



# Black Duck / Olliance / Ohloh Working to Support SciencePAD

Bill Weinberg, Senior Director  
Olliance Consulting  
a division of Black Duck

# Agenda

- Introductions
- Black Duck Software
- Olliance Consulting
- Ohloh.net
- Supporting SciencePAD
- Q & A

# Your Presenters



## **Bill Weinberg, Senior Director, Olliance Consulting**

With 25+ years open source, embedded, telecoms, and enterprise IT experience, Bill helps clients build and deploy open source strategies. His vision spans from cloud to mobile software to embedded systems to big data, with deep expertise in development tools, carrier-grade s/w, trusted computing, virtualization and real-time. A founding team-member at MontaVista Software, Bill pioneered Linux as the leading platform for intelligent devices. His cv includes Lynx Real-Time Systems (LynuxWorks), Acer Brazil, and Microtec, and roles as GM of the Linux Phone Standards Forum (LiPS), and Senior Analyst at Open Source Development Labs (The Linux Foundation). Bill is known for writing and speaking on wide-ranging topics - peruse his bibliography at <http://linuxpundit.com/articles.php>.

## **Andrew Aitken, SVP, Olliance Consulting**

In 2001 Mr. Aitken founded Olliance Group and brought together a team of industry veterans to provide strategy consulting to companies leveraging open source. In January 2005, Mr. Aitken spearheaded the software industry's only "think tank" on the future of open source, today a bi-annual event held in Napa, CA and Paris, France, and attended by leading CEOs and visionaries. He has served as an expert witness on the issues of open source to the California Senate and been an invited guest lecturer at Stanford's Entrepreneur program. Andrew has chaired and spoken internationally at multiple industry conferences, sits on the Board of Advisors of SugarCRM, DotNetNuke, and Funambol, and has personally worked with companies such as IBM, Microsoft, Intel and the U.S. Navy. In October 2009, he was voted one of the most influential people in open source by a survey of peers.



- Helping Developers Build Better Software Faster with the Power of Open Source
  - Modern software development relies on effective and informed use of open source technologies and methods
- For Customers
  - Award-winning software and consulting
  - Automation / tooling for OSS governance and compliance
- For Community
  - Black Duck connects developers to OSS resources with Ohloh.net,
  - Highlights commentary from industry experts on the Open Source Delivers blog.
  - Hosts the Open Source Think Tank, an international event where thought leaders collaborate on the future of open source

# Black Duck Customers

## Electronics



## Software



## Financial and Services



## Media



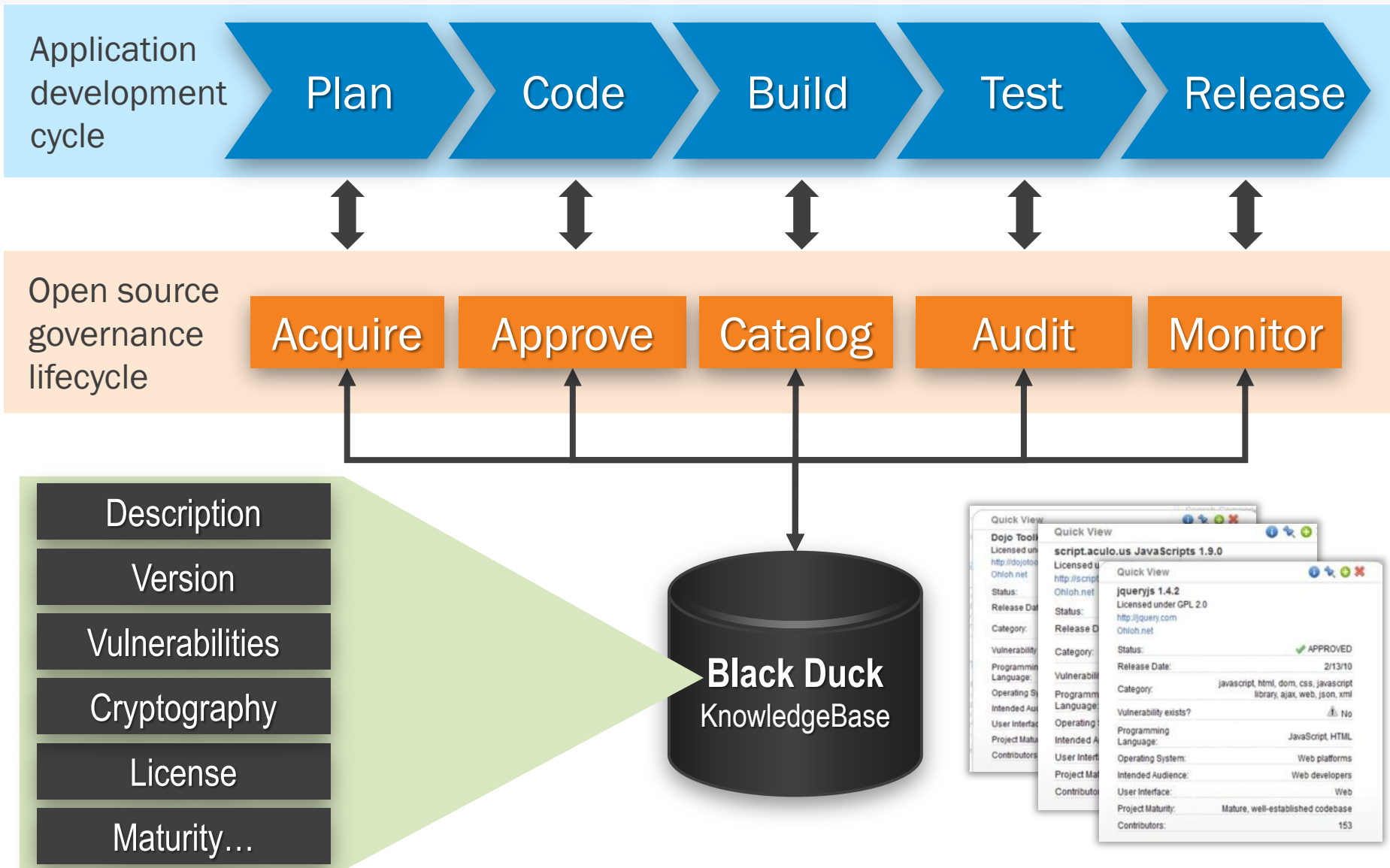
## Manufacturing



## Government

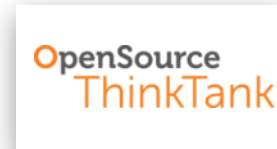
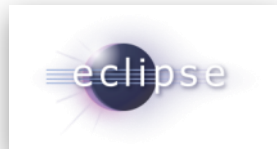
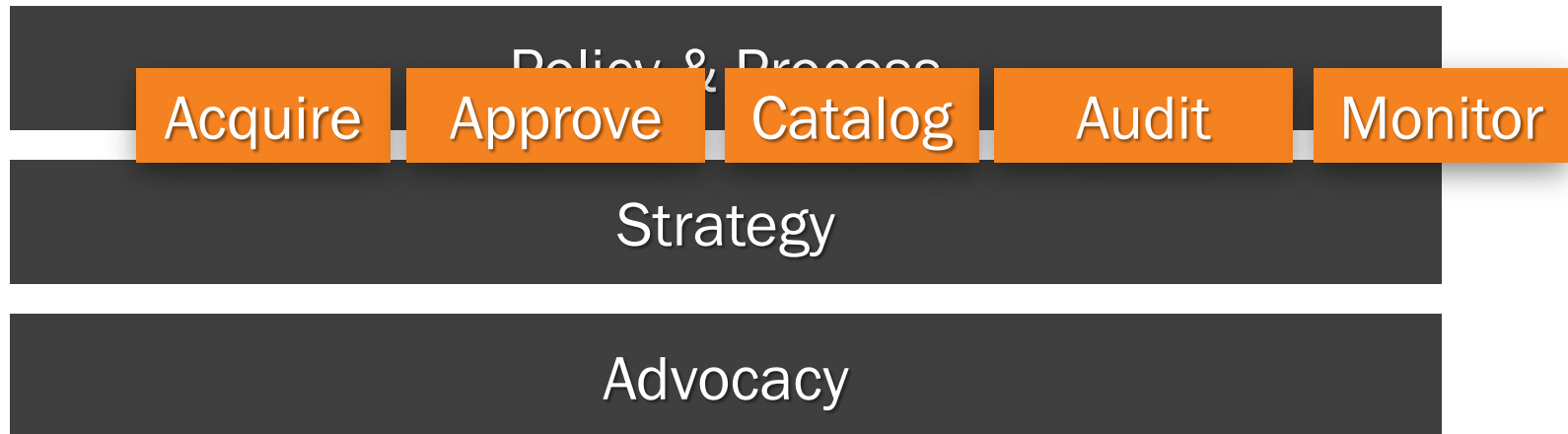


# Black Duck and Application Development



# What Do We Do?

BLACK DUCK | SUITE



# How Black Duck Can Support SciencePAD

- Available Governance Automation
- OSS Ecosystem Interface
- Expertise embodied in Olliance Consulting

**CODECENTER**

**PROTEX**





## *Open Source Strategy: Our Experience, Your Success*

The world's leading companies turn to Olliance to create and implement open source strategies to achieve business results. With more than a decade of experience and hundreds of engagements assisting companies ranging from start-ups to the world's largest corporations, Olliance creates innovative open source strategies for business success.

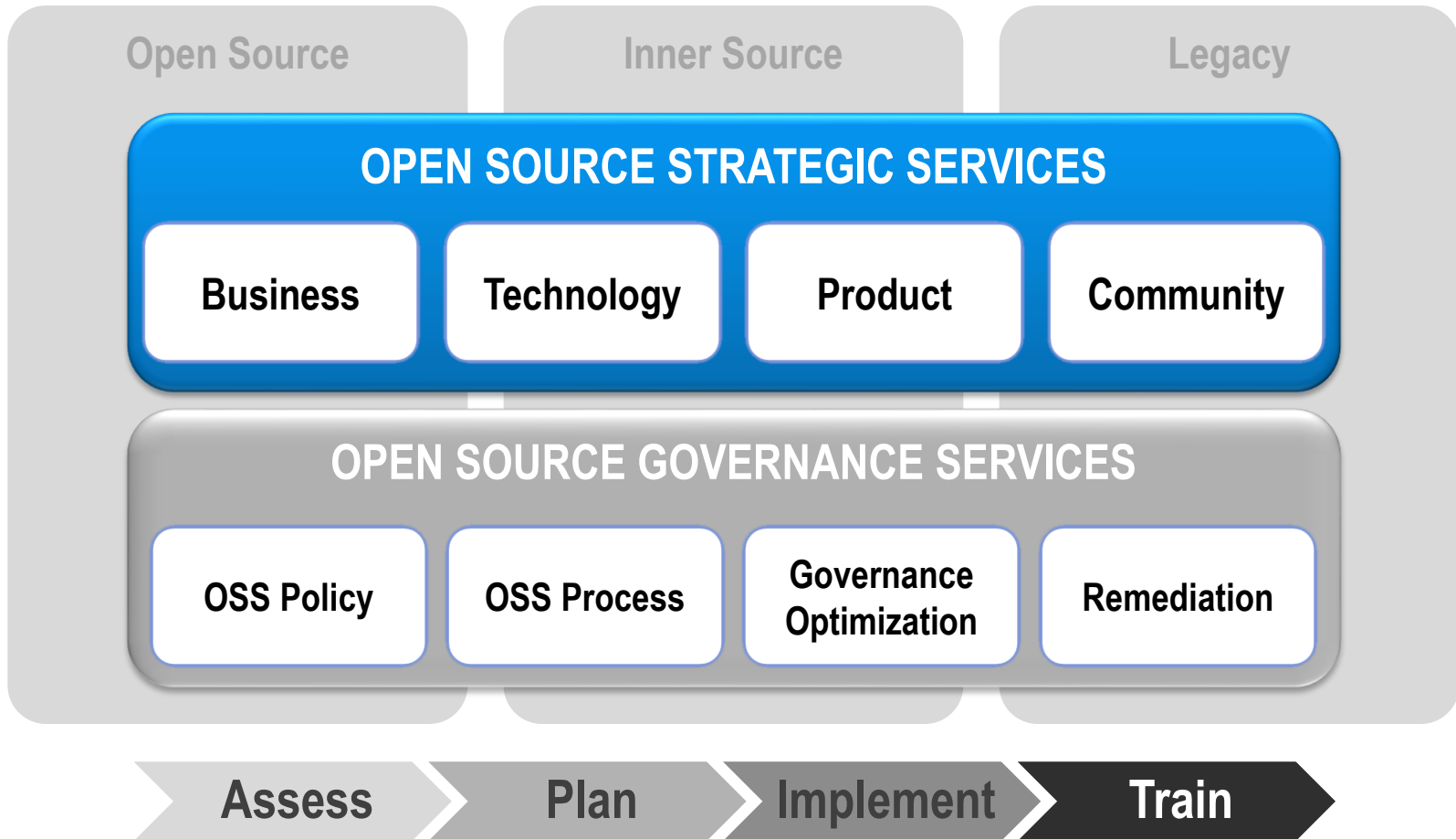
### **Profile**

- Open Source Software Industry's leading business consultancy
- Over **600** engagements to date
- **Trusted Advisor** to leading Fortune 2000 companies



NYSE Technologies

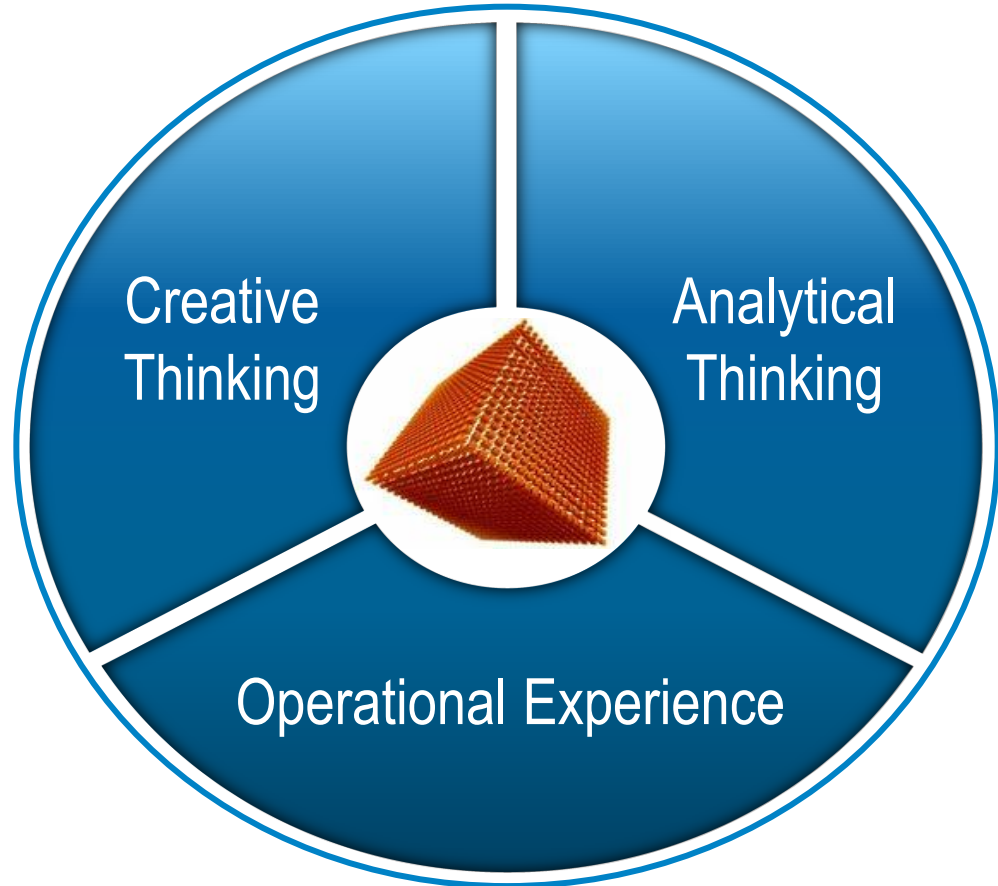
**Microsoft**



*Olliance also offers custom open source industry research services*

***Olliance brings a unique multi-dimensional approach to strategy problems***

## Engagement Content



## Engagement Process



# Inner-Source

*Increasing software velocity, cost savings and innovation through the harnessing of open source best practices, expertise and code from across the organization.*

Inner-source applies an open, transparent and meritocratic model of collaboration to corporate software development and innovation initiatives to enhance effectiveness, timeliness and ROI.



- Open Source / Community Strategy
- Deep Expertise in Methods and OSS Technology
- OSS Ecosystem Interface / Business Development
- Inner Sourcing
  - Applying OSS best practices to intra-organization development processes

# Ohloh.net – Tracking the World of FOSS



**Ohloh** BY BLACK DUCK

Follow @Ohloh Ohloh Meta Sign In Join Now

Projects People Organizations Tools Code

Discover, Track and Compare Open Source

Search Projects...

Counting 19,619,589,717 lines of code

Click to see an example project

### Join Now

- Claim your contributions
- Manage your project's data
- Highlight your use of FOSS

Join Now

### What's New

#### Project Activity Icons

- Compare projects
- At-A-Glance health
- Recent activity metric
- New projects flagged

#### MediaWiki

none	449
★★★★★	366 -402 (52%)
★★★★☆	319 +5 (1%)
none	Moderate Activity (50%)
★★★☆☆	293 +136 (80%)

Very High Activity

### Most Popular Projects

Mozilla Firefox	11837 users
Apache HTTP Server	8423 users
Subversion	8353 users

### Most Active Projects

KDE	3848 commits
Arch Linux Packages	3450 commits
GNOME	3375 commits

### Most Active Contributors

nick black	1763 commits
ALCARAZ Marc (aka eKameleon)	875 commits
ciceron	691 commits

- **Ohloh is a free, public directory** of Free and Open Source Software and the contributors who create and maintain it
- **Ohloh is editable by everyone** like a wiki. All are welcome to join and add new projects. Public review helps make Ohloh one of the largest, most accurate and up-to-date FOSS software directories available.
- **Ohloh is a community** It is not a forge and does not host projects and code. Ohloh connects to project source code repositories, analyzes code history and updates, and highlights contributors.
- **Ohloh tracks FOSS** demographics, reporting on the composition and activity of code bases, and aggregates this data to produce a dynamic picture of the FOSS world.

# SciencePAD and Ohloh

- Ohloh.net is a key destination for SciencePAD
- Ohloh can help SciencePAD participants
  - Discover potentially useful OSS components and tools
  - Understand OSS project demographics
  - Rate / rank competing projects, code bases, communities
- SciencePAD can also use Ohloh to
  - Track projects of ongoing interest
  - Create graphics showing project evolution



# Using Ohloh.net Web APIs



- Raw Calls

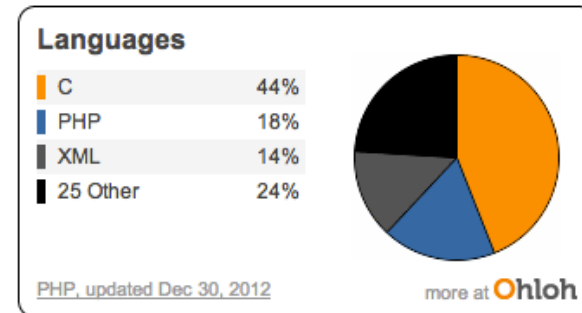
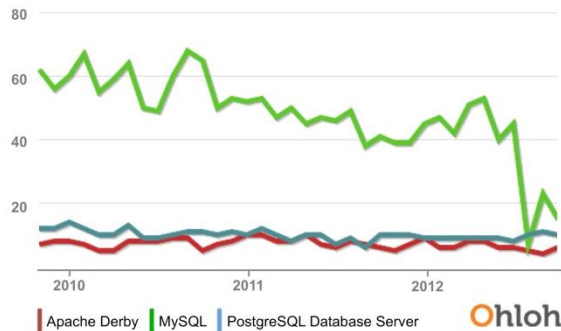
- [https://www.ohloh.net/p/compare\\_chart?metric=Codebase&project\\_0=PHP](https://www.ohloh.net/p/compare_chart?metric=Codebase&project_0=PHP) (Codebase Growth)
- [https://www.ohloh.net/p/compare\\_chart?metric=Activity&project\\_0=PHP](https://www.ohloh.net/p/compare_chart?metric=Activity&project_0=PHP) (Project Activity)

- Example Mashups

- <http://www.lp-analytics.com/olliance/projects/php.html>

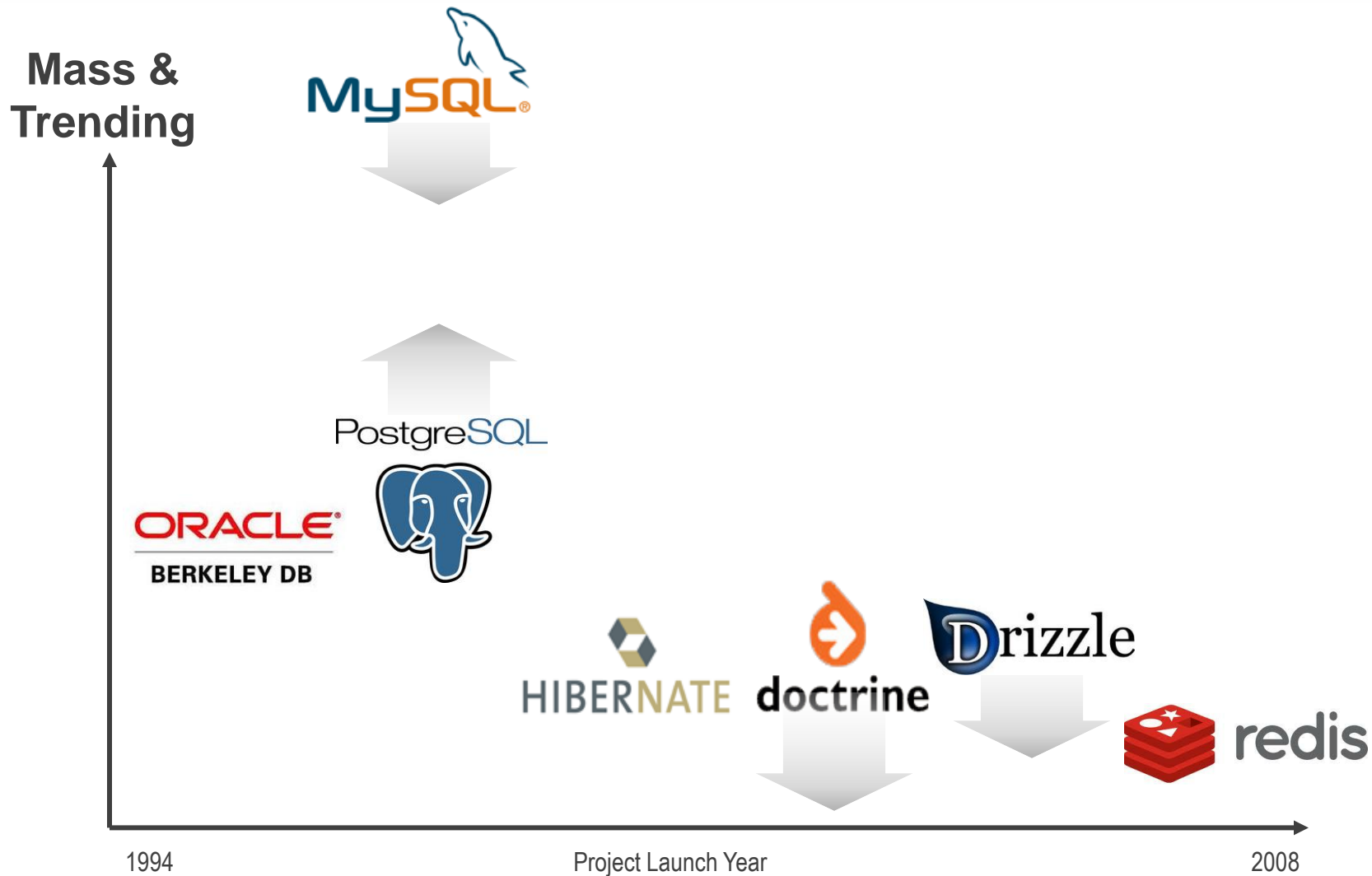
- Ohloh API reference

- <http://meta.ohloh.net/reference/>

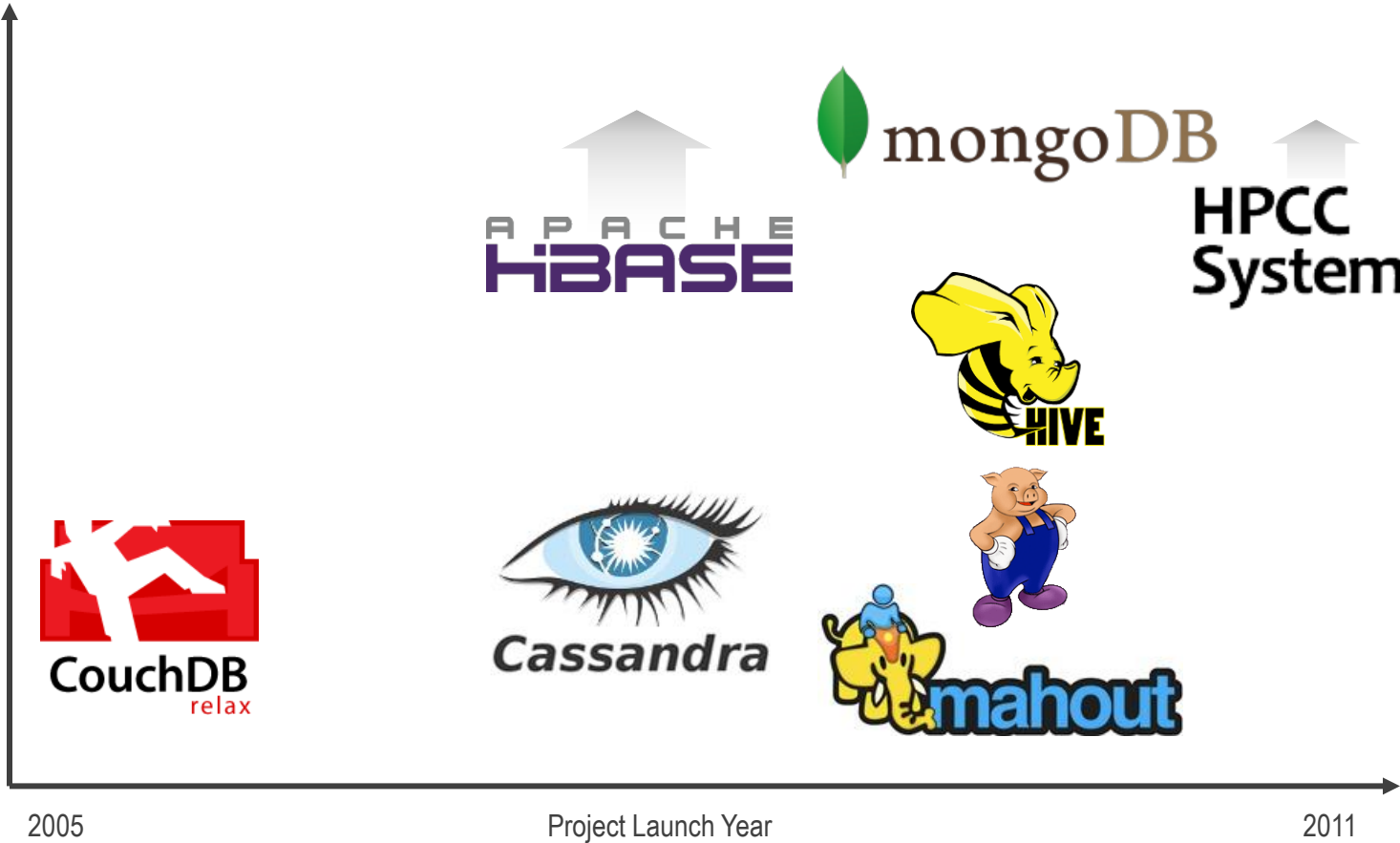




# Data Bases and Database APIs



Mass & Trending






# Wrap Up

- Black Duck / Olliance / Ohloh provide valuable partnership, expertise and resources to SciencePAD participants
  - Worldwide presence for a global project
  - Local/European support through Ex Machina
- Black Duck synergy with SciencePAD goals
  - Software nomenclature, Ohloh and SPDX
  - Helping all types of organizations streamline OSS governance
- Q and A

A circular logo icon consisting of three overlapping, curved lines that form a sense of motion or a stylized 'B' shape.

**BLACKDUCK**

This presentation provides a brief introduction to Black Duck, Olliance Consulting, and Ohloh.net, and highlight the roles of those organizations and their value to the SciencePAD initiative.

-  **BLACKDUCK** • Black Duck is the partner of choice for OSS adoption, governance and management to enterprises of every size, helping companies harness the power of open source technologies and methods for faster innovation, greater creativity and improved efficiency.
-  **OLLIANCE** Consulting  
A Division of Black Duck • Olliance Consulting, a division of Black Duck, helps organizations devise open source strategies to drive business and technology objectives, evaluating the maturity of open source software governance practices, developing management policy and processes, and automating these processes.
-  **Ohloh** • Ohloh.net, a Black Duck web property, is a free, public directory of Free and Open Source Software and the contributors who create and maintain it.

The presentation will demonstrate use of Ohloh.net as a tool for exploring the evolution of open source technologies and communities. In particular, it will show how technologies like cloud computing, big data and analytics and the database ecosystems are progressing, directly referencing output from using Ohloh open web APIs.