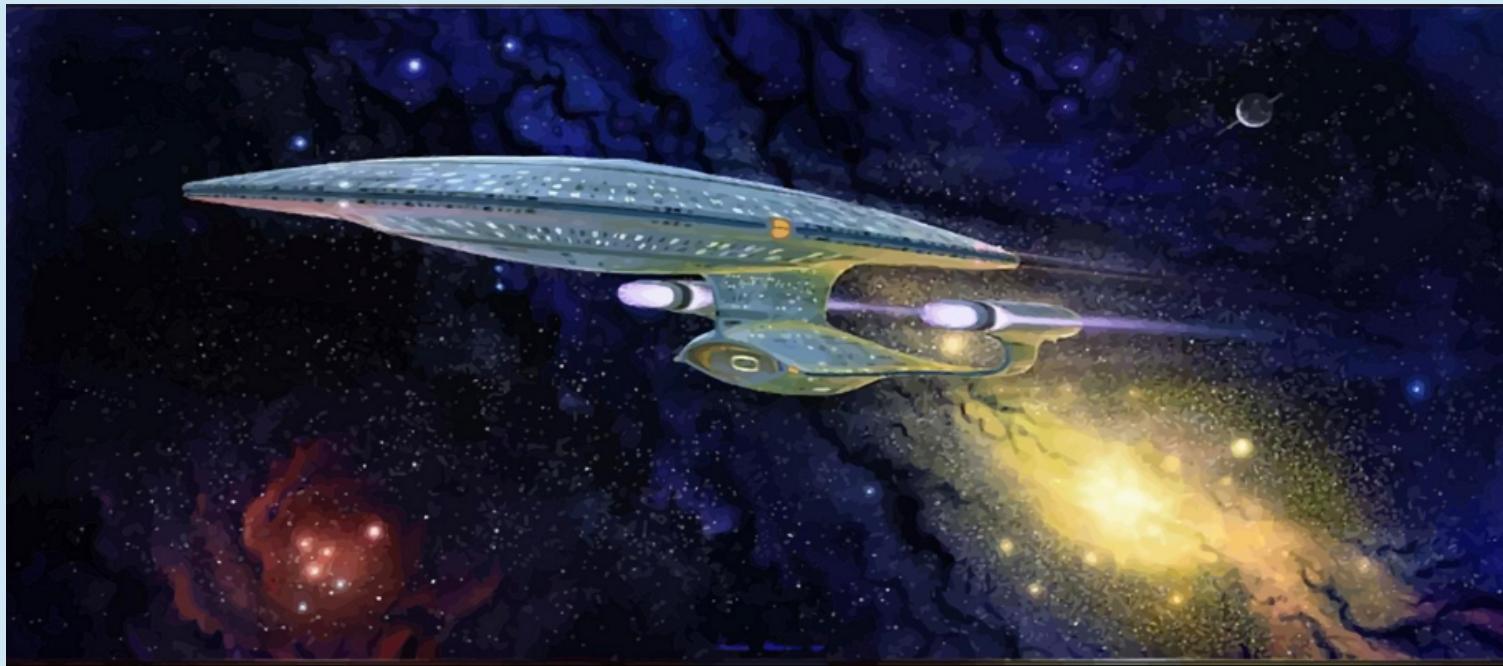


Enterprise JavaScript with Oracle JavaScript Extension Toolkit



John Brock
Geertjan Wielenga
Oracle Product Managers





Steven King
President Executive

515.123.4567
515.123.4567
SKING@example.net

About

12	6
Skills	Tenure

Hire Date
Mar 1, 2009

Address
2004 Bellevue Ct
Seattle
Washington 98102 US

Manager

Steven King

Performance

5	2
Rating	Potential

Compensation

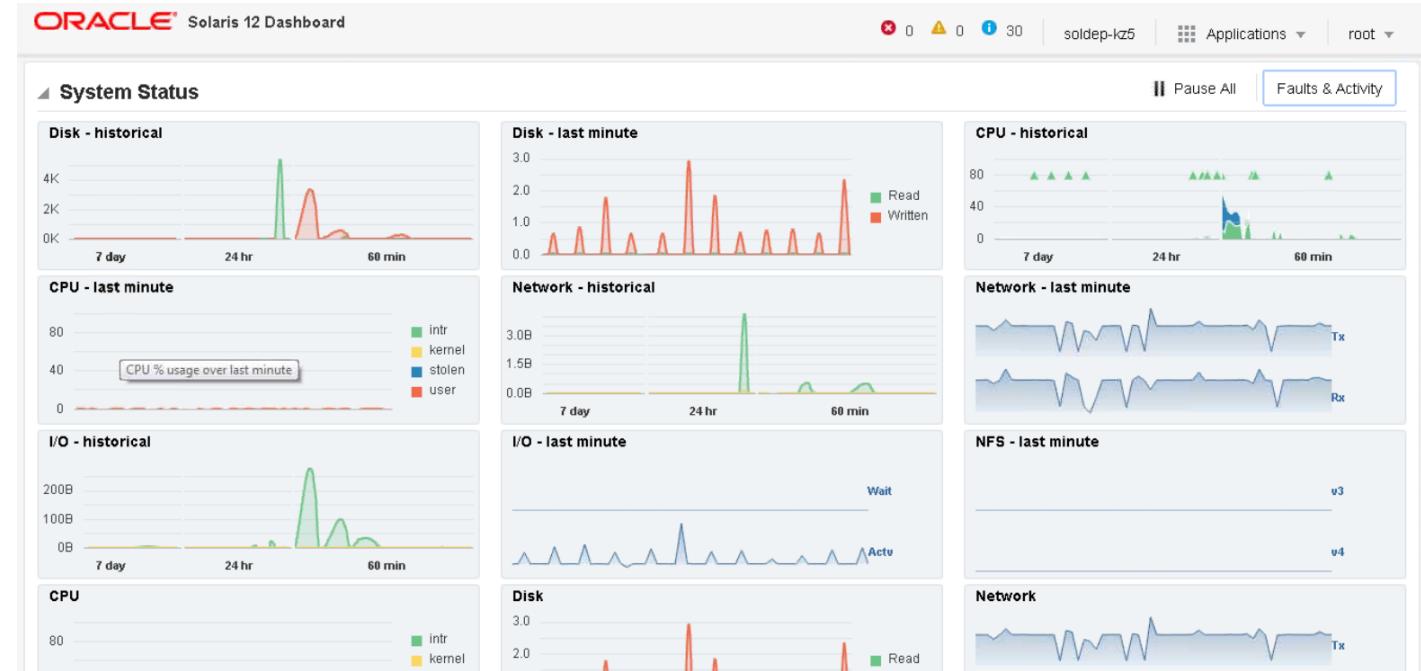
24k	104
-----	-----

Estimation **Budgeting** Outsourcing **HCM**
Human Resources Strategy Javascript **Staffing**
Analytics **Financials** Recruiting **Statistics**



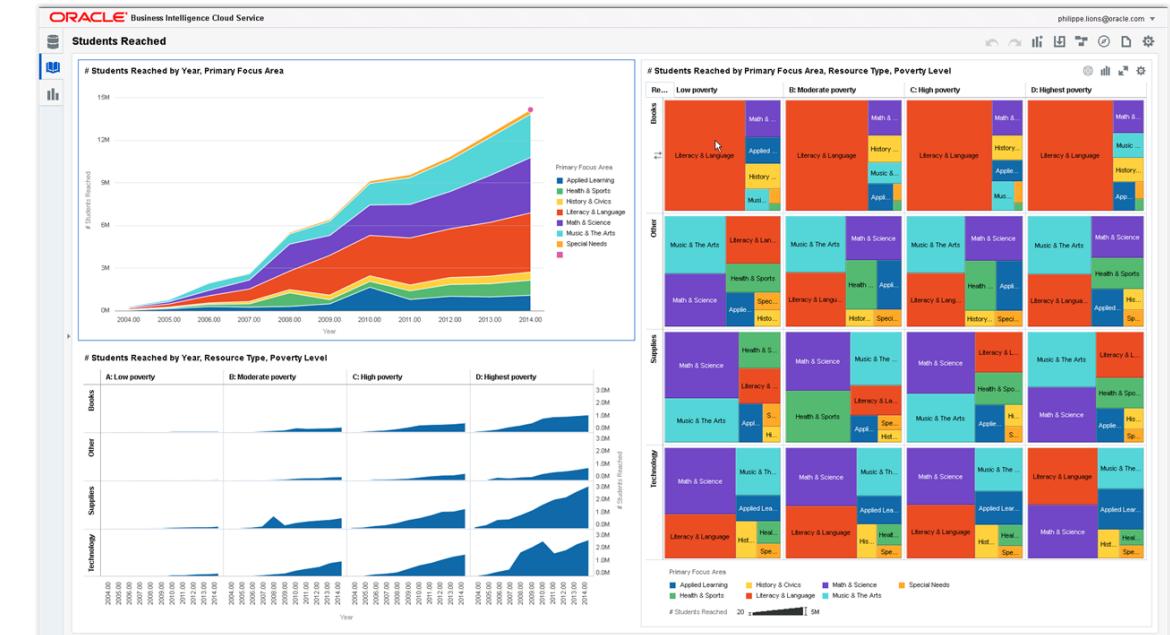
Oracle JET Customers Across Oracle Include...

- Internet of Things
- Mobile Cloud Service
- Developer Cloud Service
- Business Activity Monitoring
- Solaris Deployment and Analytics
- PeopleTools
- **New:** Application Express
- **New:** Big Data Discovery
- **New:** Oracle Retail



Oracle JET Impact Across Oracle

“Oracle JET enables us to build highly interactive and responsive applications that enable our users to answer business questions at the speed of thought. This is made possible by the lightweight and open client architecture that Oracle JET promotes.”

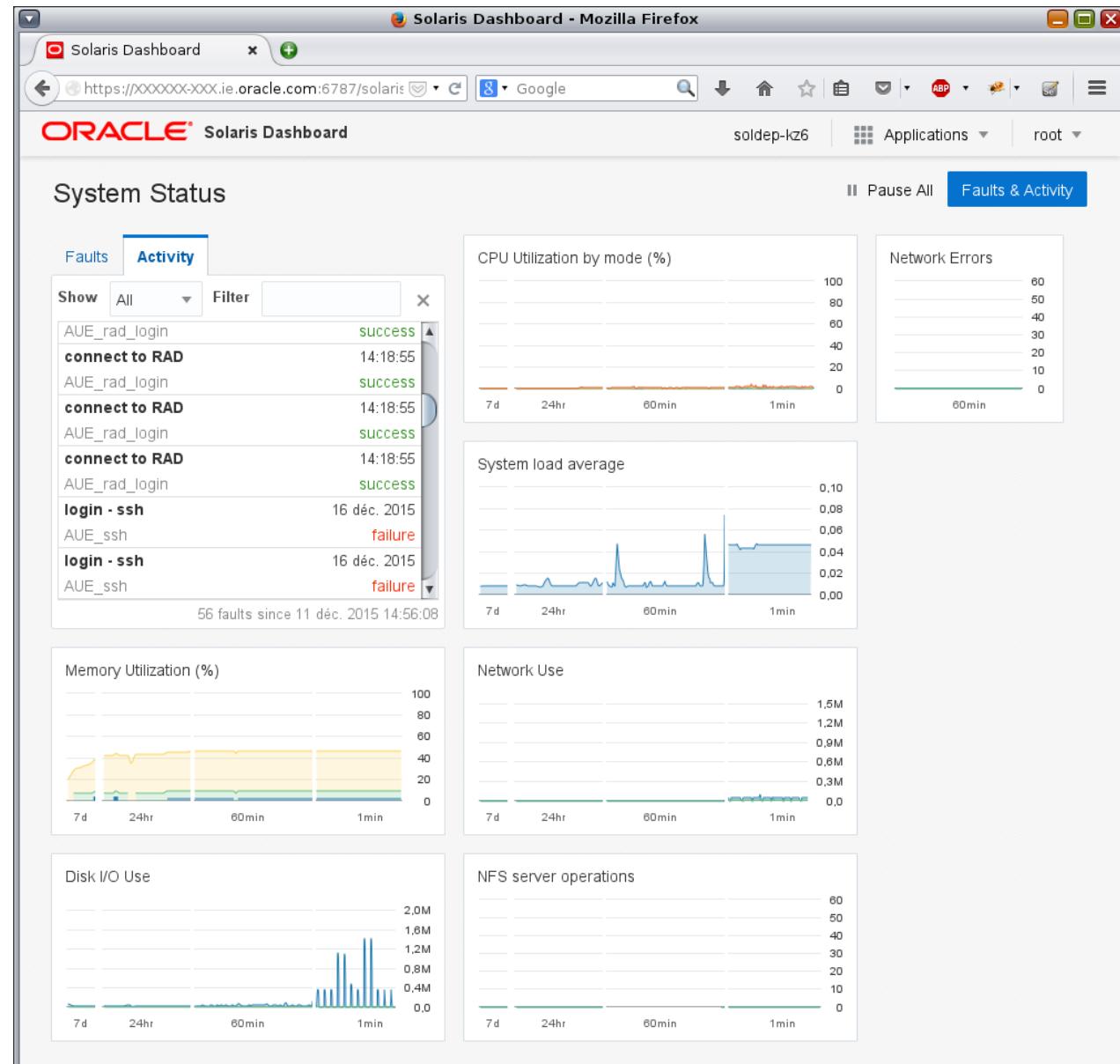


- BI Visual Analyzer/Data Visualization Cloud Service Team

Oracle JET Impact Across Oracle

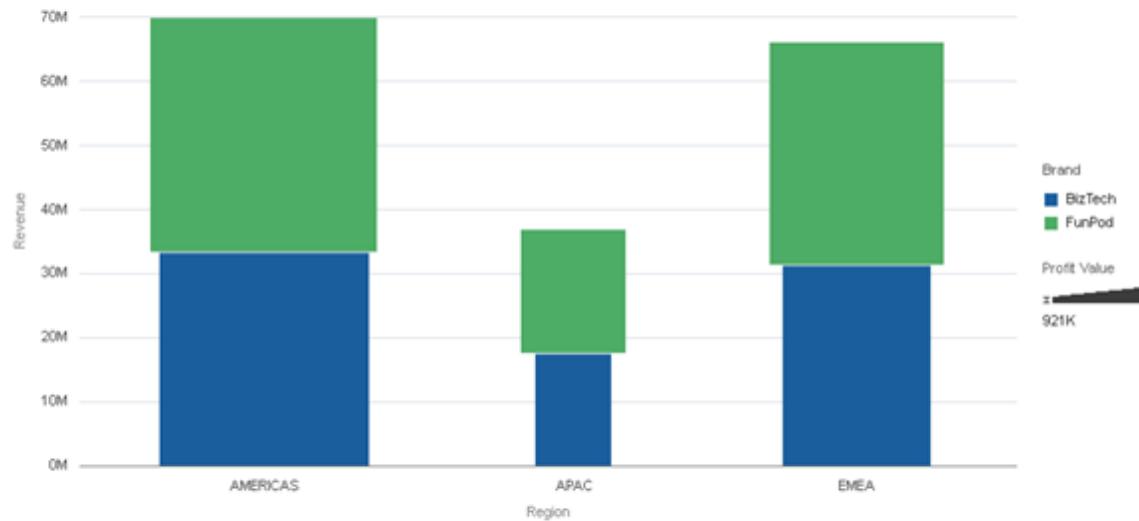
“On the Solaris WebUI and Analytics project we have made extensive use of Oracle JET and this has saved us considerable time and effort during the development of our webapp.”

- Solaris OS Development Team

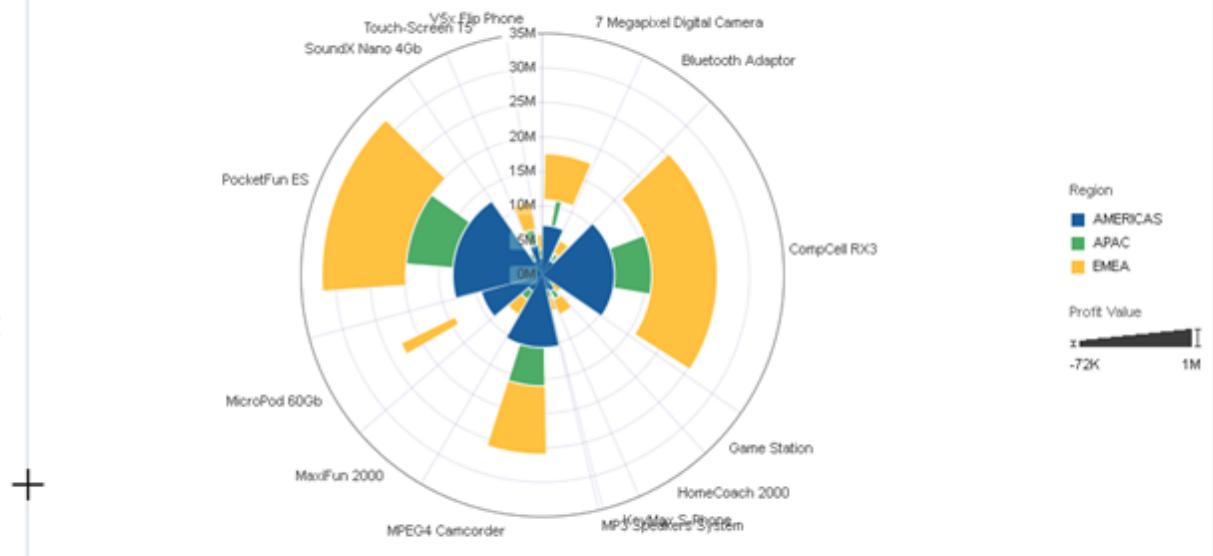


Bar Chart Width

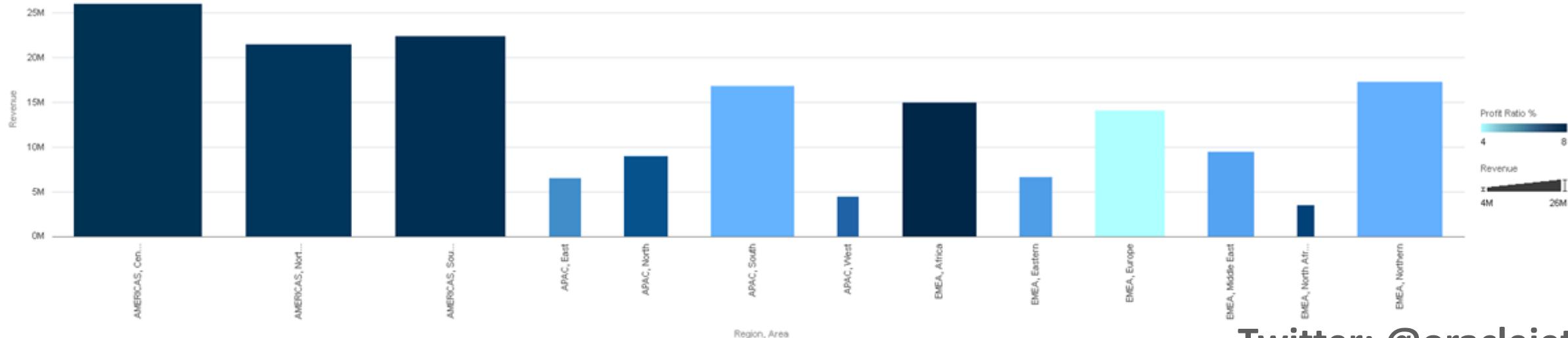
Revenue by Region, Brand, Profit Value

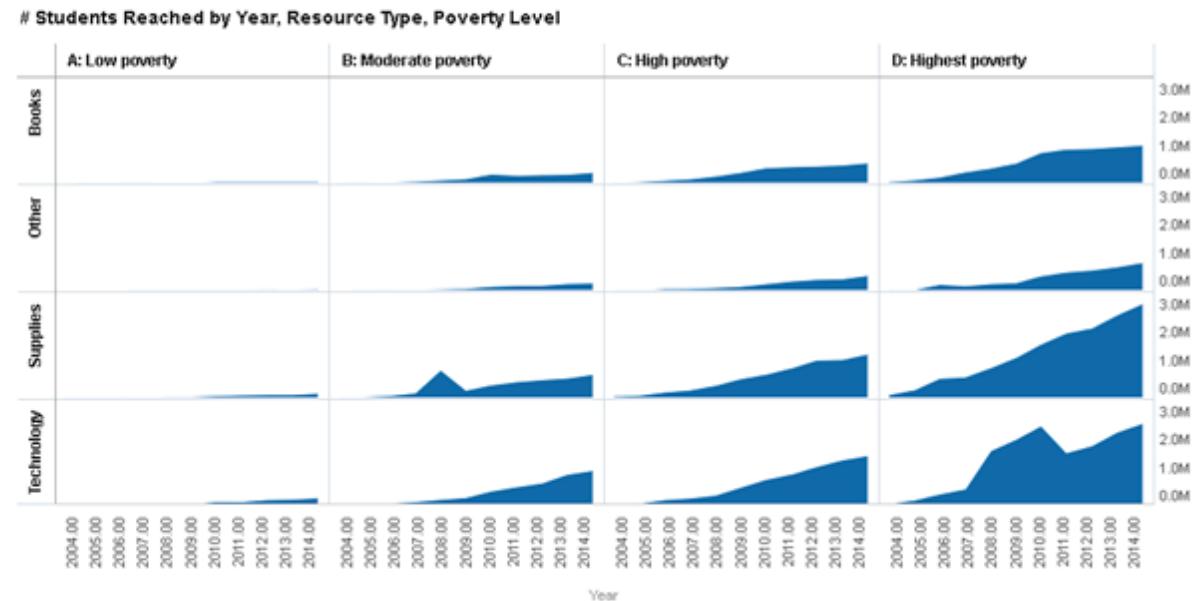
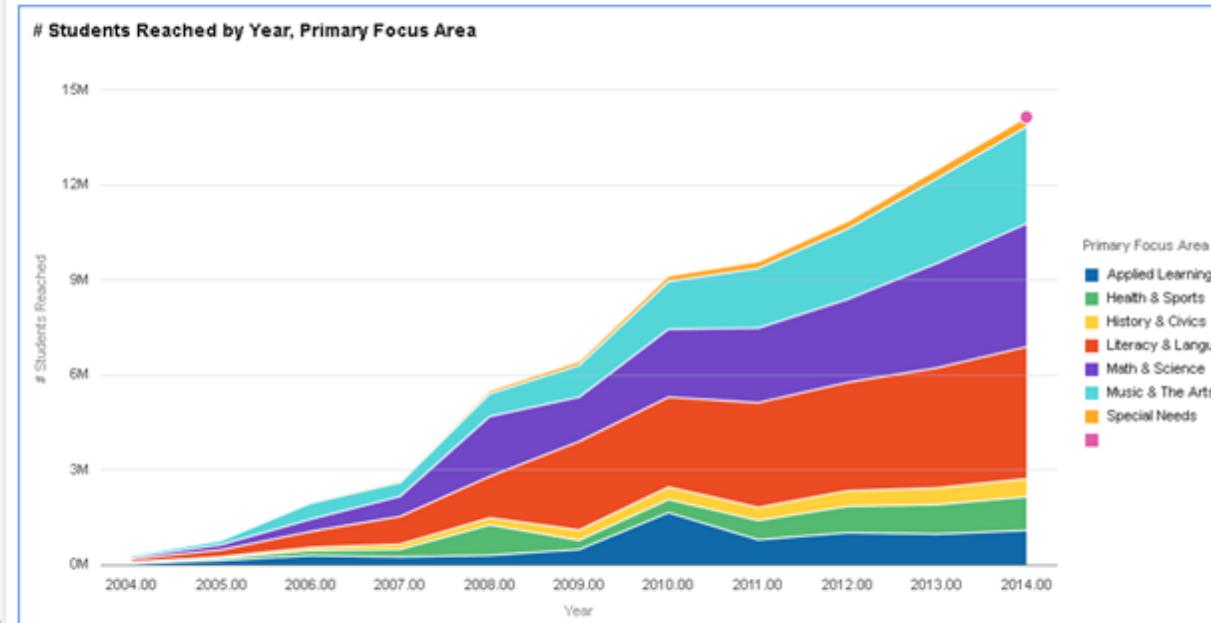


Revenue by Product, Region, Profit Value



Revenue by Region, Area, Profit Ratio %, Revenue



Students Reached

Twitter: @oraclejet

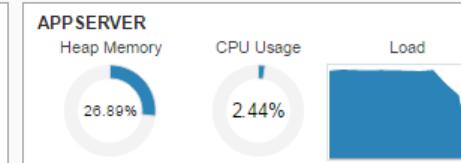
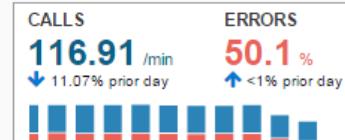
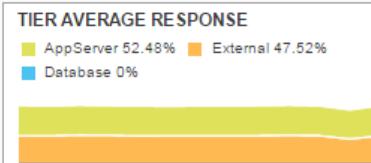
☰ Server Request

Yesterday 11:00 AM - Today 11:24 AM



▲ OrderService.submit

Type: AppServer
Deployment: hostC1.apm_tenantx1.testDom:-1
OrderService.war
JAXRPC



Diagram

Metrics

Links

Callers

Database

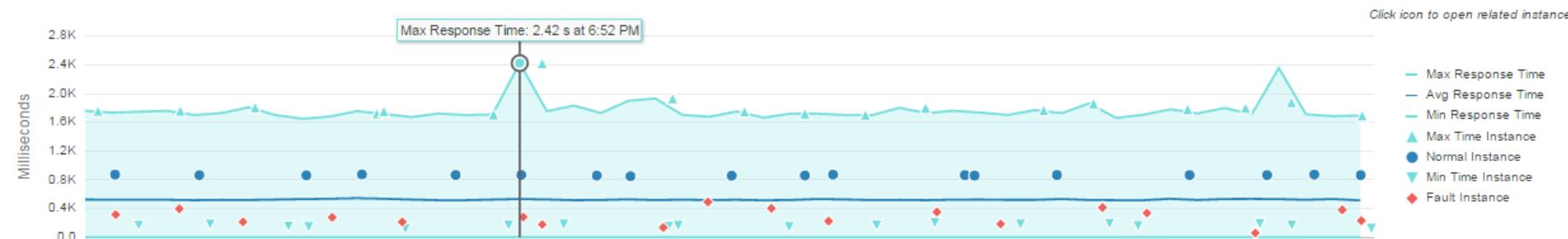
Instances

MEASUREMENT CHARTS

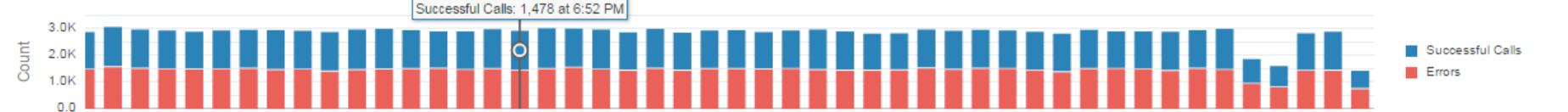
Yesterday 12:59 PM - Today 6:25 AM



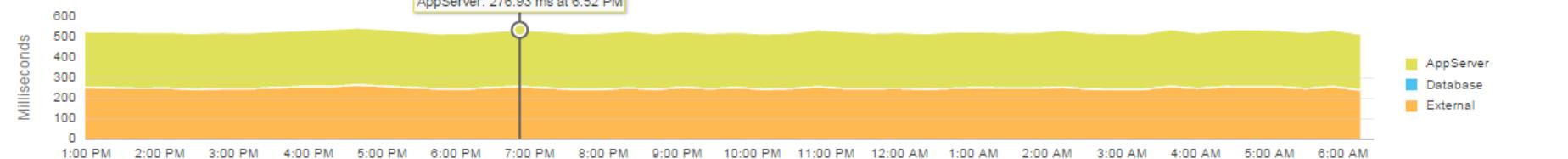
REQUEST RESPONSE TIME



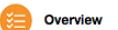
CALLS & ERRORS



TIER AVERAGE RESPONSE



Oracle Logo



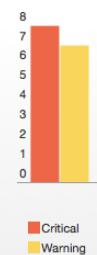
Overview

itasraq.us.oracle.com - Risk Analytics

Select a Target: itasraq.us.oracle.com

Apply

Alert Management



Summary Severity Confidence % Time Status

Summary

Severity

Confidence %

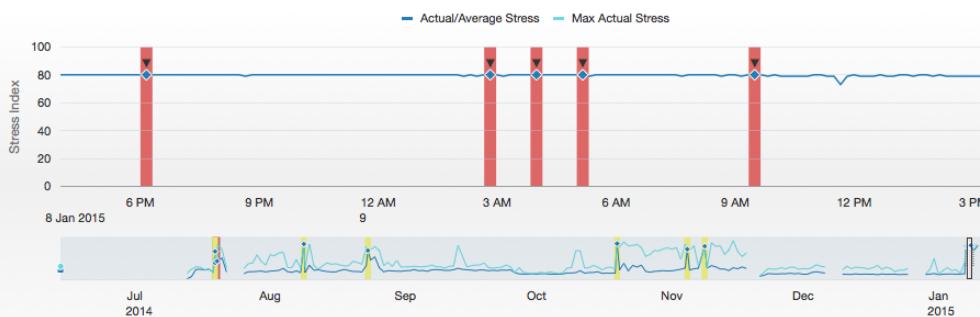
Time

Status

Summary	Severity	Confidence %	Time	Status
Early prediction of DB stress alerted 30 minutes in advance. Bottlenecks: User IO (99.67% DB time due to 20.09 sessions). Host Memory (30.97% Memory Used, 22.37% Swap Utilization).		40	Fri, 09 Jan 2015 09:29:49 GMT	
Early prediction of DB stress alerted 30 minutes in advance. Bottlenecks: User IO (99.57% DB time due to 20.08 sessions). Host Memory (30.65% Memory Used, 22.37% Swap Utilization).		44	Fri, 09 Jan 2015 05:09:49 GMT	
Early prediction of DB stress alerted 30 minutes in advance. Bottlenecks: User IO (99.14% DB time due to 20.11 sessions). Host Memory (31.06% Memory Used, 22.37% Swap Utilization).		40	Fri, 09 Jan 2015 03:59:49 GMT	
Early prediction of DB stress alerted 30 minutes in advance. Bottlenecks: User IO (99.73% DB time due to 20.11 sessions). Host Memory (32.07% Memory Used, 22.37% Swap Utilization).		40	Fri, 09 Jan 2015 02:49:49 GMT	

Page 1 of 4 (1-4 of 15 items) | < 1 2 3 4 > >>

Stress Index History



Key Contributors to Stress

Application Commit Concurrency Configuration User I/O Host CPU Host Memory Host I/O



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BACKBONE IS

ember

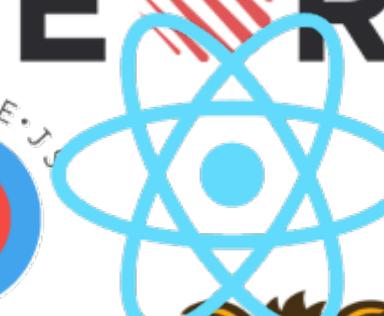


Ext JS
ANGULAR JS

by Google™

Knockout.

METE



juuery
write less, do more.

GRUNT

JavaOne™
ORACLE®

browsify
React



Twitter: @oraclejet



simple, flexible, fun



Protractor

end to end testing for AngularJS



YEOMAN



Twitter: @oraclejet

Different Libraries, Different Purposes

- **Application Frameworks & Libraries**
Angular, Knockout, Backbone, Ext, React, Ember
- **Component Libraries**
JQuery UI, Sencha, PrimeFaces
- **Module Systems**
RequireJS, Browserfy
- **Build Systems**
Grunt, Gulp, Brunch
- **Testing Frameworks**
Protractor, Jasmine, Qunit, Karma
- **Other:** Yeoman, Node.js, Bower



It's a Jungle Out There...



Requirements First

- **Responsive Design**
- **Modularity**
- **Single Page Application**
- **Accessibility**
- **Internationalization**
- **Security**
- **Performance Optimization**
- **Conformance to Standards**
- **Documentation & Support**



- **RequireJS:** modularity
- **KnockoutJS:** two-way databinding

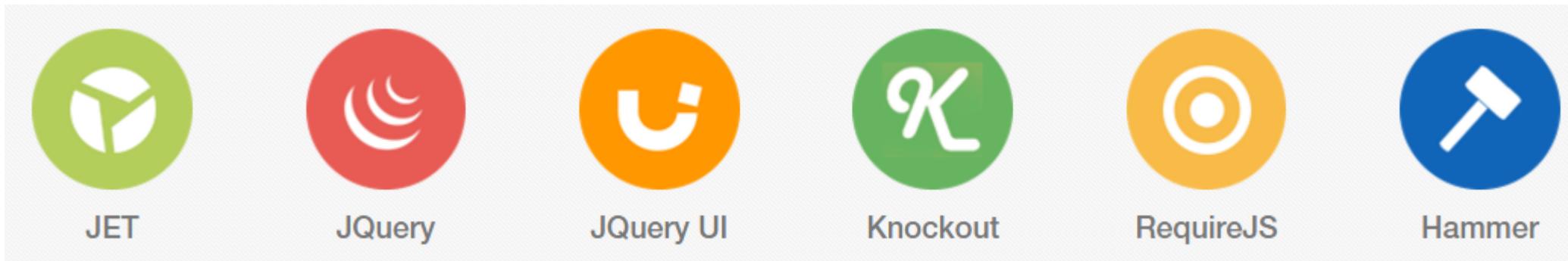
Oracle JET

Oracle JavaScript Extension Toolkit

oraclejet.org



Oracle JET



Demos.

Oracle JET

- Aimed at medium to advanced JavaScript developers.
- Based on open source libraries.
- Focused on data visualization, e.g., Cloud data.
- Enterprise-ready, e.g., accessibility and modularity.
- GitHub: github.com/oracle/oraclejet

Mobile Features of JET

- **Open Tooling**

- Create JET mobile apps with starter template on iOS & Android
- Launch server to view / live reload app in browser & emulator
- Build and Run app on device or emulator
- Certified version of Cordova
- Supports multiple deployment models (dev vs production)
- Integration with popular Open Source tech (Grunt, Yeoman, Bower, npm)

- **JET native themes (Phase 1)**

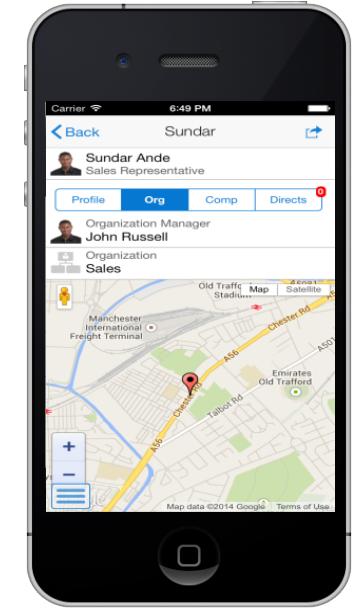
iOS, Android, & Windows

- Native themes available for:
80% of all JET components &
all of the common mobile components

- **Cordova Integration**

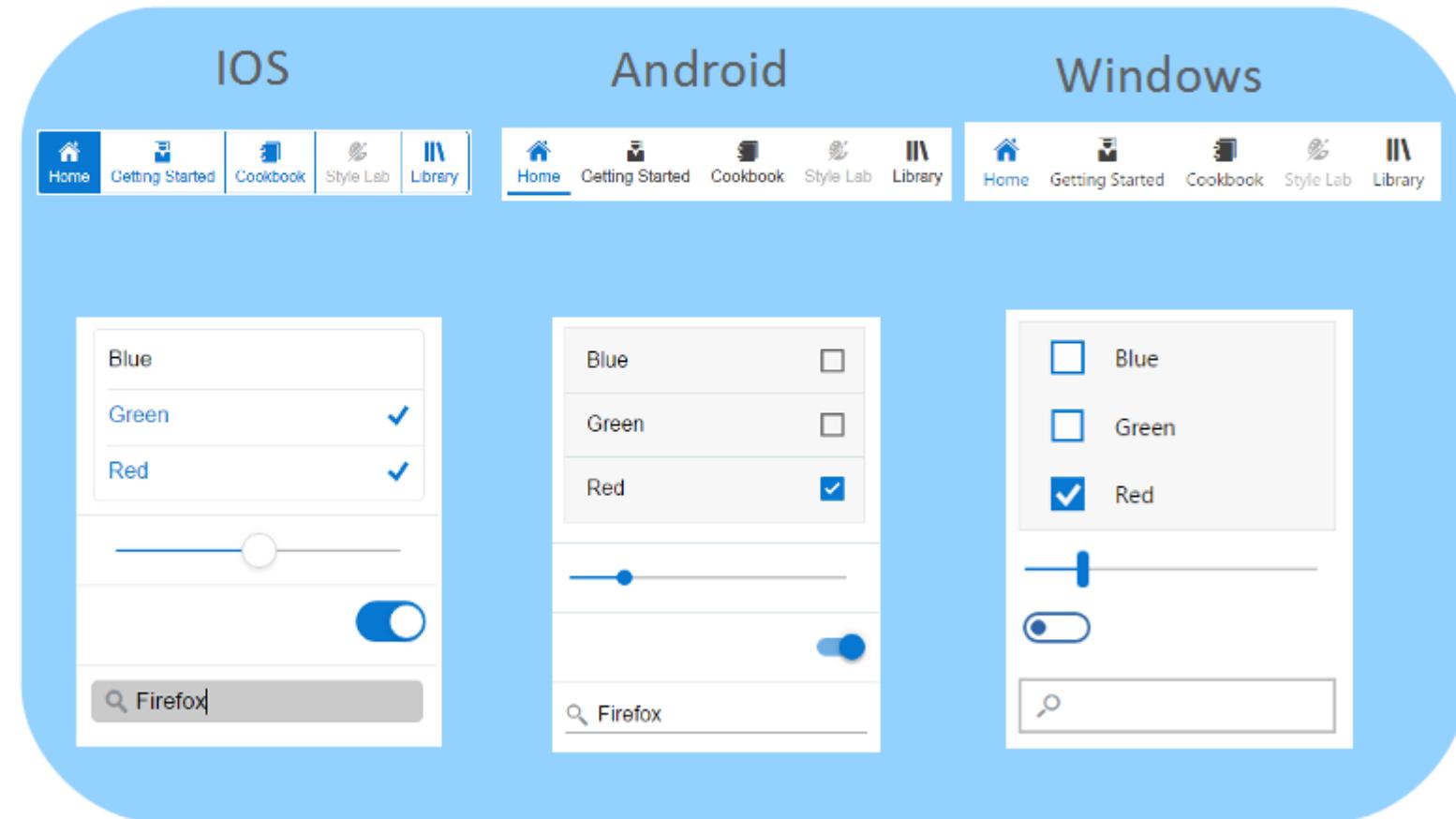
- Sample app showing how to use
Cordova plug-ins

- **Mobile Patterns:** new mobile patterns with
code samples, applications and demos



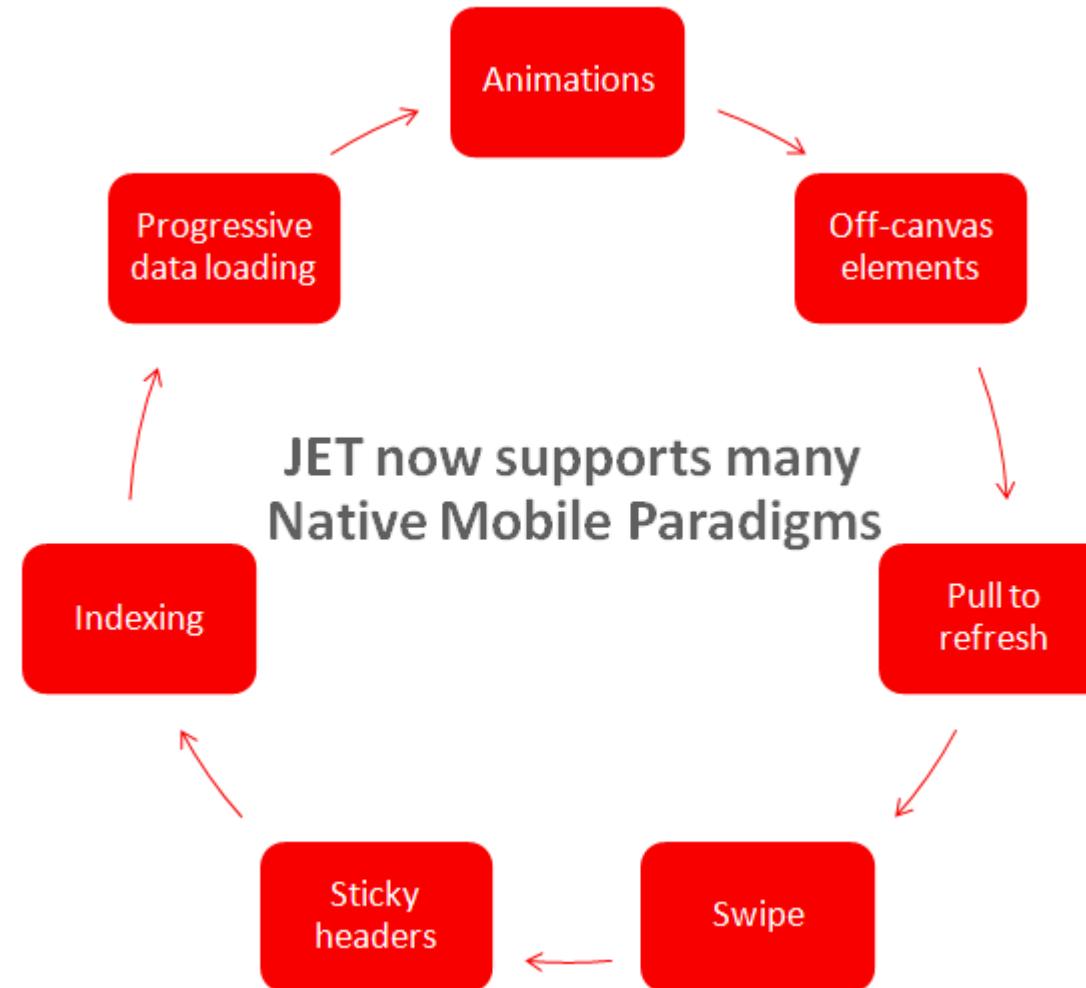
Mobile Native Theming Support

- Native themes are designed to be used with Cordova to create a hybrid mobile app
- Mobile Native Theming Support for:
 - iOS
 - Android
 - Windows



Common Mobile Paradigms

- Mobile users have come to expect certain UI behaviors & interactive gestures from native apps
- JET adds support for the most common mobile patterns & provides many demos with sample code



JET Components Meet the Following Standards

- Two-way data binding
- Packaged as jQueryUI wrapped widgets
- Styled by default to meet the Alta UI style specifications (SASS based theming)
- All components meet Oracle NLS standards (i18n). Formatting for Currency, Numeric, and Date/Time (28 languages and 160+ locales)
- All components provide support for Oracle software localization standards (l10n). Including BiDi, and lazy resource loading
- All components meet OAG 2.0 standards for accessibility (based on WCAG 2.0)
- All components provide methods for test automation integration
- All components provide touch functionality where appropriate

Conclusions

- Aimed at medium to advanced JavaScript developers.
- Based on open source libraries.
- Focused on data visualization, e.g., Cloud data.
- Enterprise-ready, e.g., accessibility and modularity.
- GitHub: github.com/oracle/oraclejet

oraclejet.org

