

Converging insightful, data-led applications with traditional web applications

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GOALS

- Brief introduction to how things have evolved
- Talk about what we have now
- Demo of this in practice
- Have fun!



ASSUMPTIONS

- You have written a web app at some point in your life
- You know some basics of Spark and such



WHERE ARE WE COMING FROM?





rLog-Command ===> http://www.sas.com/service/techsup/intro.html Online Documentation/Manuals are available at URL: http://support.sas.com/onlinedoc/913/docMainpage.jsp NOTE: No options specified. NOTE: 33554432 bytes were available above the line at initialization. NOTE: 4259848 bytes were available below the line at initialization. NOTE: 33838144 bytes were available above the line after adjustment for MEMLEAVE=524288. NOTE: The initialization phase used 8.08 CPU seconds and 9853K. NOTE: The address space has used a maximum of 712K below the line and 18488K above the line.

Program Editor-Command ===> 00001 88888 00003 88884 00005 88886 00007 88888 88888 00010 88811 00012 88813 00014

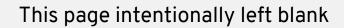


```
DATA temp;
   input 01 subj 4.
        06 f name $11.
        @18 1 name $6.
        +3 height 2.
        +5 wt date mmddyy8.
        +1 calorie comma5.;
   format wt date mmddyy8. calorie comma5.;
   DATALINES:
 1024 Alice Smith 1 65 125 12/1/95 2,036
 1167 Maryann White 1 68 140 12/01/95 1,800
 1168 Thomas Jones 2 190 12/2/95 2,302
 1201 Benedictine Arnold 2 68 190 11/30/95 2,432
 1302 Felicia Ho 1 63 115 1/1/96 1,972
 RUN:
PROC PRINT data = temp;
   title 'Output dataset: TEMP';
   id subj;
 RUN:
```



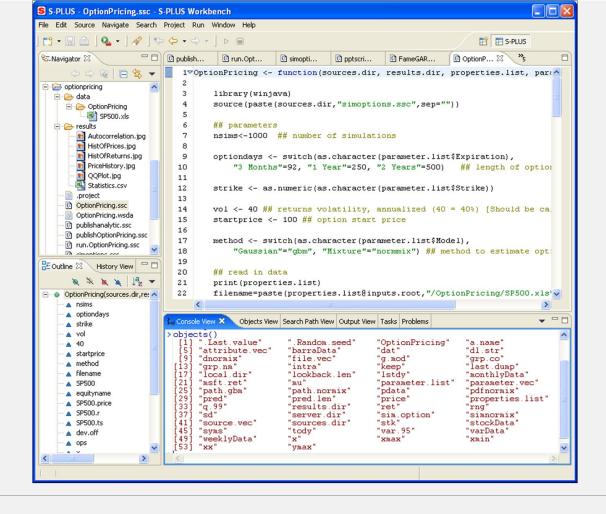
WHAT ABOUT APPS?



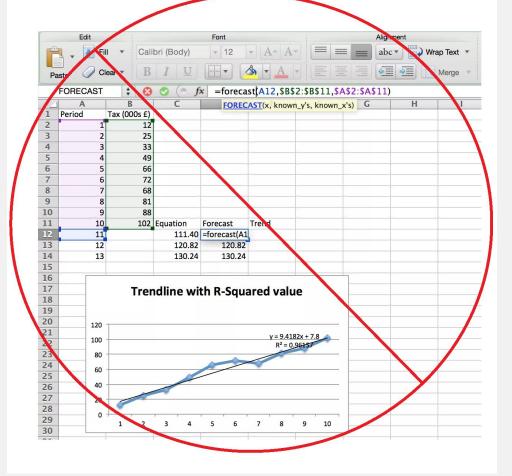




NEXT ERA S redhat. #redhat #rhsummit









Statlab - Yale University

Statlab home	Software	Schedules
AMT home	ITS home	SSLIS home



The Social Science Statistical Laboratory's World Wide Web site provides information about the Statlab and other social science resources at Yale, including the statistical datasets of the Social Science Data Archive.

About the Statlab

Schedules General Information

What's New

ITS Printing Information

Data

StatCat: Social Science

Data Search

Data on the Internet

Yale Roper Collection

Geospatial Resources

Census 2000 Resources

Other Yale Resources

Related

Schools/Departments

Desktop Support

The Circuit: ITS News

Software

Statlab Software Software at Yale

Teaching & Research

Social Science Research Services Teaching at the Statlab Technology Classrooms research.yale.edu

Internet Resources

Social Science Gateways (UCSD Data on the Internet **ICPSR**

Yale University Social Science Statistical Laboratory

Comments: stathelp@yale.edu URL: http://www.yale.edu/statlab Certifying Authority: Ann Green Last Modified: September 13, 2001 Copyright © Yale University, 1999



WELCOME TO PARADISE

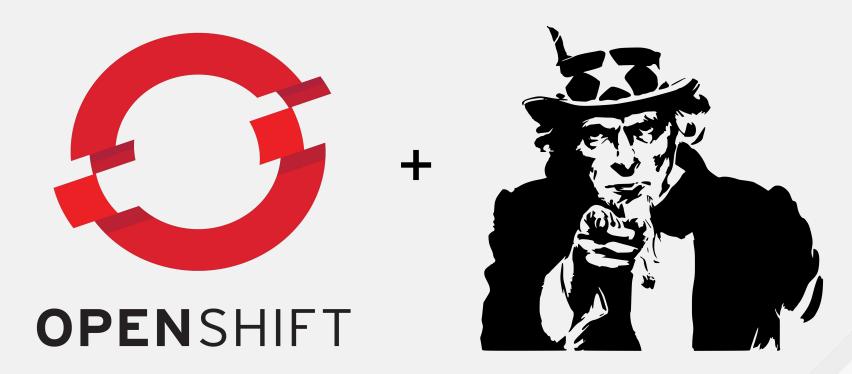


WE HAVE HAD SOME GREAT DEVELOPMENTS

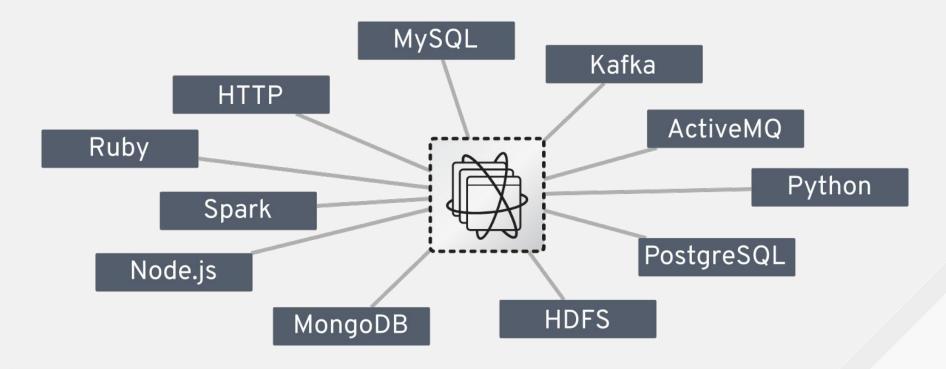
- People figured out how to make commodity hardware do great things
- Distributed software has gotten better
- Programming languages have gotten easier
- CS has put effort into statistical libraries
- The browser has grown up



WHAT DOES CONVERGENCE LOOK LIKE?

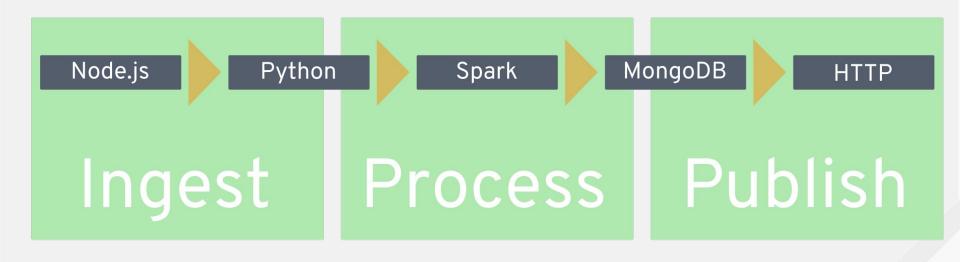


ARCHITECTING YOUR APPLICATION



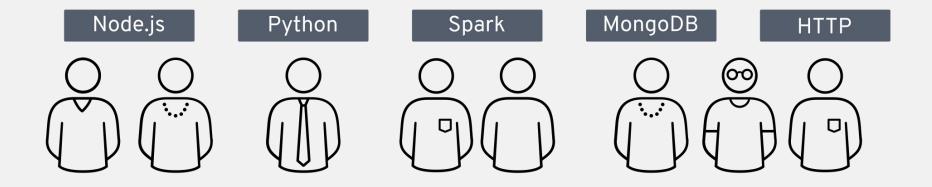


HAMMERING YOUR APPINTO SHAPE



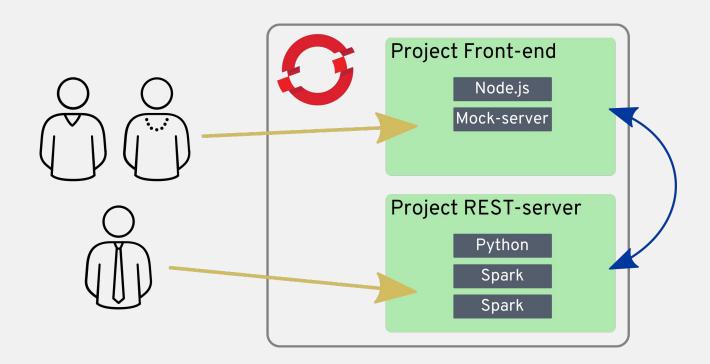


BUILDING AS A TEAM





TAKING IT TO THE NEXT LEVEL

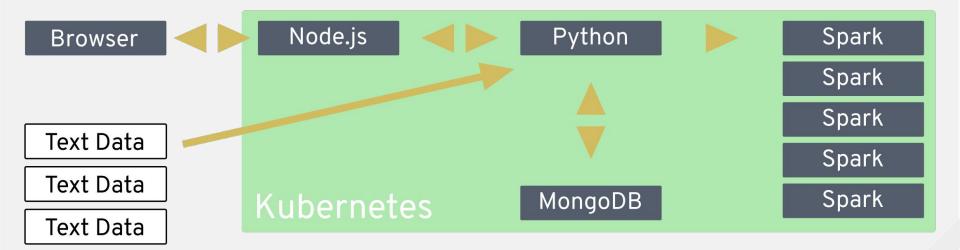




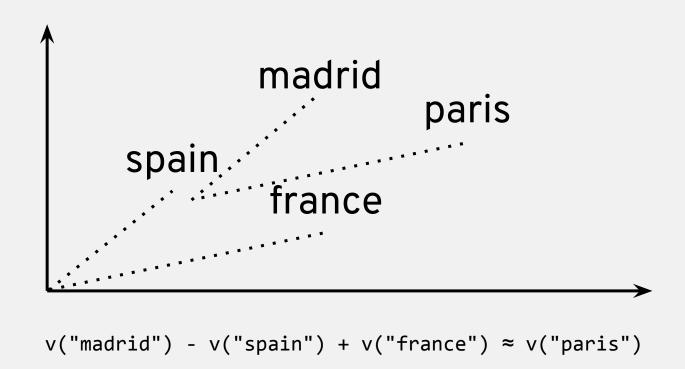
CASE STUDY: OPHICLEIDE



WHAT DOES IT DO?



WHAT IS WORD2VEC?





DEMO



THINGS THAT HELPED OUR COLLABORATION







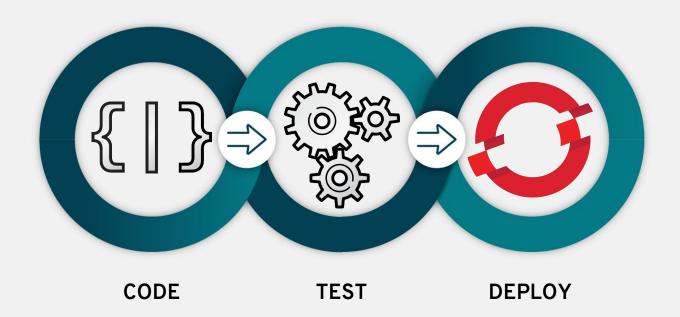


THINGS THAT REQUIRE GREATER COORDINATION

- API construction
- Compute resource affinity
- Persistent storage



WHAT ABOUT THE DEVOPS?

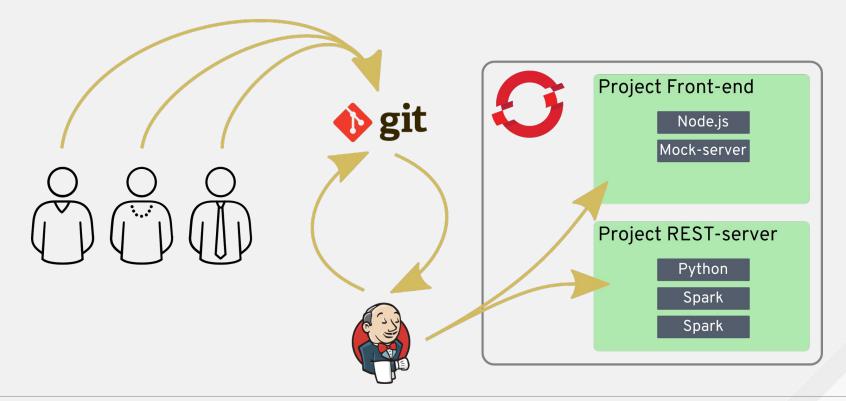




DEMO

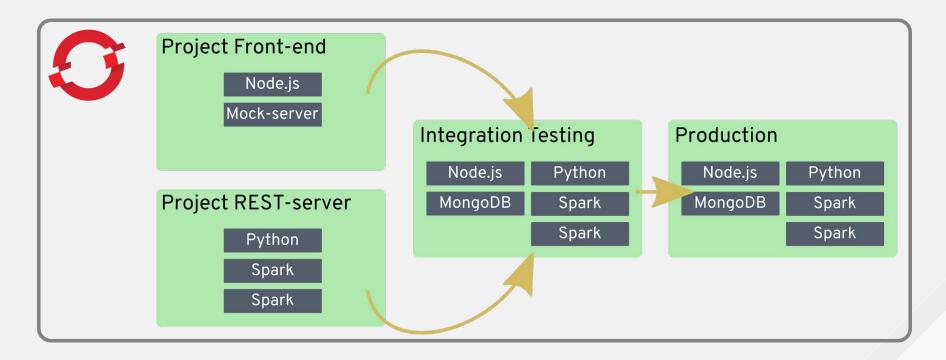


IMPROVING THE PROCESS





FROM DEVELOPMENT TO PRODUCTION



TEST DRIVE IT!

More projects, tutorials and examples can be found at

RADANALYTICS.IO





CONTACT US

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THANK YOU





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LEARN. NETWORK.
EXPERIENCE
OPEN SOURCE.

