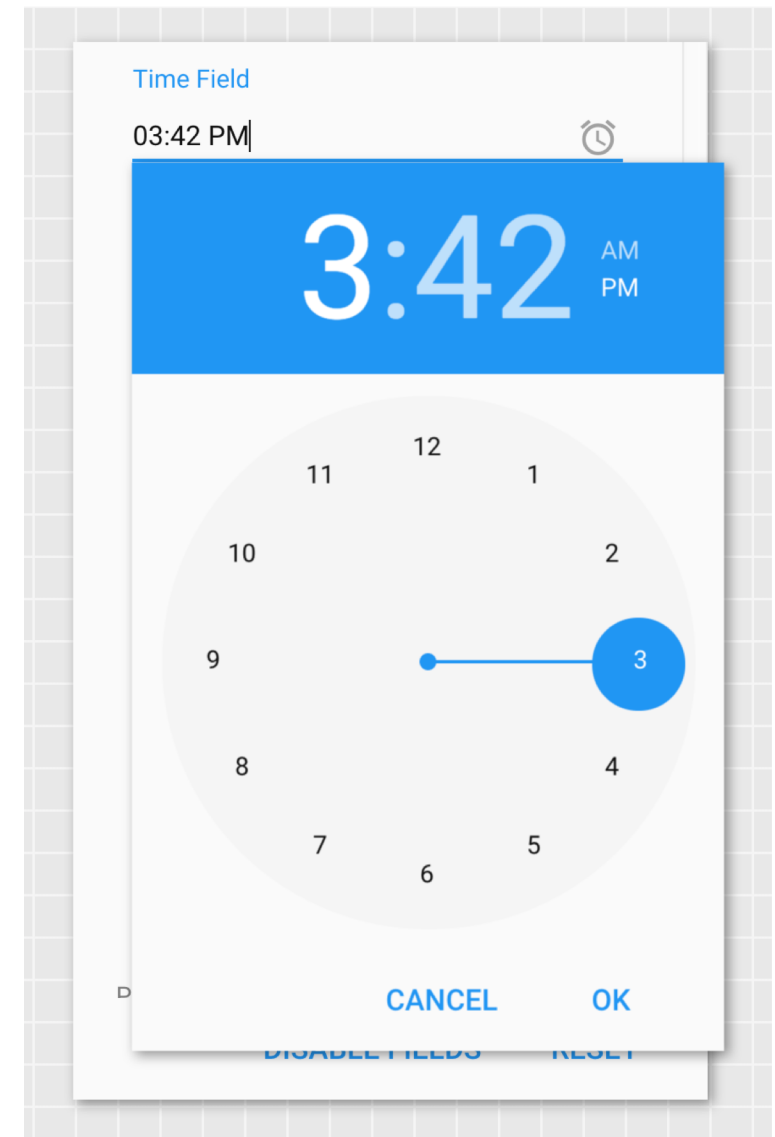
Time Panel

- Easily set time using analog clock face
- Supported on desktops, tablets and iOS and Android devices
- Repositions header based on device orientation



Time Field

- Field component that can be used in any input form
- Validation of time data in multiple time format and chosen locale
- Can be used standalone or with time panel
- Themeable



Grid Filtering

- Grid column filter menu to enable and disable column filtering
- Grid Filters
 - Text
 - Boolean
 - Date
 - Number

Grid Filters							
FILTER							
	Id	Name	Date of Birth	Notice Peri...	Holidays	Visible	
1	335141	Alex Tokarev	28-02-1983	<div>↑ Sort Ascending ↓ Sort Descending Columns <input checked="" type="checkbox"/> Filter Group by this field <input type="checkbox"/> Show in groups</div>		True	
2	662167	Alex Tokarev	24-04-1965			False	
3	770013	Alex Gerbasi	09-07-1988			False	
4	572562	Alex Teodorescu	30-03-1978				Before 03/17/2019
5	201416	Alex Guerrant	17-09-1971				After
6	144031	Alex Brocato	21-08-1986				On
7	437323	Alex Krohe	07-08-1968	2 weeks	10		
8	542622	Alex Gerbasi	30-03-1968	1 month	2		
9	762433	Alex Trimboli	13-11-1973	2 weeks	2	True	
10	320371	Alex Krohe	23-03-1981	2 weeks	4	False	
11	472351	Alex White	07-04-1962	2 weeks	6	False	

Grid Locking

- Lock grid columns on the left region or right region
- Grid column menu to show locked status

Company	Price		% Change	Last Updated	Change
Roodel	\$59.47	✓ ✗	2.07%	03/25/2019	1.23
Voomm	\$41.31	✓ ✗	6.39%	03/25/2019	2.64
Dabvine	\$29.94	✓ ✗	11.86%	03/25/2019	3.55
Twitterbeat	\$89.96	✓ ✗	-4.25%	03/25/2019	-3.82
Lajo	\$65.51	✓ ✗	2.26%	03/25/2019	1.48
Livetube	\$52.34	✓ ✗	1.74%	03/25/2019	0.91
Flipstorm	\$41.81	✓ ✗	-3.78%	03/25/2019	-1.58
Oloo	\$53.27	✓ ✗	3.87%	03/25/2019	2.06
Roombo	\$21.53	✓ ✗	-1.75%	03/25/2019	-4.04


Material Chip


- Compact material Chip that allows
 - Entering information
 - Making selection
 - Filtering content
 - Triggering actions
- Provide container with thumbnail and text


Email


Compose


To

 Rina Hohn (rina@example.com) ×

 Martin Patlan (martin@example.com) ×

 Angelo Aden (angelo@example.com) ×

 Derrick Curtsinger (derrick@example.com) ×

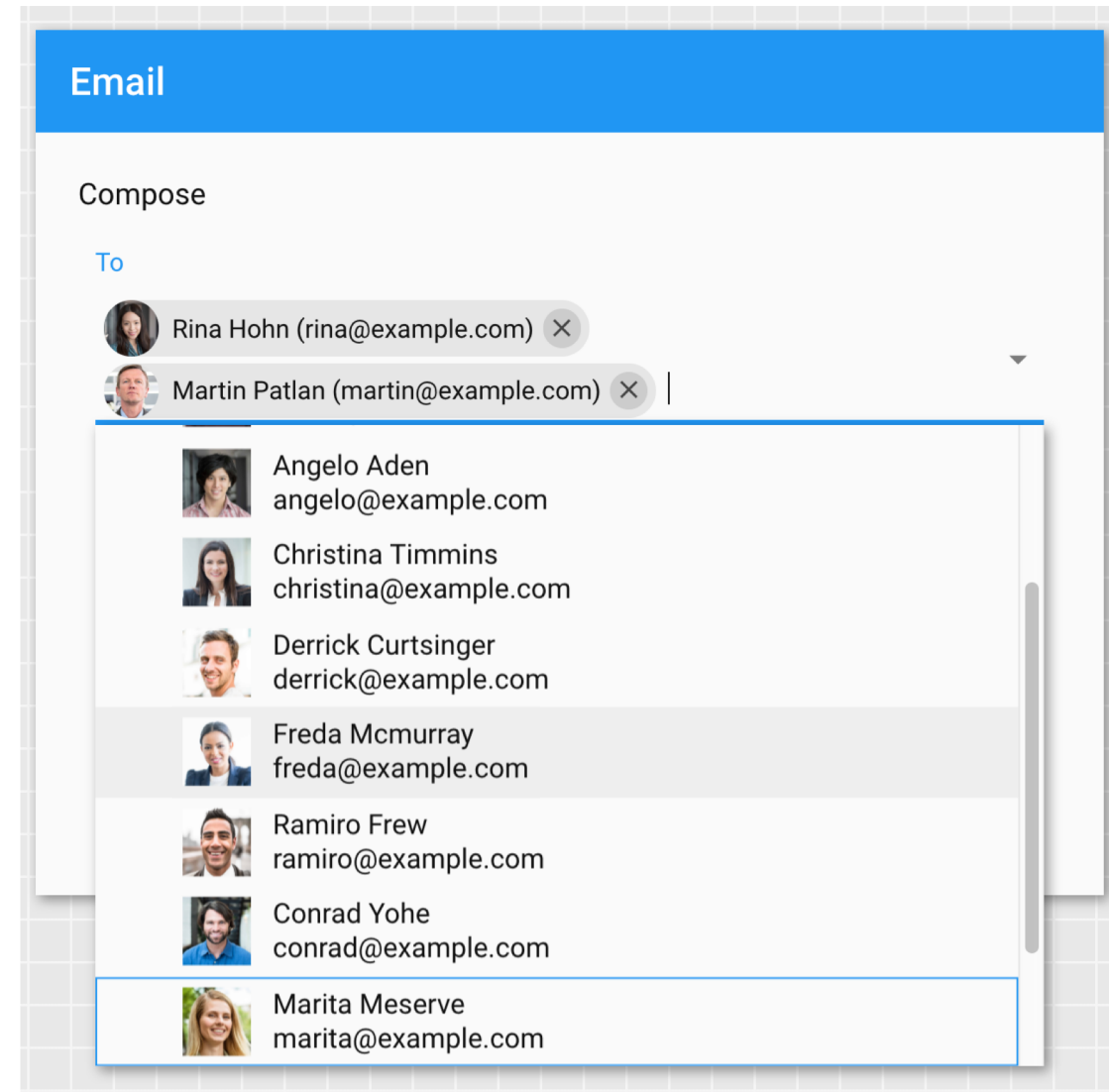
 Conrad Yohe (conrad@example.com) ×

Subject

SEND

MultiSelect Combobox

- Multiple selection of values in the combobox
- Specify platform config to change chip look on mobile
- Supported keyboard navigation



Multiselect Select Field

- Multiple selection of values in Select field
- Specify platform config to change chip look on mobile
- Supported keyboard navigation

Register

First Name

Last Name

- ☒ ExtJS
- ☐ Javascript
- ☒ CSS
- ☐ Git
- ☒ Java
- ☒ PHP
- ☐ COBOL
- ☐ Node.js

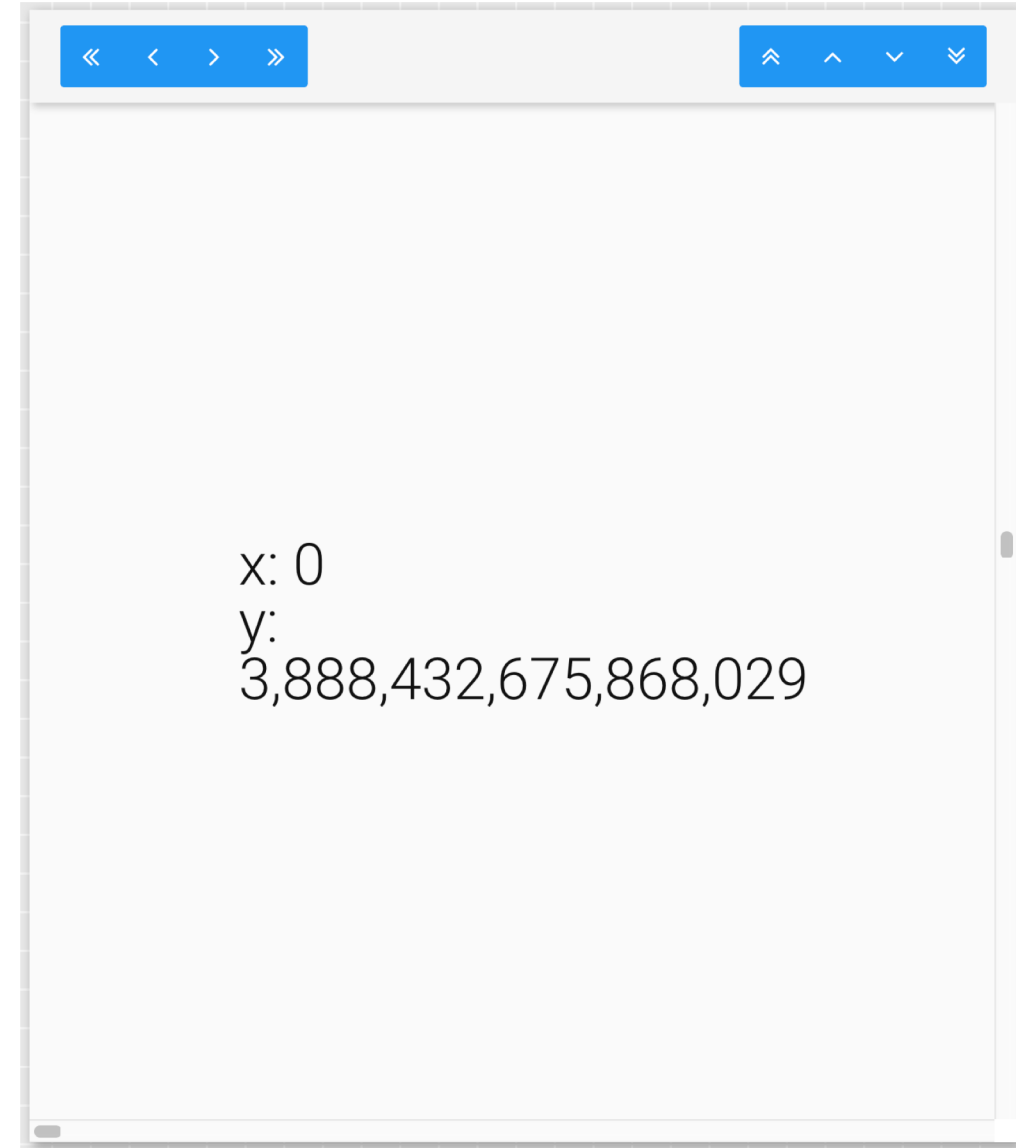
Java X PHP X ExtJS X CSS X X

Profile pic [BROWSE...](#)

[REGISTER](#)

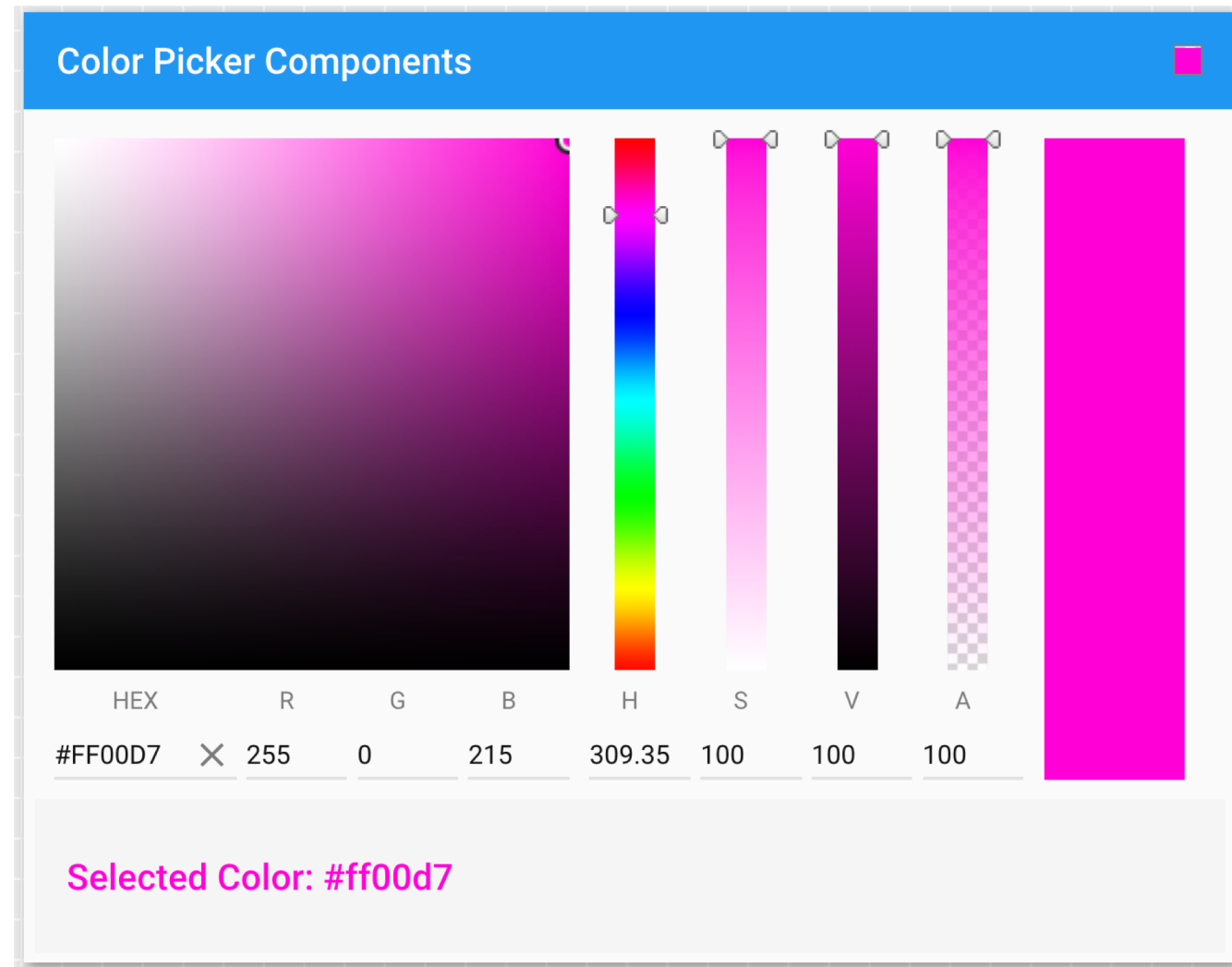
Virtual Scroller

- Infinite Grid and Infinite List uses virtual scrolling by default
- Allows for number of rows beyond browser's normal scroll range



Color Picker

- Color Palette using HSVA, RGB
- Multiple ways of using Color Palette
 - Color Button
 - Color Field
 - Color Selector
- Simpler version for mobile



Localization

- Localize your app to support non-English languages
- Support for German, Italian, French, Spanish, Portuguese
- Easy to extend the localization to support additional languages

```
"builds": {  
  "desktop": {  
    "toolkit": "modern",  
    "theme": "theme-material",  
    "locale": "de"  
  }  
},
```

Dynamic styling using Material Theme

- Live update your app with custom color combination
- No need of server or Sencha Cmd
- Based on CSS variables

```
Ext.theme.Material.setColors({  
    'darkMode': darkMode,  
    'base': baseColor,  
    'accent': accentColor  
});
```

Classic Toolkit Improvements

Graphite Theme

- New high-contrast theme to make apps easier for visually impaired users to view
- Flat minimalist imageless based on Triton design
- Color, fonts and padding support accessibility guidelines

Editable Big Data Grid

Export to ...

Both Toolkits

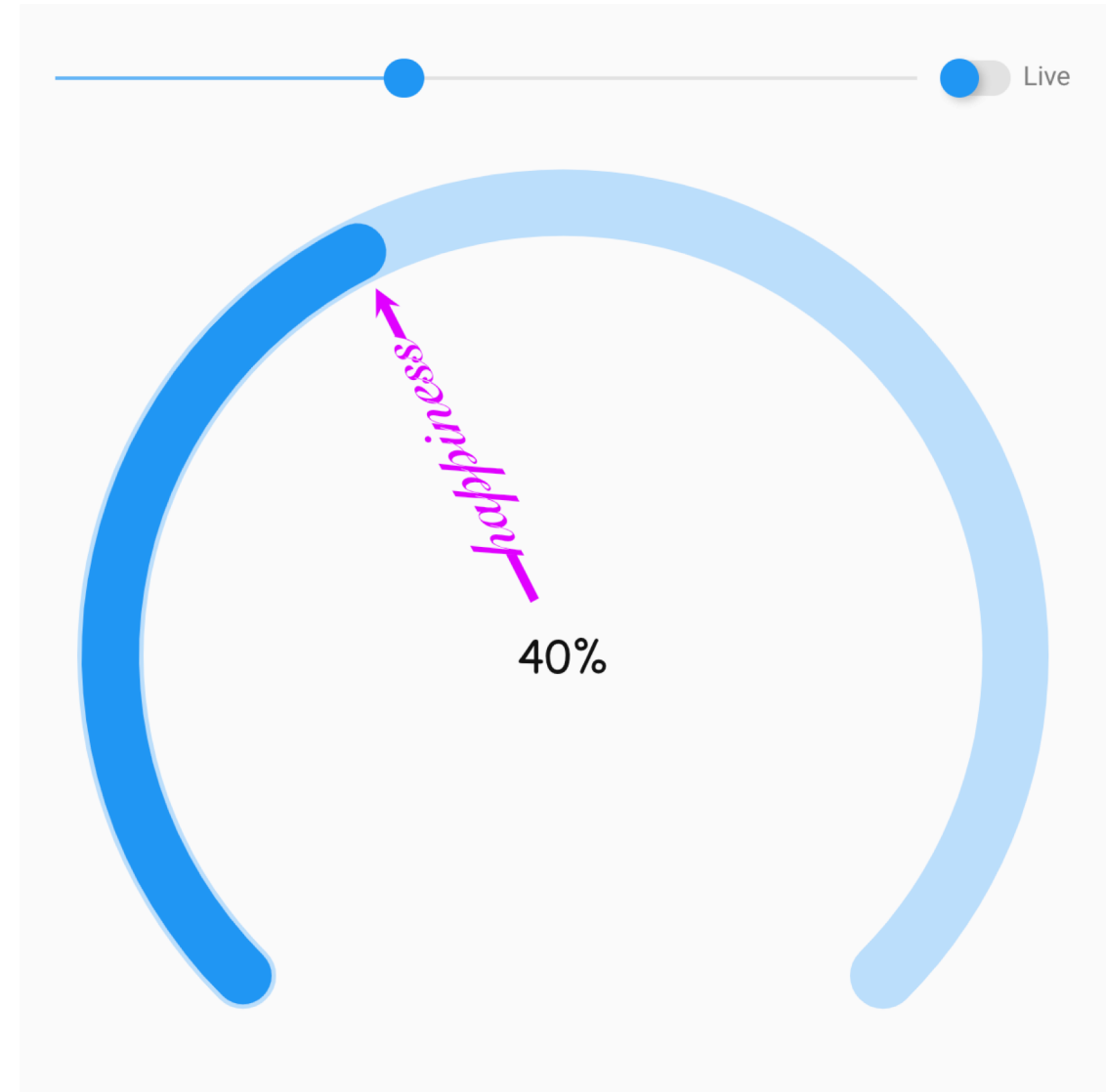
Advanced App Routing

- Manage application state with browser navigation
- Names parameters in application routes
- Create routes that disconnect after initial use

```
routes : {  
  'user/{id:num}' : {  
    before : 'onBeforeRoute',  
    exit : 'onExit',  
    action : 'onRoute'  
  },  
  
  'foo' : 'onFoo'  
}
```

Gauges Component

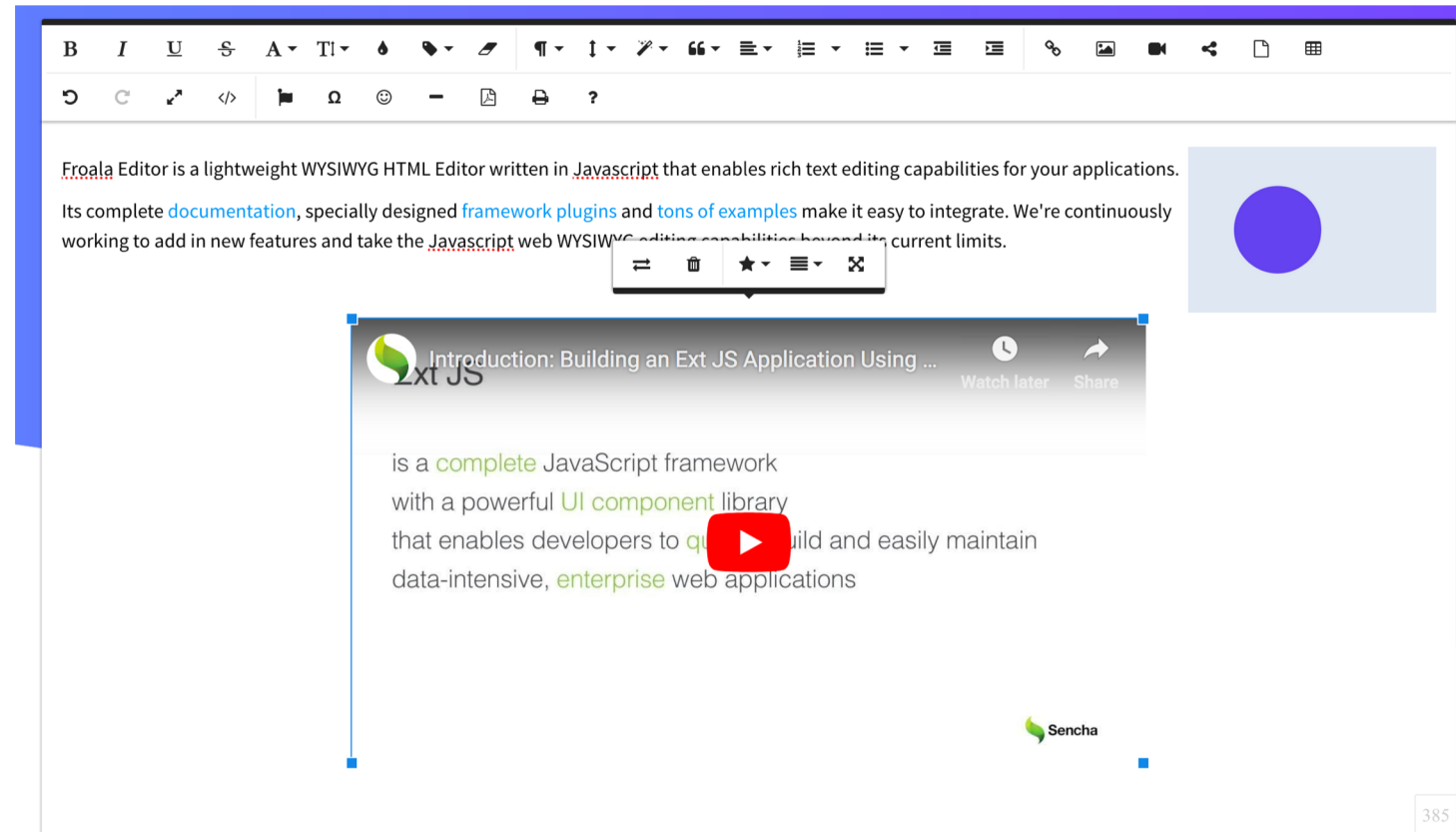
- Use pre-built custom gauges and needles
- Customize needle and gauges as per your own specification
- Supported for both modern and classic applications



Froala Editor

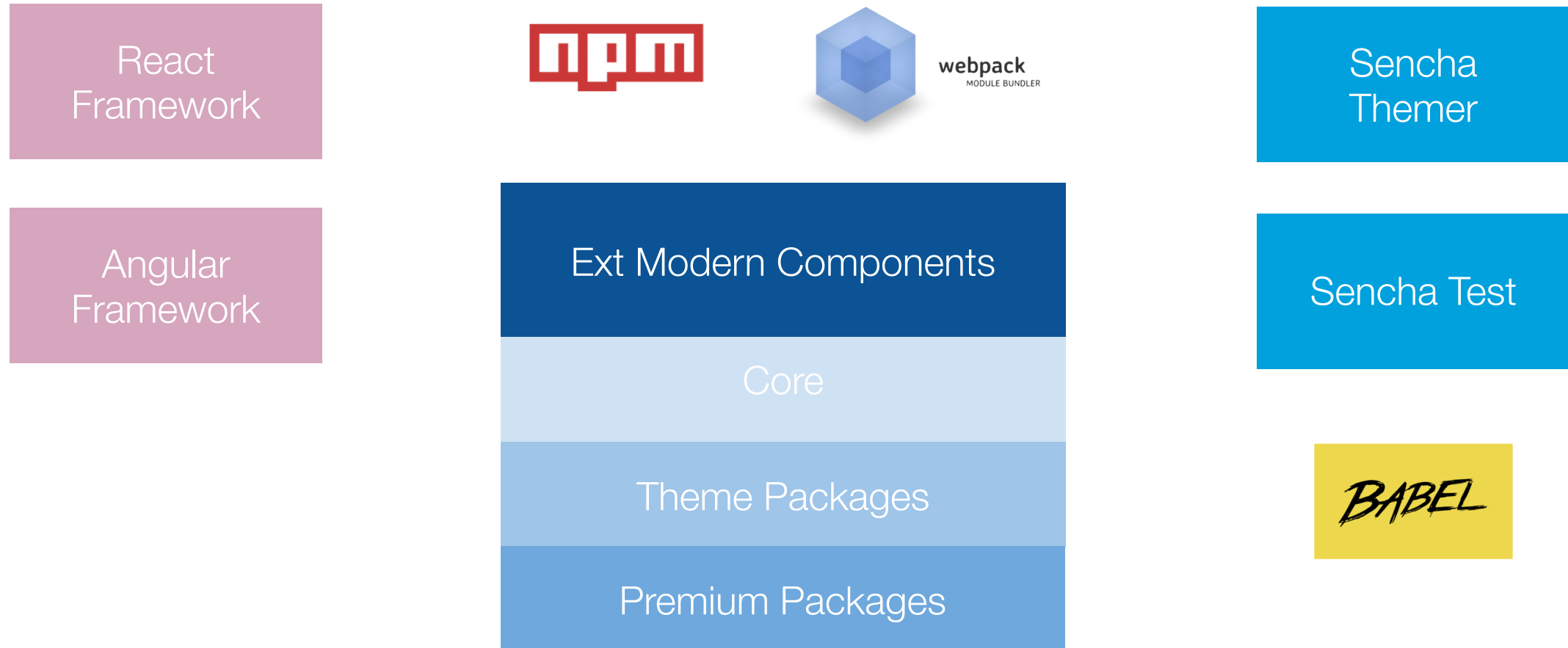
Froala HTML Editor

- Advanced feature set
- Powerful API
- Detailed documentation
- Easy customization
- Easy theming



ExtReact & ExtAngular

ExtReact & ExtAngular Architecture



Sencha Tooling

NPM Tooling

NPM Packages

- Ext JS Framework, components and themes available as NPM Packages
- Better manage versioning with NPM based dependency management
- Sencha hosted private NPM repository to give you access to latest releases
- Automated activations to easily convert from trial to production framework



webpack
MODULE BUNDLER

Classic
Toolkit

Modern
Toolkit

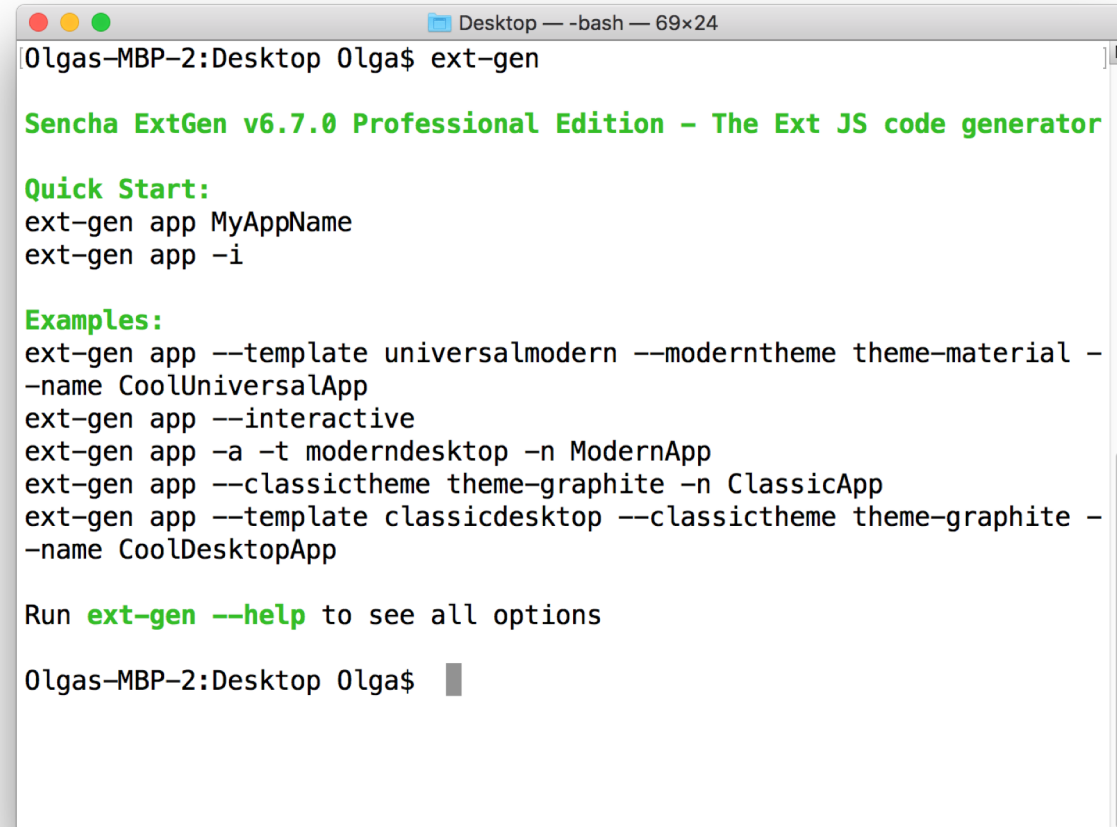
Core Packages

Theme Packages

Premium Packages

ExtGen

- Generate your first app with just one command
- Use any of four new app templates to create desktop, mobile or cross-platform apps
- Interactive mode to guide you through application creation mode
- Watch immediately changes to code in live running app



```
Olga-MBP-2:Desktop Olga$ ext-gen

Sencha ExtGen v6.7.0 Professional Edition - The Ext JS code generator

Quick Start:
ext-gen app MyAppName
ext-gen app -i

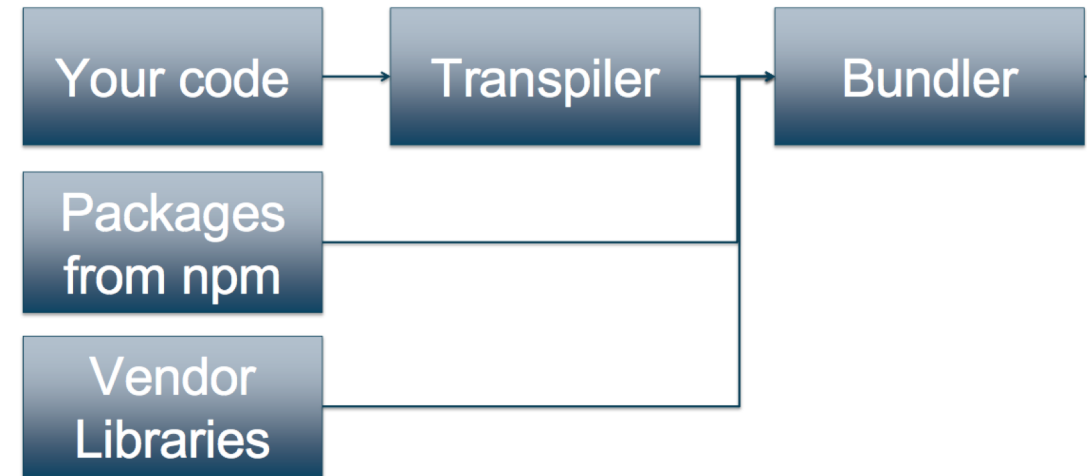
Examples:
ext-gen app --template universalmodern --moderntheme theme-material -
-name CoolUniversalApp
ext-gen app --interactive
ext-gen app -a -t moderndesktop -n ModernApp
ext-gen app --classictheme theme-graphite -n ClassicApp
ext-gen app --template classicdesktop --classictheme theme-graphite -
-name CoolDesktopApp

Run ext-gen --help to see all options

Olga-MBP-2:Desktop Olga$
```


ExtBuild

- Node based lightweight Tool
- Simplifies building complex web apps with multiple dependencies
- Effortless compilation, transpilation, and bundling
- Backward compatibility with Sencha Cmd



Sencha CMD

Sencha CMD

- Upgraded closure compiler
- Multiple configuration options to
 - Enable/ Disable transpiler
 - Add/Remove Polyfills
 - Control over compression options

```
"language": {  
  "js": {  
    "input": "ES8",  
    "output": "ES5"  
  }  
}
```

```
"compressor": {  
  "polyfills": "auto",  
  "type": "closure",  
  "compression": "advanced"  
}
```

IDE Plugins

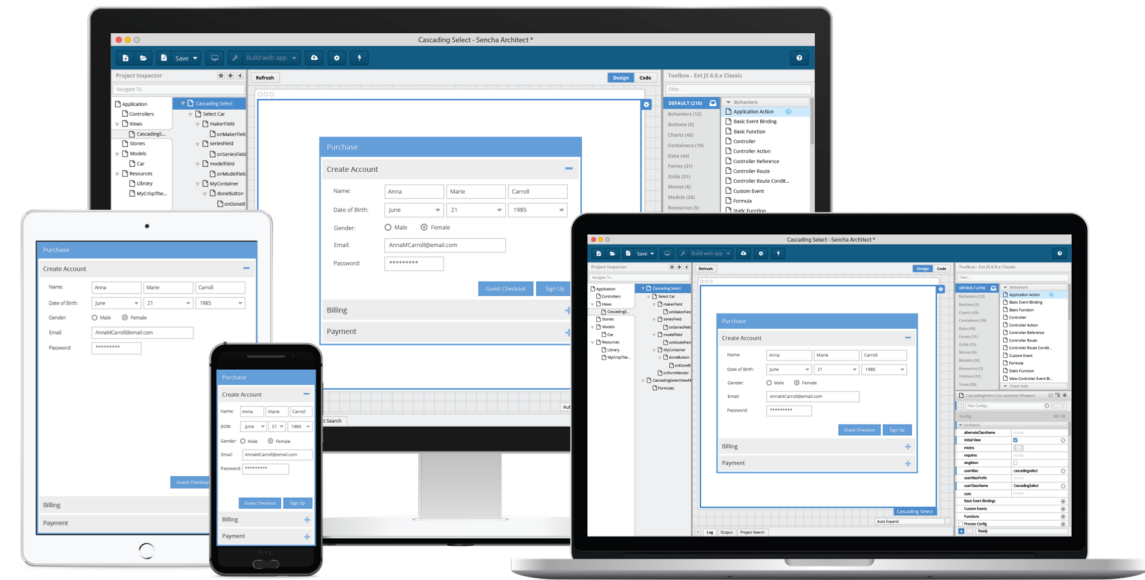
IDE Plugins

- JetBrains plugin supports IDE 2018, 2017.2
- Eclipse plugin supports Photon, Oxygen, Neon
- Visual Studio plugin supports Visual Studio 2017

Visual Tooling

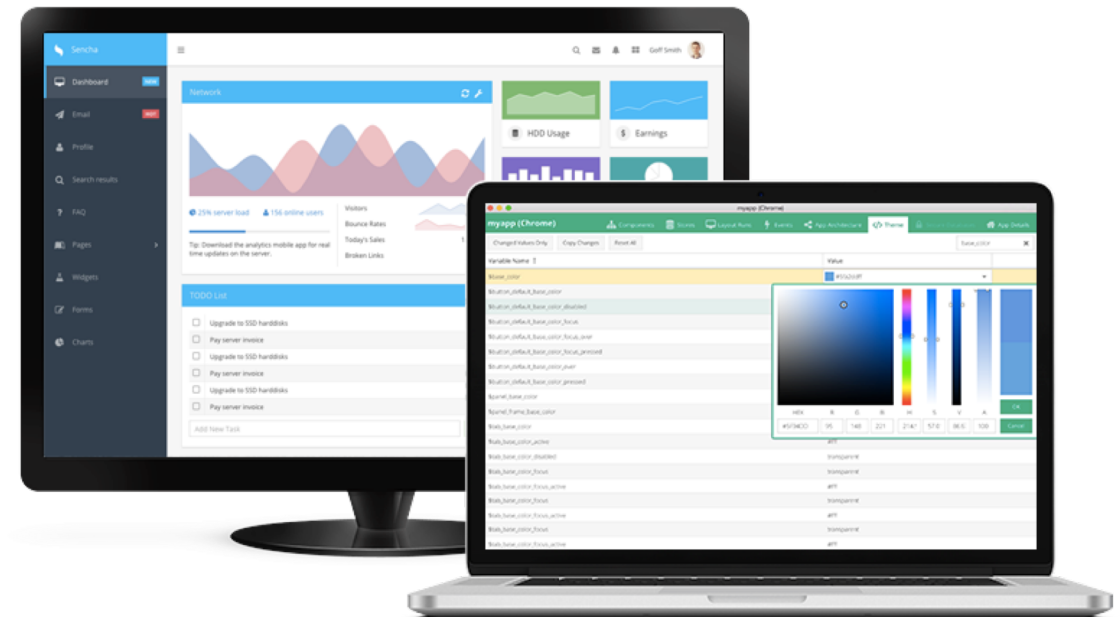
Sencha Themer & Architect

- New versions of Sencha Architect & Sencha Themer
- Support for the latest versions of Ext JS and new UI components



Sencha Inspector

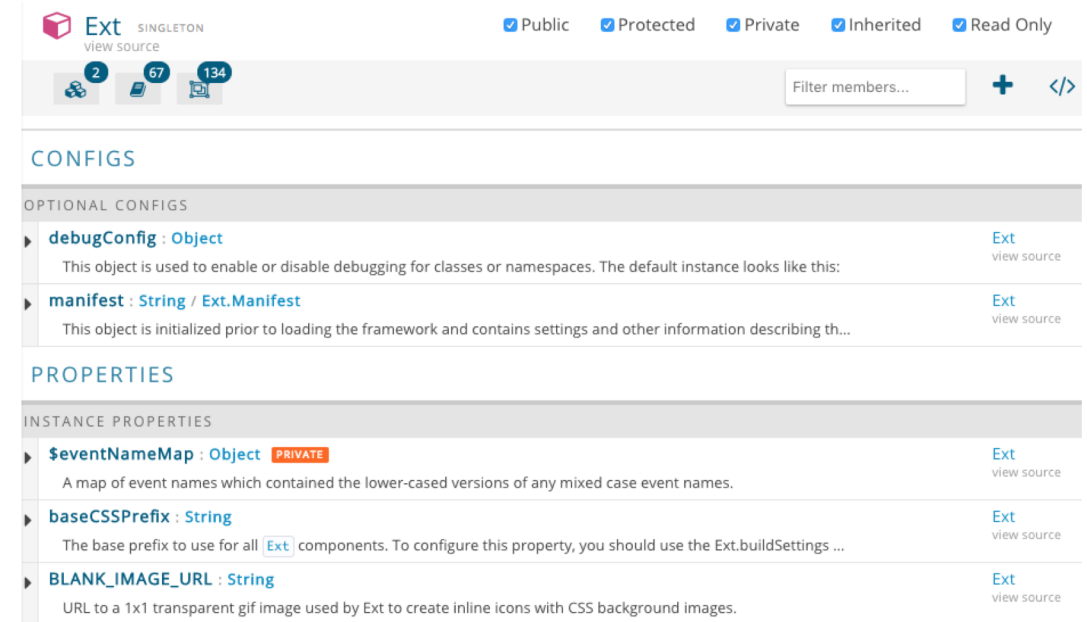
- Inspect
 - Component Tree
 - Data Stores
 - Layouts
 - Events
 - MVC/MVVM
 - Theme
- Lookup docs



Documentation Tooling

EA to Documentation Tooling

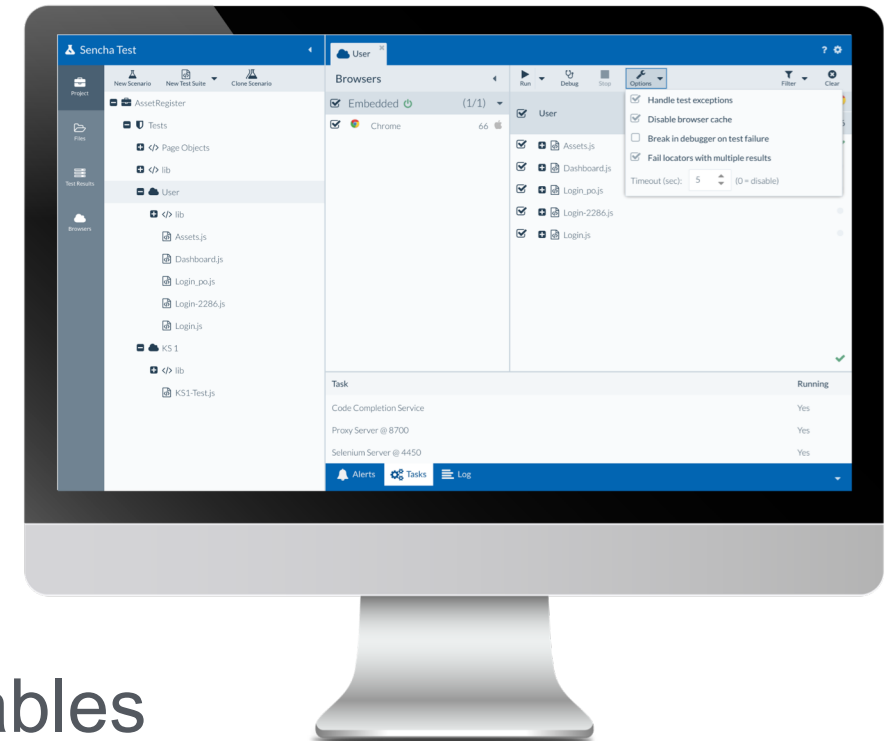
- Create your own docs in 2 steps:
 - Doxi - source parser that rips through code and exports JSON files, available with Sencha Cmd
 - Node processor that iterates through the JSON to output HTML



Sencha Test

What's New in Sencha Test 2.2

- 200+ enhancements
- New and improved documentation
- Support for ExtReact apps
- Inspect the DOM tree
- Page Objects
- Enhanced Event Recorder
- Code tree view for test suites
- New Futures APIs for Slider and HTML tables
- End-to-end testing of non-Sencha web apps



Upgrade Advisor

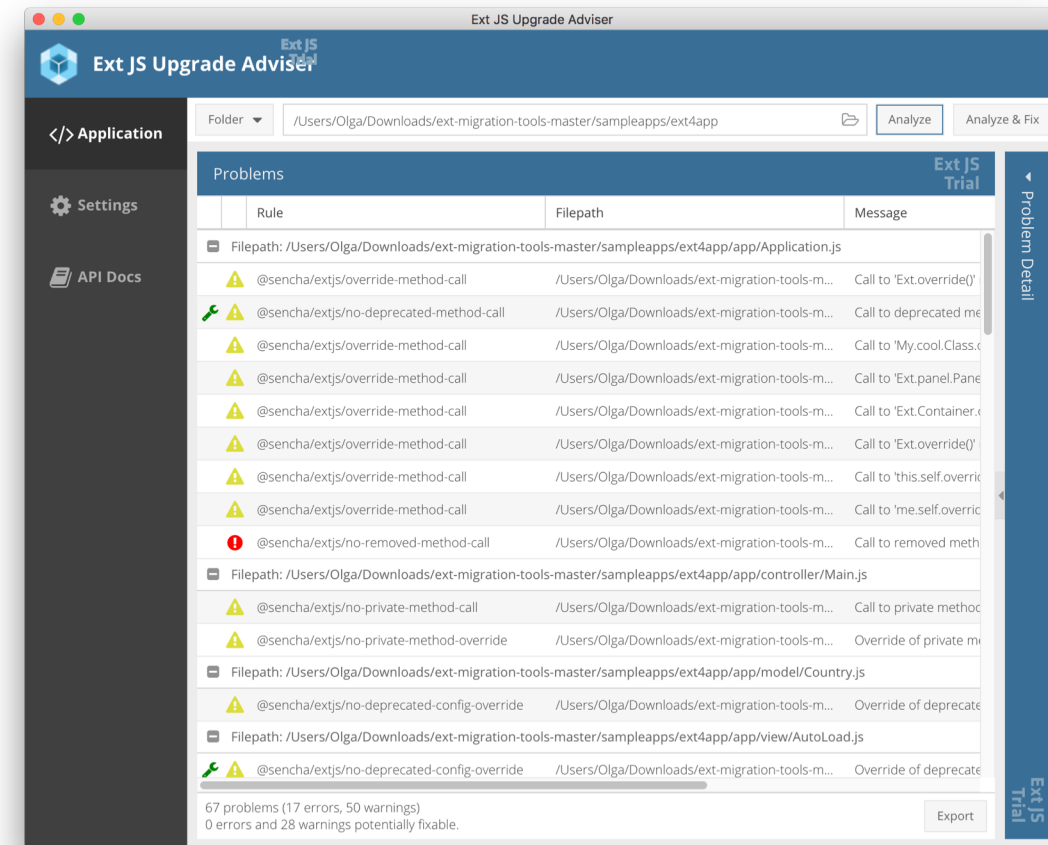
ESLint - linting utility for JavaScript

- Static code analysis
- Some recommended rules
- Possible to add any rules
- Plugins for all major libraries/frameworks



Ext JS Upgrade Advisor

- Classes/properties/methods/events that have being renamed or removed
- Details about every particular case
- Configurable: errors vs warnings
- Automatic fixes when possible
- Extendable
 - Best practices
 - Migration from Classic to Modern
 - Company rules



Sencha's Roadmap

Modern Toolkit

- Grid Drag & Drop
- Desktop-style Grid Row Editor
- Grid Collapsible Group
- Tree Drag & Drop
- Accordion Layout
- CheckboxGroup & RadioGroup
- Toolbar Breadcrumb
- Localization for 10 more languages
- Accessibility support
- Dashboard Component
- Froala Component

Classic Toolkit

- Material Theme
- Support for CSS Variables
- Dashboard Component Improvements

ExtComponents

ECMAScript 6 Classes

Thank you!

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