

(What's Oracle Doing With JavaScript?)

Oracle JET


An Enterprise Ready Technology
In A Fast Changing Developer Landscape



Geertjan Wielenga
Oracle product manager
[@geertjanw](#)













Steven King

President
Executive

 515.123.4567
 515.123.4567
 SKING@example.net

 Steven
 Steven


About

12

Skills

6

Tenure

Performance

5

Rating

2

Potential

Compensation

24k

104


Hire Date

Mar 1, 2009

Address

2004 Bellevue Ct
Seattle
Washington 98102 US

Manager



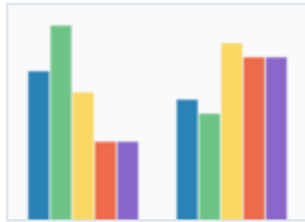
Steven King

Skills

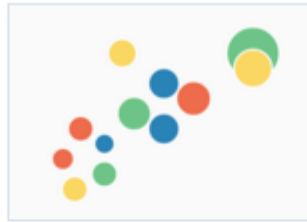
Estimation Budgeting Outsourcing HCM
Human Resources Strategy Javascript Staffing
Analytics Financials Recruiting Statistics



Area Chart



Bar Chart



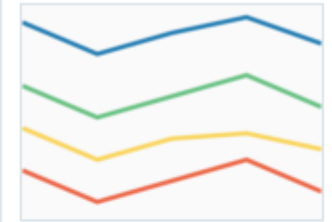
Bubble Chart



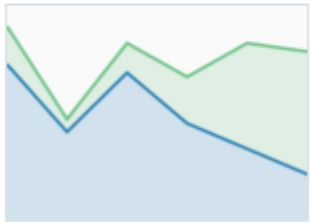
Combination Chart



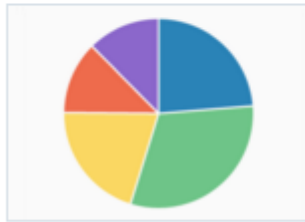
Funnel Chart



Line Chart



Line with Area Chart



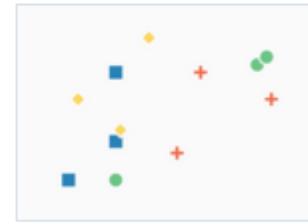
Pie Chart



Polar Chart



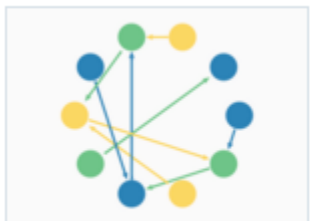
Range Chart



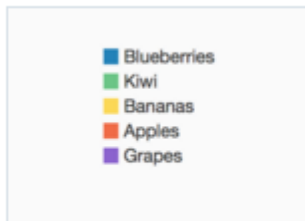
Scatter Chart



Spark Chart



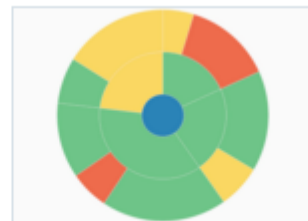
Diagram



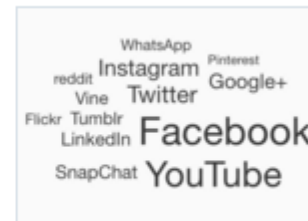
Legend



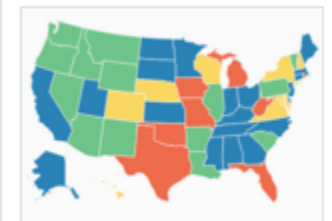
NBox



Sunburst



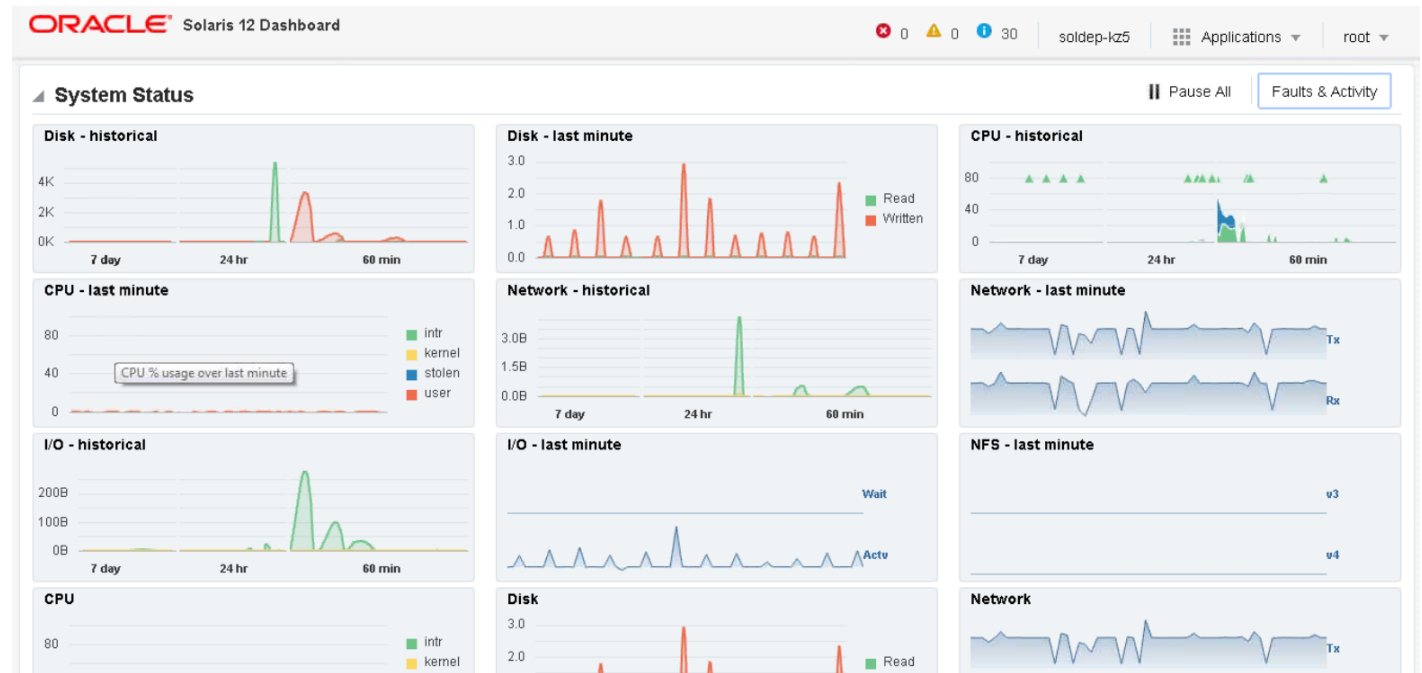
Tag Cloud



Thematic Map

Oracle JET Customers Across Oracle Include...

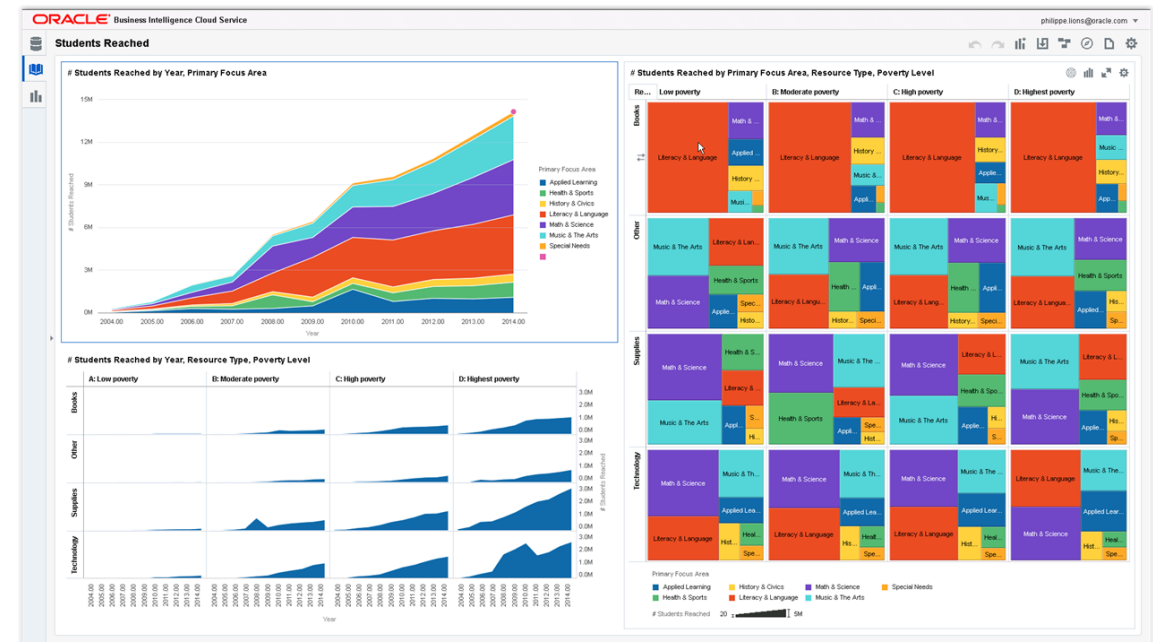
- Internet of Things
- Mobile Cloud Service
- Developer Cloud Service
- Business Activity Monitoring
- Solaris Deployment and Analytics
- PeopleTools
- **New:** Application Express
- **New:** Big Data Discovery
- **New:** Oracle Retail



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.”

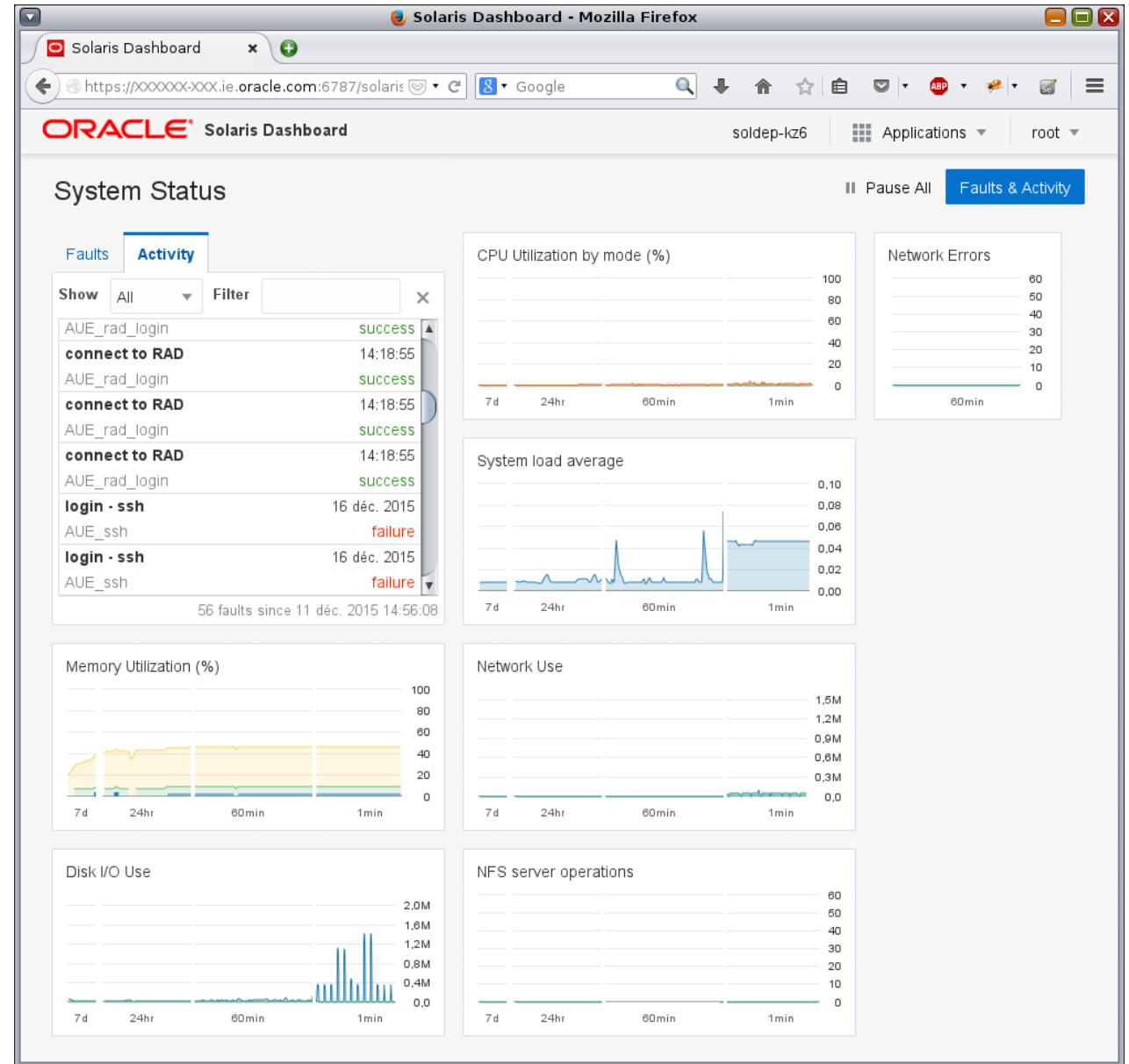
- BI Visual Analyzer/Data Visualization Cloud Service Team



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

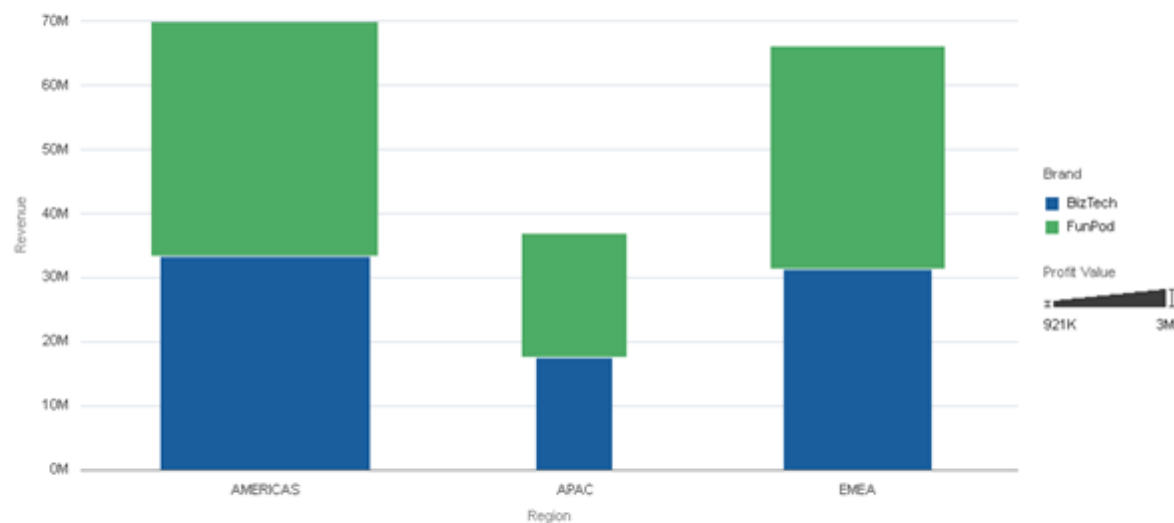




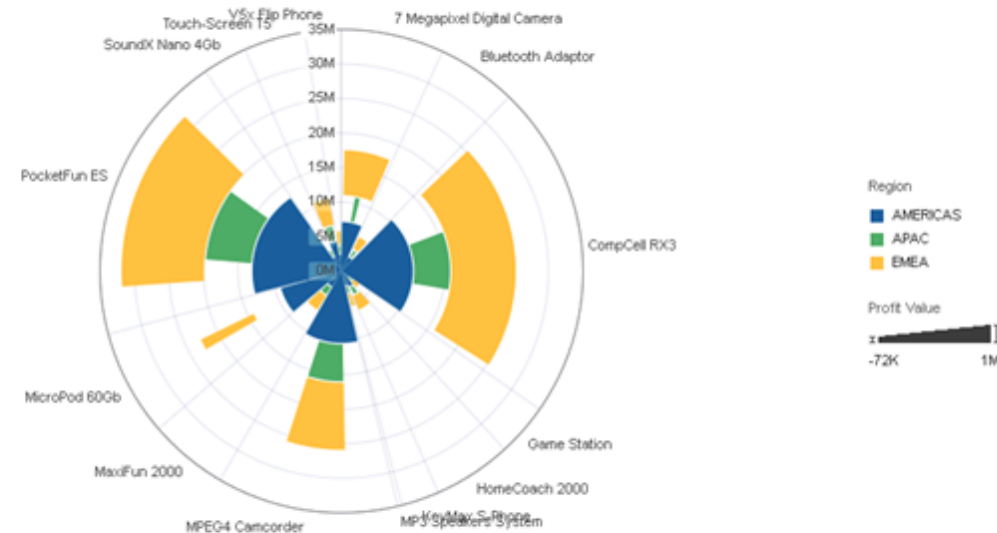
Bar Chart Width



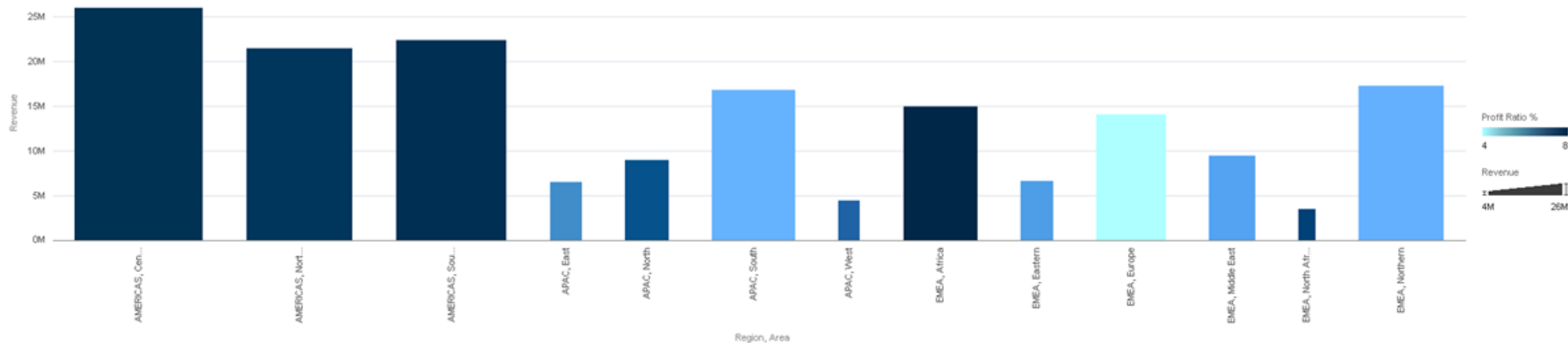
Revenue by Region, Brand, Profit Value



Revenue by Product, Region, Profit Value

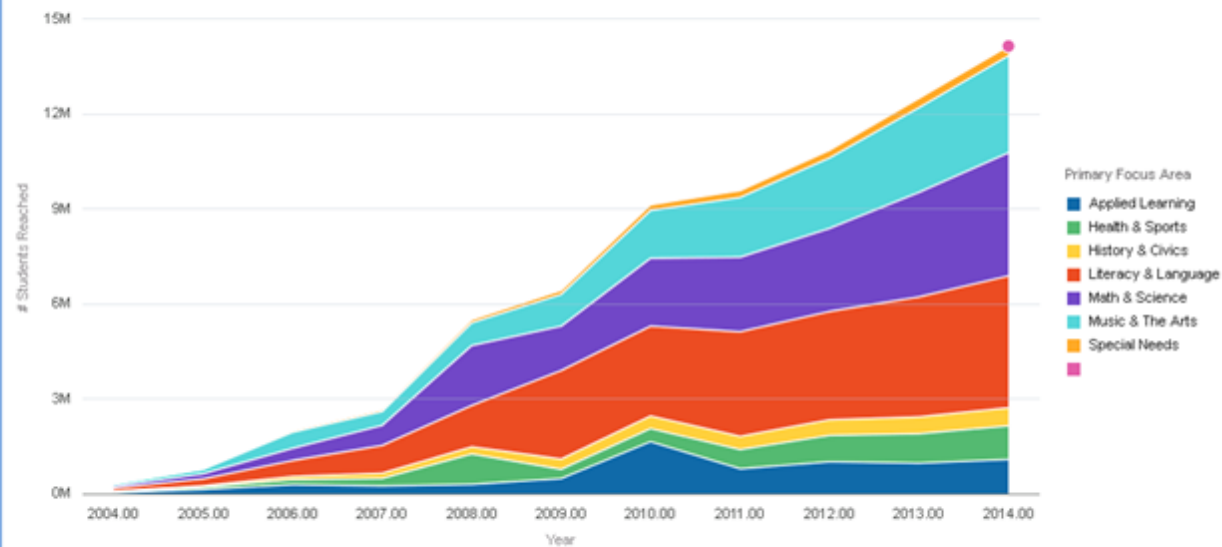


Revenue by Region, Area, Profit Ratio %, Revenue

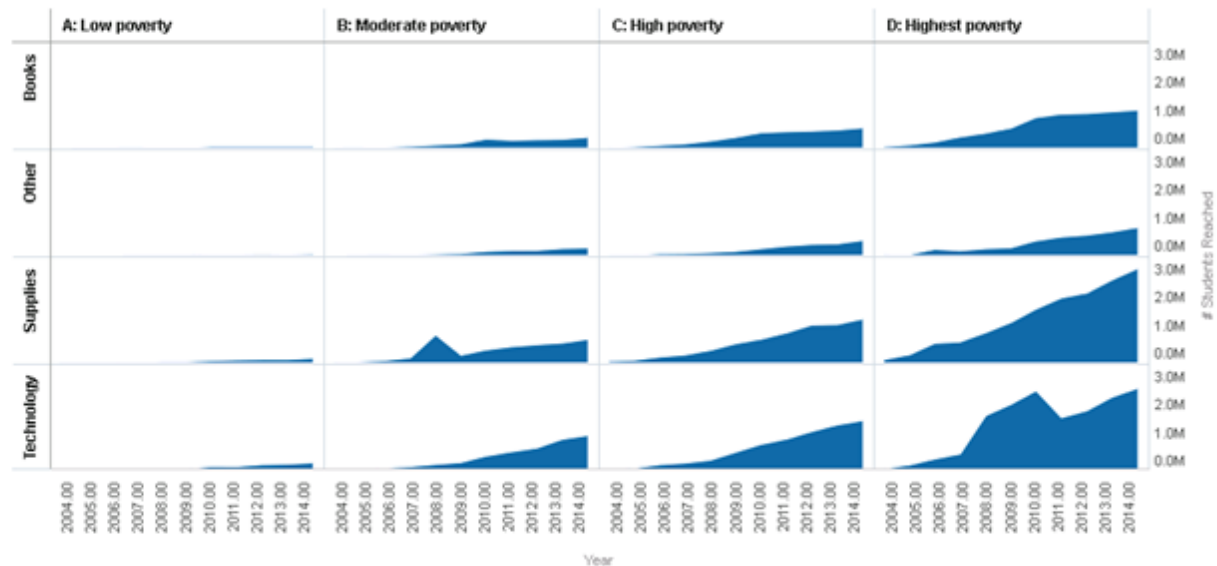


Students Reached

Students Reached by Year, Primary Focus Area



Students Reached by Year, Resource Type, Poverty Level



Students Reached by Primary Focus Area, Resource Type, Poverty Level





Server Request

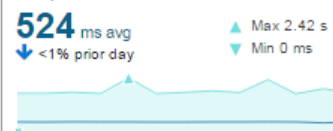
Yesterday 11:00 AM - Today 11:24 AM ▾



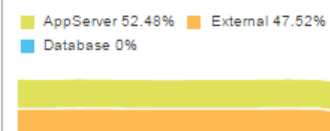
OrderService.submit

Type JAXRPC
AppServer hostC1.apm_testtenantx1.testDom:-1
Deployment OrderService.war

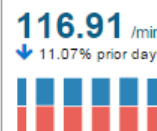
REQUEST RESPONSE TIME



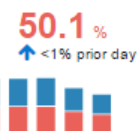
TIER AVERAGE RESPONSE



CALLS

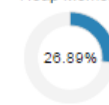


ERRORS

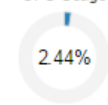


APPSERVER

Heap Memory



CPU Usage



Load



Diagram



Metrics



Links



Callers



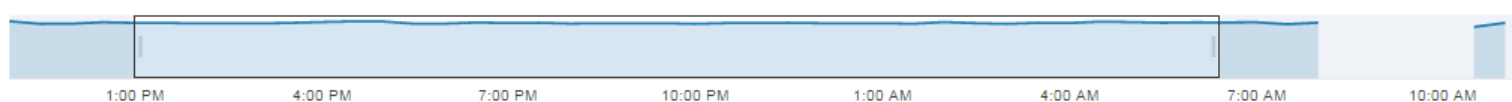
Database



Instances

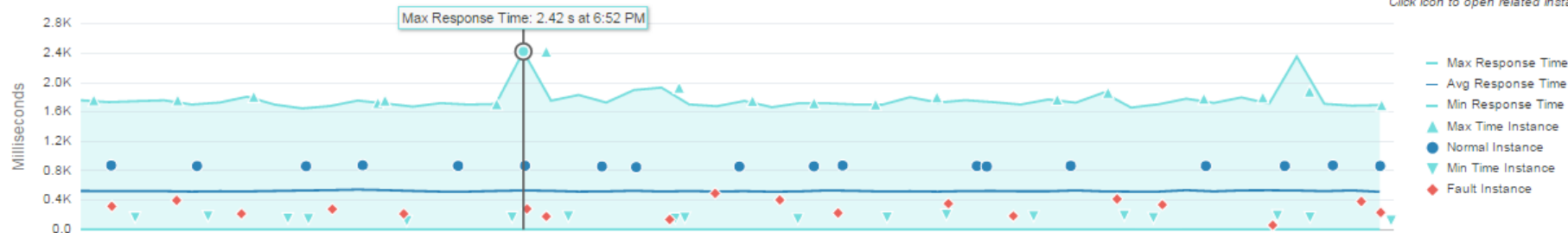
MEASUREMENT CHARTS

Yesterday 12:59 PM - Today 6:25 AM

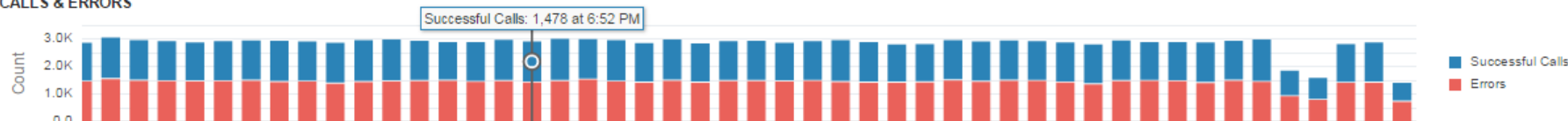


REQUEST RESPONSE TIME

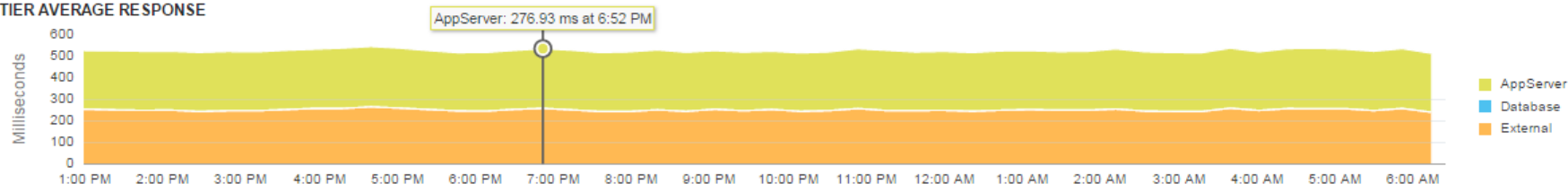
Click icon to open related instance.



CALLS & ERRORS



TIER AVERAGE RESPONSE



Oracle Logo

Overview

Database Stress Prediction

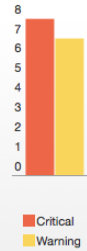
JVM Out Of Memory Prediction

itasraq.us.oracle.com - Risk Analytics

Select a Target: itasraq.us.oracle.com

Apply

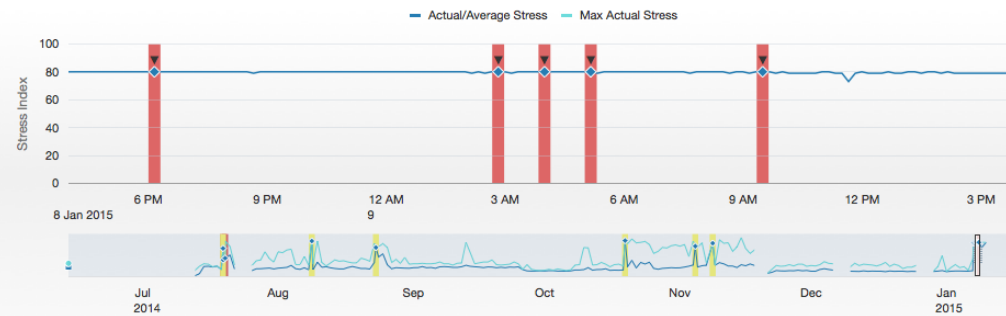
Alert Management



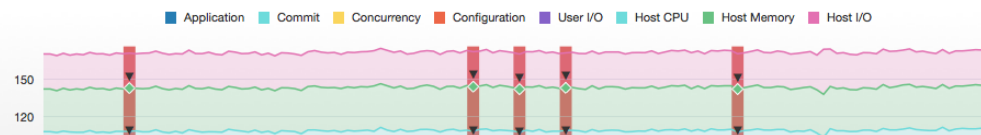
Summary	Severity	Confidence %	Time	Status
Early prediction of DB stress alerted 30 minutes in advance. Bottlenecks: User IO (99.67% DB time due to 20.09 sessions). Host Memory (30.97% Memory Used, 22.37% Swap Utilization).	Critical	40	Fri, 09 Jan 2015 09:29:49 GMT	View Details
Early prediction of DB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

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Stress Index History



Key Contributors to Stress





BACKBONE IS

ExtJS

ember

Knockout.



ANGULARJS

by Google

METEOR



browserify

React



jQuery

write less, do more.



GRUNT





iOS



ANDROID



simple, flexible, fun



YEOMAN



Protractor

end to end testing for AngularJS



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**



Demos.

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

Oracle JET

Oracle JavaScript Extension Toolkit

oraclejet.org



Oracle JET



JET



jQuery



jQuery UI



Knockout



RequireJS



Hammer

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.
- For Oracle Cloud customers and, soon, on GitHub.

Demos.

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.
- For Oracle Cloud customers and, soon, on GitHub.

oraclejet.org

