

Oracle JavaScript Extension Toolkit (JET)



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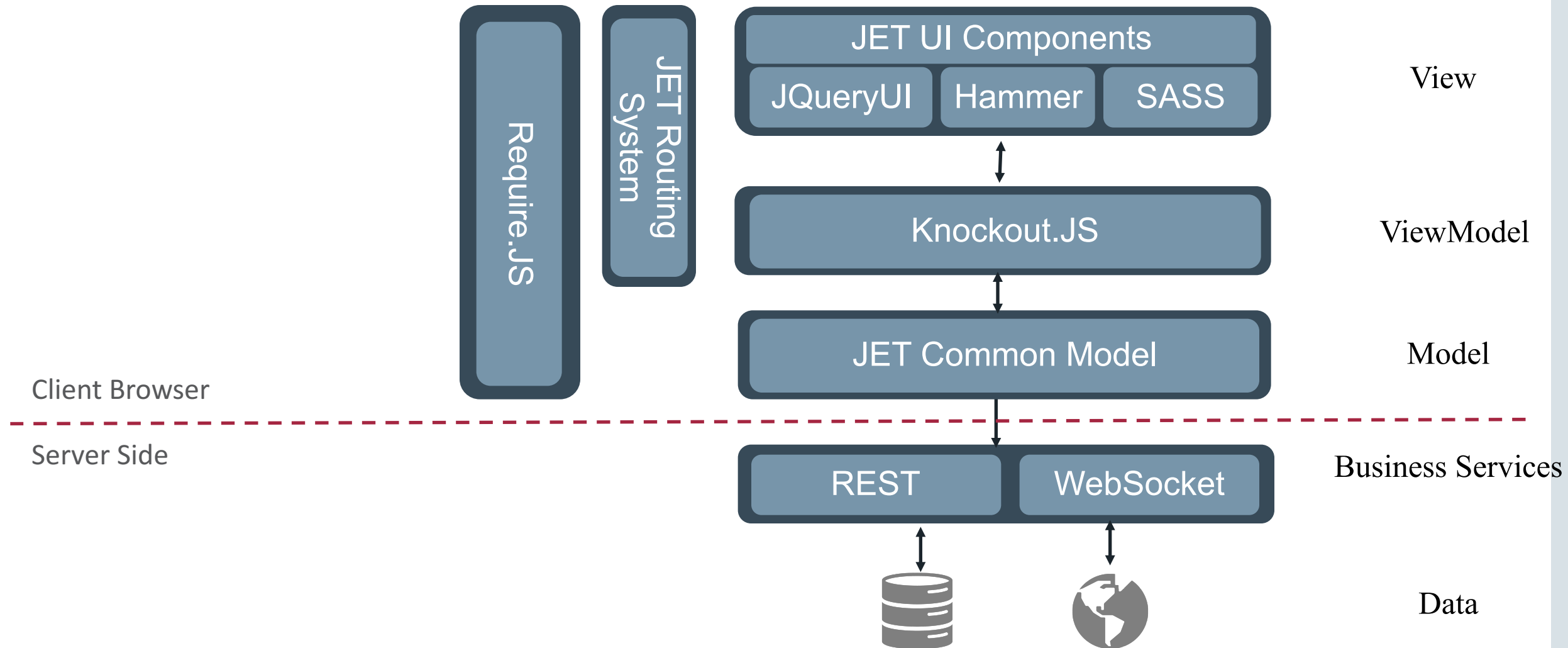
Oracle JET

Oracle JET is targeted at intermediate to advanced JavaScript developers working on client-side applications. It's a collection of open source JavaScript libraries along with a set of Oracle contributed JavaScript libraries that make it as simple and efficient as possible to build applications that consume and interact with Oracle products and services, specifically Oracle Cloud services.

Open Source Libraries



Oracle JET Architecture



Oracle JET - Value Proposition

- **Enterprise ready** - built-in accessibility, security, internationalization
- **Rich components set** - including data visualization
- **Advance routing** - for single page applications
- **Common model** – for simplified data binding with web services
- **Built-in responsive UI** - at both the CSS and JS level
- **Fully Open-Source** - leverage existing skills and community knowledge
- **Modular architecture** – use what you need, lightweight and fast
- **Optimized for Oracle customers** – Supports Oracle Alta UI and Oracle REST

Oracle JET – Modular Framework for Different Use Cases

Minimal Consumer

Has existing page
Wants to add some interactive
functionality

In-between Consumer

Has existing app
Wants tighter integration with
other Oracle services

Full stack Consumer

Starting dev on new Cloud app
Wants a complete, out-of-the-box
solution



Classic JQuery UI component use case

- Just wants high value components
- No impact on behavior of rest of page
- Components themable to match rest of existing page

Limited scope framework (Knockout, Common Model) use case

- Existing app that works & doesn't want to mess with it
- Wants to add features as needed
- Prefers plugging in their existing service choices
- Understands code level consistency isn't possible with mix & match technology

Full stack framework use case

- Wants an end-to-end solution
- Willing to accept more complexity for better large scale development
- Consistent design makes learning new features easier
- Wants full feature framework

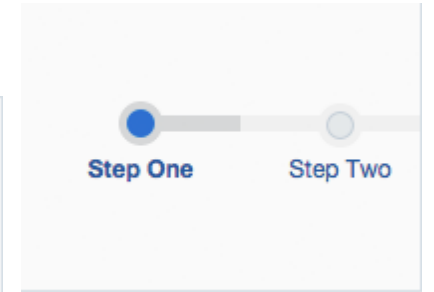
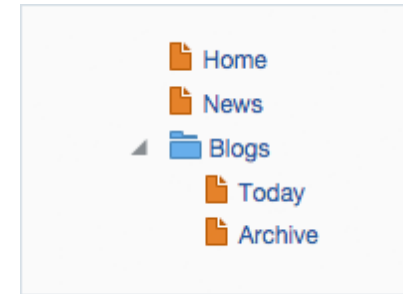
JET Basic Componentry

- Form controls
- Buttons
- Menus
- Data Collections
- Layout and Navigation
- Behavior and Animation
- Media

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Firefox



Id	Name	Room
556	Sales	201
10	Admin	300
50	HR	125

Tech Sports U.S.

JET is fun!

S8 S4

M6 M6

L4 L4 L4

Amy Bartlet
Vice President

One Two Three

State CA

City Chicago

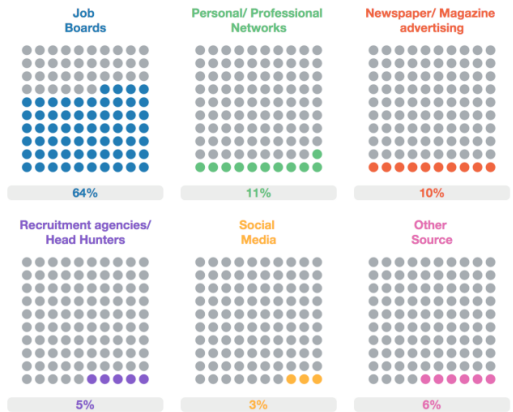
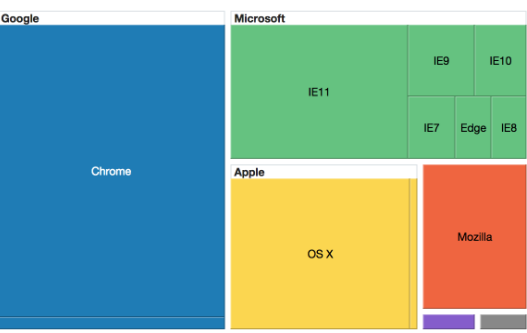
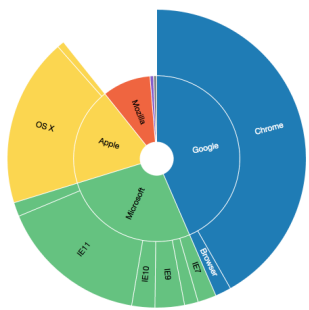
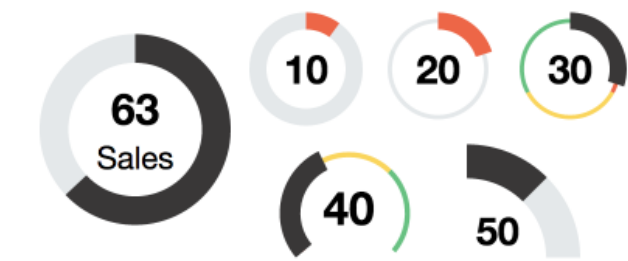
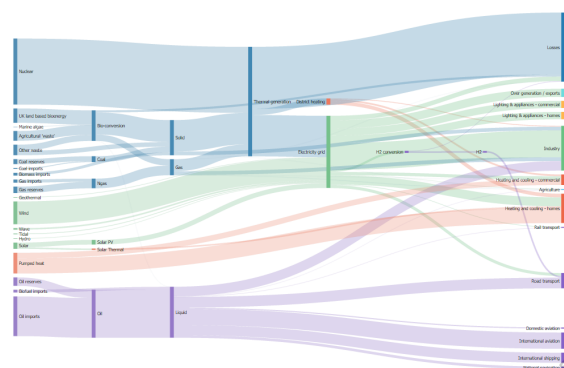
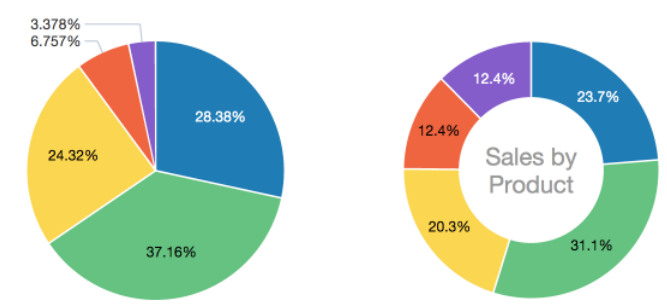
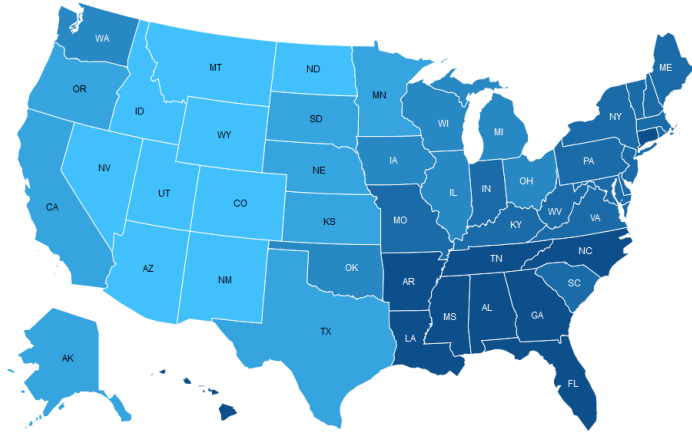
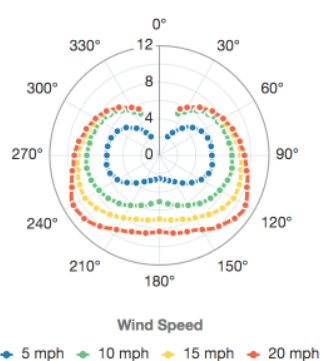
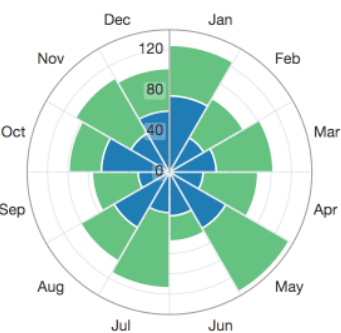
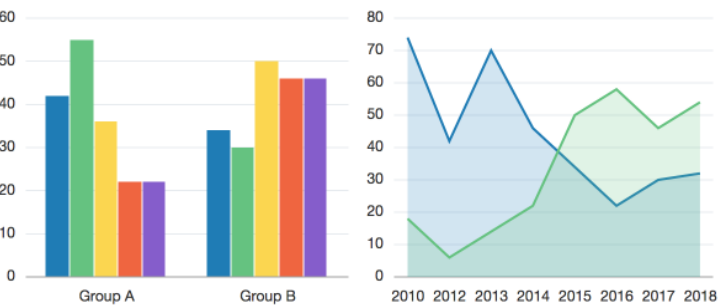
✗ Chicago not in CA

menu button

Search

Calendar

JET Data Visualizations



Oracle JET is Open Source!



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Oracle's JET JavaScript toolkit flies the open source skies



JET 2.0.0 adds mobile development, data visualization, and scaffolding capabilities

InfoWorld | Mar 3, 2016

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Oracle's JET flies into open source skies

JavaScript for the masses

2 Mar 2016 at 04:03, Richard Chirgwin



16



46

Oracle has published the code for its long-awaited open source JavaScript Extension Toolkit (JET) version 2.0.0.

If you're interested in looking over the code at [GitHub](#), here's what Big Red says is in the box: a full JS development toolkit, SPA template-based lifecycle management, two-way binding with a common model layer, single-page app navigation and mobile support.

Open source libraries used with JET include jQuery, the jQuery UI, Knockout, RequireJS and Hammer.

There's a [cookbook here](#) for those who want to taste-test the toolkit.

Mobile functions include a library of supported gestures, native iOS and Android headers, and native themes for iOS, Android and Windows.

Alas, with any new project, there are bound to be slips. Messages posted to the [JET forums](#) are currently complaining that its demonstrator template, called *yeoman*, isn't working.

JET has been published under the [Universal Permissive License](#). ®

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Oracle JET at OpenWorld

What	When	Where
End-to-End Cloud: Oracle Java Cloud, Oracle Mobile Cloud Service, Oracle MAF, and <i>Oracle JET</i> [CON2388]	Monday, Sep 19, 12:30 p.m. - 1:15 p.m.	Moscone West - 2012
Hands-on Lab: Learn the Basics of Oracle <i>JavaScript</i> Extension Toolkit [HOL5278]	Tuesday, Sep 20, 5:45 p.m. - 6:45 p.m.	Hotel Nikko - Nikko Ballroom III (3rd Floor)
Oracle JavaScript Extension Toolkit: Open Source and Ready for You [CON5257]	Wednesday, Sep 21, 11:00 a.m. - 11:45 a.m.	Moscone West – 2016
HTML5 and <i>JavaScript</i> User Interface Development with Oracle's Platform, Tools, and Frameworks [CON6492]	Wednesday, Sep 21, 12:15 p.m. - 1:00 p.m.	Moscone South - 306
Enterprise-Grade Mobile Apps with <i>Oracle JET</i> and Cordova [CON5731]	Thursday, Sep 22, 12:00 p.m. - 12:45 p.m.	Moscone West – 2016