

SECURITY IN CONTINUOUS DELIVERY ENVIRONMENT

WITH A STRONG MIX OF SOA

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WHO AM I?

Jakub Nawalaniec – Security Engineer @ Base CRM

WHAT IS BASE?

The image displays the Base CRM software interface. At the top, there's a navigation bar with icons for Home, Contacts, Deals, Tickets, Tasks, and Reports. Below the navigation bar, a large chart titled "Total Sales" shows the sales amount of deals won over a period from February 01, 2013, to July 30, 2013. The chart is a stacked area graph with orange and purple areas, and the Y-axis ranges from \$30,000 to \$31,900. To the left of the chart, two mobile devices are shown displaying the Base app: an iPhone showing a contact profile for John Appleseed, and a smartphone showing a deal list with entries like "Cold Calling Strategy" and "Print Ad".

Total Sales The sales amount of deals you won over a period

Filter report by Team, Group, Owner or Tag.

February 01, 2013 → July 30, 2013

Stacked Expanded

\$ 31,900
\$ 30,000

Carrier 10:24 AM

Contacts Edit

John Appleseed
VP of Marketing and Sales
Global Solutions Inc

4 19 8 52

W Chicago Ave
Google Map

Address 212 W Superior Street
Chicago, IL 60654
United States

Phone (312) 555-1234
Mobile (312) 555-9876
Email john.duffy@globalsolutions....
Website http://globalsolutions.com

Deal List

Type to filter by name

PROSPECTING 3 Deals

Paul Murray
Cold Calling Strategy
\$100,000,000

Future Bright
Future Bright
\$50,000

Olivia Wright
Print Ad
\$14,500

CLOSURE 2 Deals

Alicia Jackson
Spending Audit
\$6,500

Century House
Strategy Session
\$2,000

2013/04 2013/05 2013/06 2013/07

WHAT IS BASE?

The image displays the Base CRM software interface. At the top, there's a header bar with icons for navigation, search, and settings. Below it, a main dashboard shows a chart titled "Total Sales" with a legend for "Stacked" and "Expanded" views. The chart tracks sales from February 1, 2013, to July 30, 2013, with a total amount of \$31,900. To the left of the chart are two mobile device screens: an iPhone and an Android phone, both displaying contact details for "John Appleseed" and a deal list respectively. The overall theme is a modern, cloud-based CRM solution designed for mobile and web use.

POST-PC CRM

SOA

AMAZON EC2

CONTINUOUS DELIVERY @BASE SELF SUFFICIENT TEAMS

CONTINUOUS DELIVERY @BASE SELF SUFFICIENT TEAMS EXPERIENCES

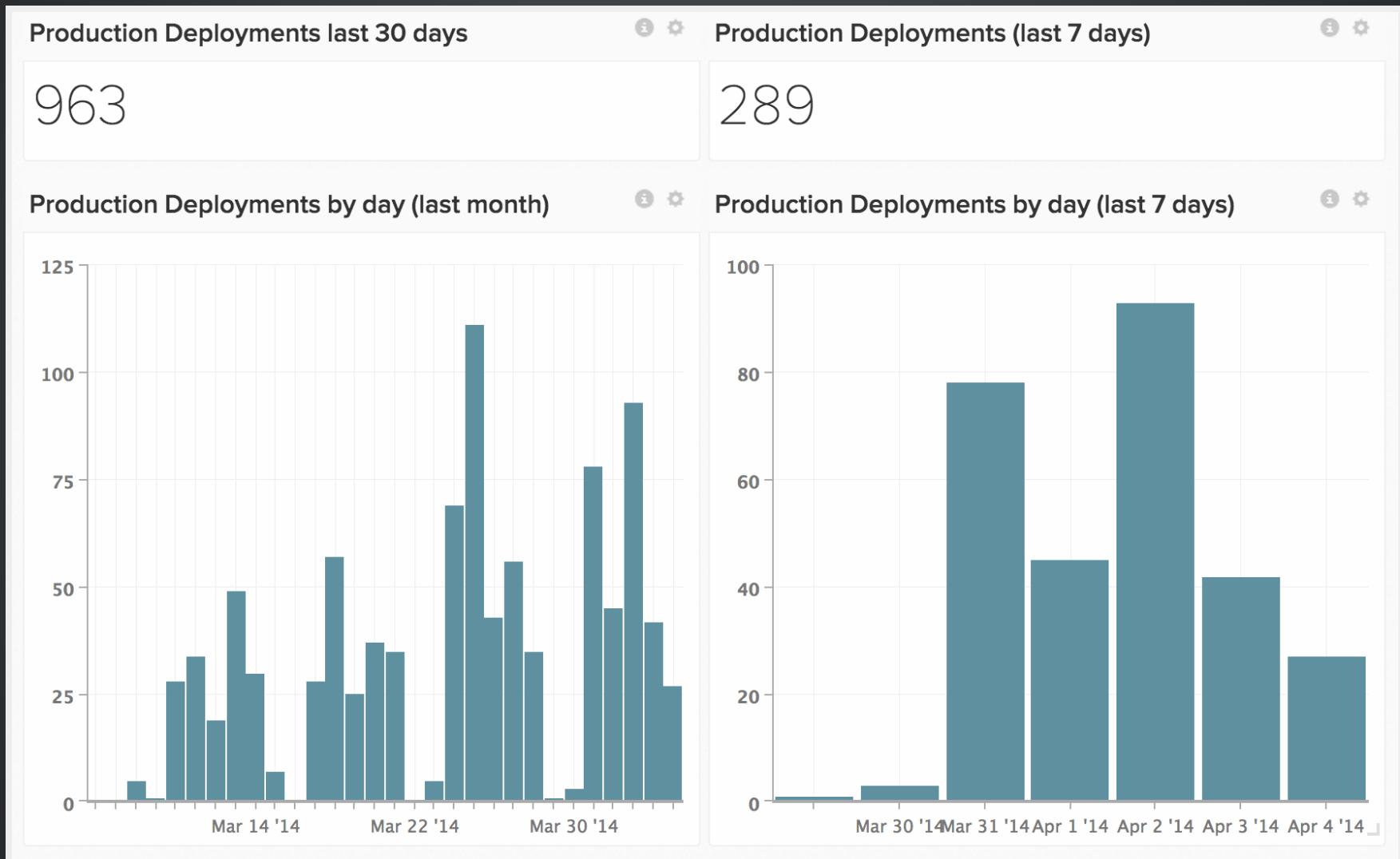


GRID
CREATE
DEPLOY
MAINTAIN

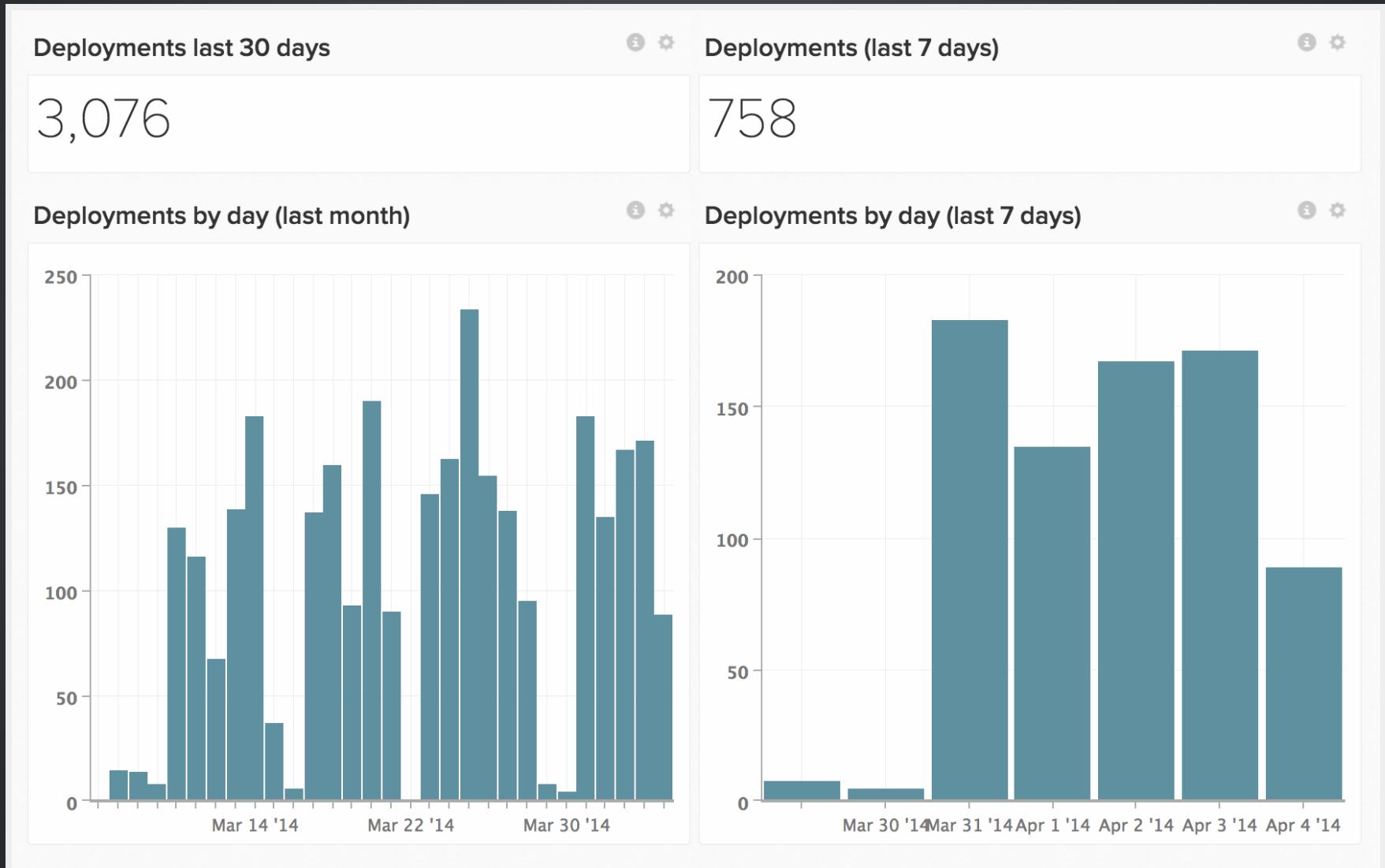
MULTIPLE ENVIRONMENTS

- Development
- Sandbox
- Staging
- Production

DEVELOPMENT SPEED



...IN ALL ENVIRONMENTS



SECURITY CONCERNS?

LEGACY APIs

/API/V1/HELLO.JSON

/API/**V2**/HELLO.JSON

/API/**V4**/HELLO.JSON

DUPLICATE FUNCTIONALITIES

SHARED FUNCTIONALITIES

DEPENDENCIES

REIMPLEMENTING THE WHEEL

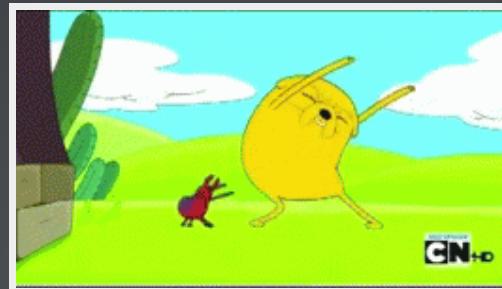
IS THERE HOPE?

FIGHTING BLOAT
DIVIDE FAT MICRO-SERVICES
REPLACE LEGACY MICRO-SERVICES
AUTOMATE!

INTEL
ANALYZE DEPENDENCIES
AGGREGATE VULNERABILITIES INFO
AGGREGATE SERVICE METADATA

WHY DO IT YOURSELF?
MULTIPLE PLATFORMS SUPPORT
INFORMATION SOURCE MASHUP
EASY TO EXPAND AND CUSTOMIZE
METRIC INTEGRATION FTW

SO WE WON?



NOPE.



HERE IS WHY:
LIMITED CONTEXT AWARENESS
SERVICES INTERACTIONS
ANALYSIS SPEED

???

Contacts

All Contacts Accounts

+ Add Import Filter Contacts

10 contacts sorted by Actionable Items + First Name

Base CRM

S

Support Team Base CRM

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Settings

Manage Account Manage Repository

Mobile and Desktop Apps Switch to Quotabase Tweet

Support Comments/Suggestions Privacy Policy Terms of Service

Logout

BUG BOUNTY

BUG BOUNTY



PENTEST
MONITOR
MEASURE

THANKS!