

# ISSUES IN WEB FRAMEWORKS

**Tim Bray**  
**Director of Web Technologies**  
**Sun Microsystems**

# Big Hot Issues

Scaling

Maintainability

Developer  
Speed

Developer  
Tools

Intrinsic

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Integration

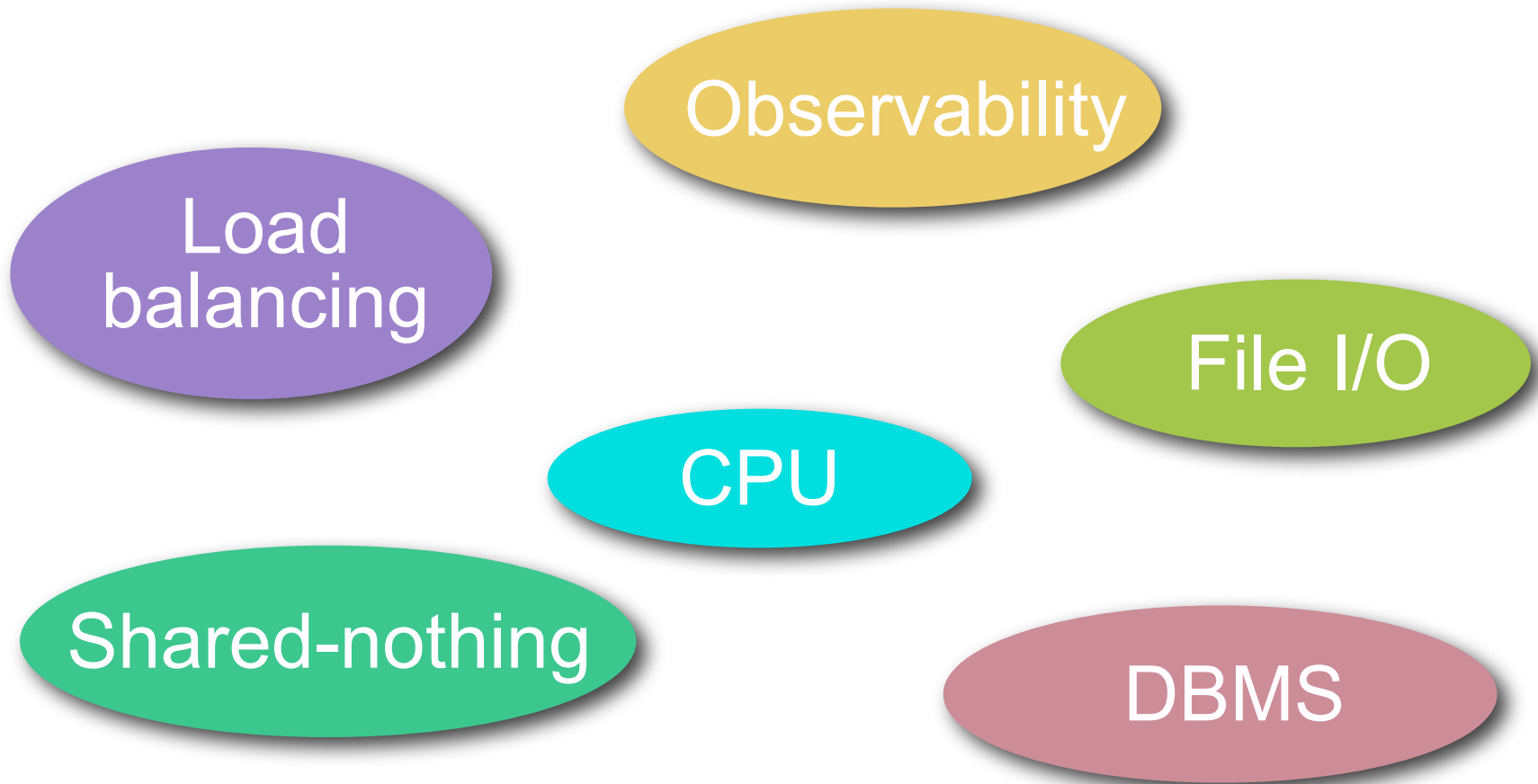
Identity

In-Stack

“Web 2.0”

External

# Issues in Scaling



# Issues in Developer Speed

Compilation  
step?

Code Size

Deployment  
step?

Configuration  
process

# Issues in Developer Tools

IDE

Templating

How many  
tools?

O/R Mapping

Documentation

Performance

# Issues in Maintainability

MVC

Code size

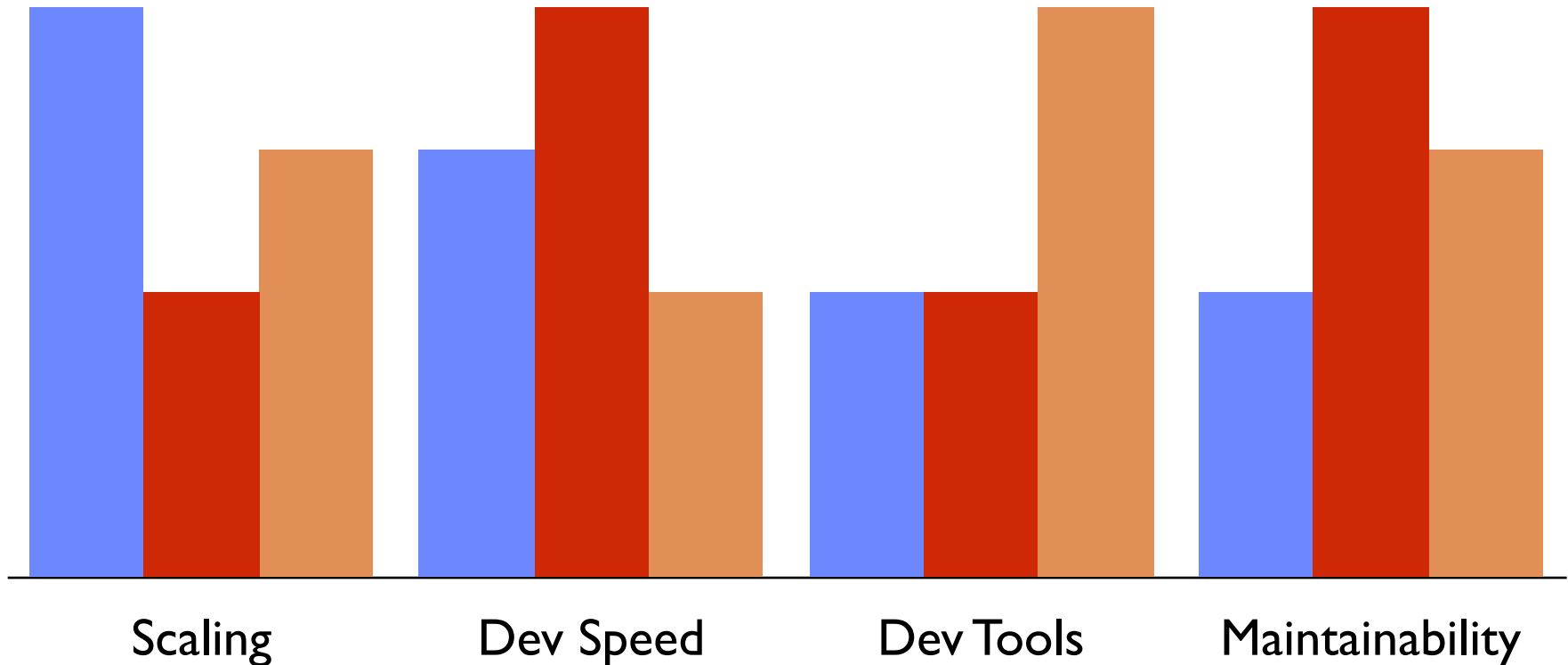
Language  
count

Object  
orientation

Readability

# Comparing Intrinsic

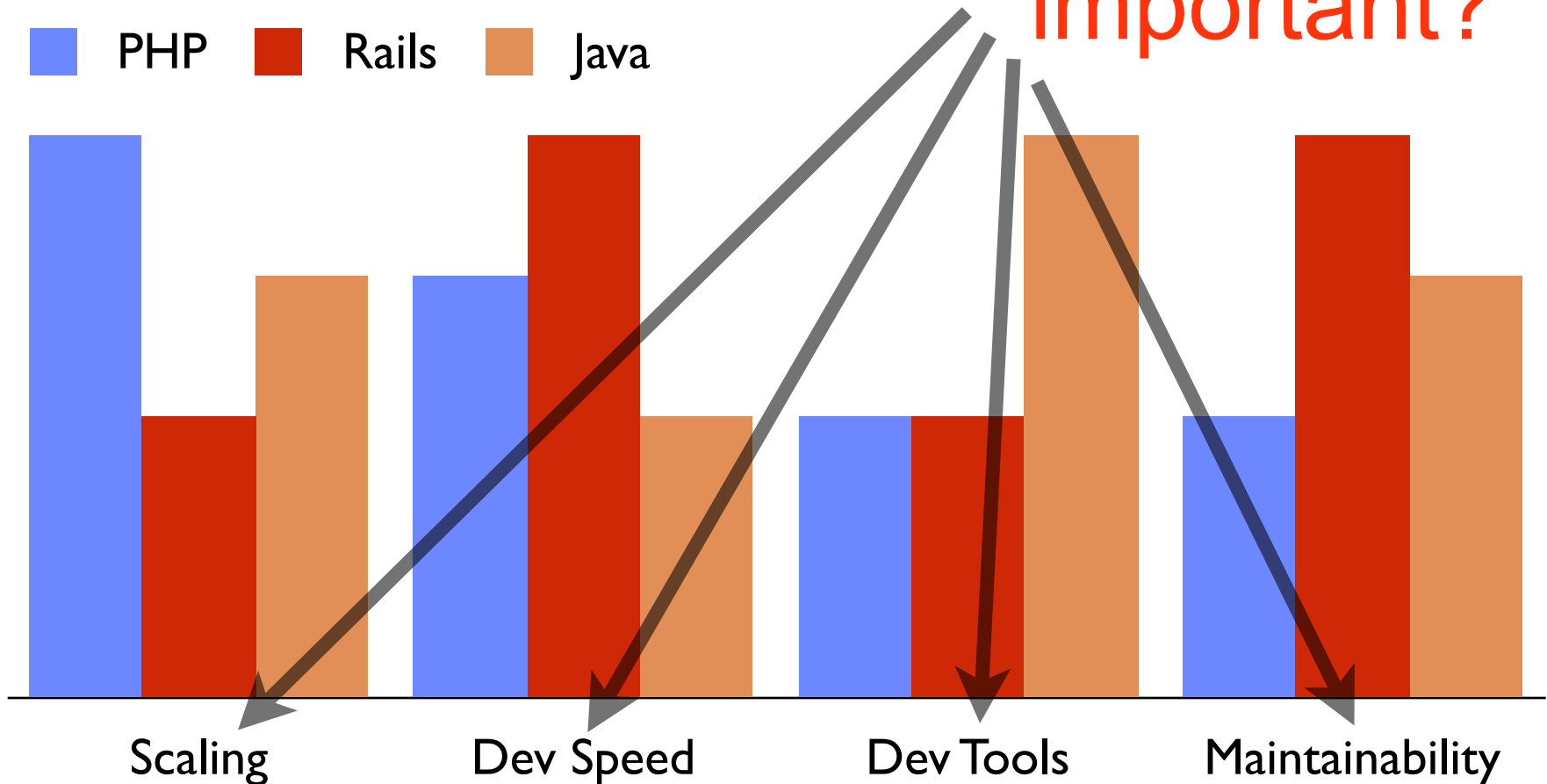
■ PHP
 ■ Rails
 ■ Java



# Comparing Intrinsic

Which is most important?

■ PHP
 ■ Rails
 ■ Java





# The Identity Problem

The usual approach: “Make a  
**USERS** table.”



## What is OpenID?

OpenID is an open, decentralized, free framework for user-centric digital identity.

OpenID starts with the concept that anyone can identify themselves on the Internet the same way

## About OpenID

- How It Works
- Presentations



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### THE LIBERTY ALLIANCE

In today's information economy, trust is the necessary foundation for secure interoperability, and central to the successful realization of what's possible on the Web. From the user perspective as well as that of the deploying organization, it's an issue of who is trusted with what...and that requires policy, business and technology understanding and


### News



Oct 9

Liberty Alliance Unveils ID-WSF 2.0 Web Services Standard Final

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## Windows CardSpace (formerly "InfoCard")

Windows CardSpace (formerly "InfoCard") is a Microsoft .NET Framework version 3.0 (formerly WinFX) component that provides the consistent user experience required by the identity metasytem. It is specifically hardened against tampering and spoofing to protect the end user's digital identities and maintain end-user control.

# Superpatterns

Pat Patterson on Identity Management, Federation and Single Malt Scotch



**All** | General | Federation | Access Manager | Toys | Whisky | Books | Identity | OpenSSO | About Me | Links

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20

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## Q&A on the OpenSSO SAML 2.0 PHP work [OpenSSO]

Yesterday I announced the first drop of my SAML 2.0 PHP code. I've had a few questions since then - here they are,

with answers:



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## lightbulb

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Summary **Federated identity integration for LAMP and MARS**

Categories **None**

License [Common Development and Distribution License](#)

Owner(s) [superpat7](#)

### Description

Lightbulb brings federated identity to LAMP and MARS developers. Tools for interpreted languages such as PHP, Ruby and Python integrate with Sun's open source Java federation software.

# Stack Integration Options

Download &  
build: Apache,  
PHP, MySQL,  
add-on  
packages.

Vendor-  
integrated  
LAMP stack.



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### Project Tools

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## CoolThreads Optimized Open Source Software Stack (Cool Stack)

for the Sun Solaris Operating System(TM)

### Overview

Cool Stack is a collection of some of the most commonly used open source applications optimized for the Sun Solaris OS platform. By using these binaries you will enjoy the best levels of performance from your system, while also reducing your time-to-service.

# Apache, MySQL, PHP, Perl, Squid

[cooltools.sunsource.net/coolstack/index.html](http://cooltools.sunsource.net/coolstack/index.html)

# External integration Issues

PHP will **never** go away.

Rails will **never** go away.

Java will **never** go away.

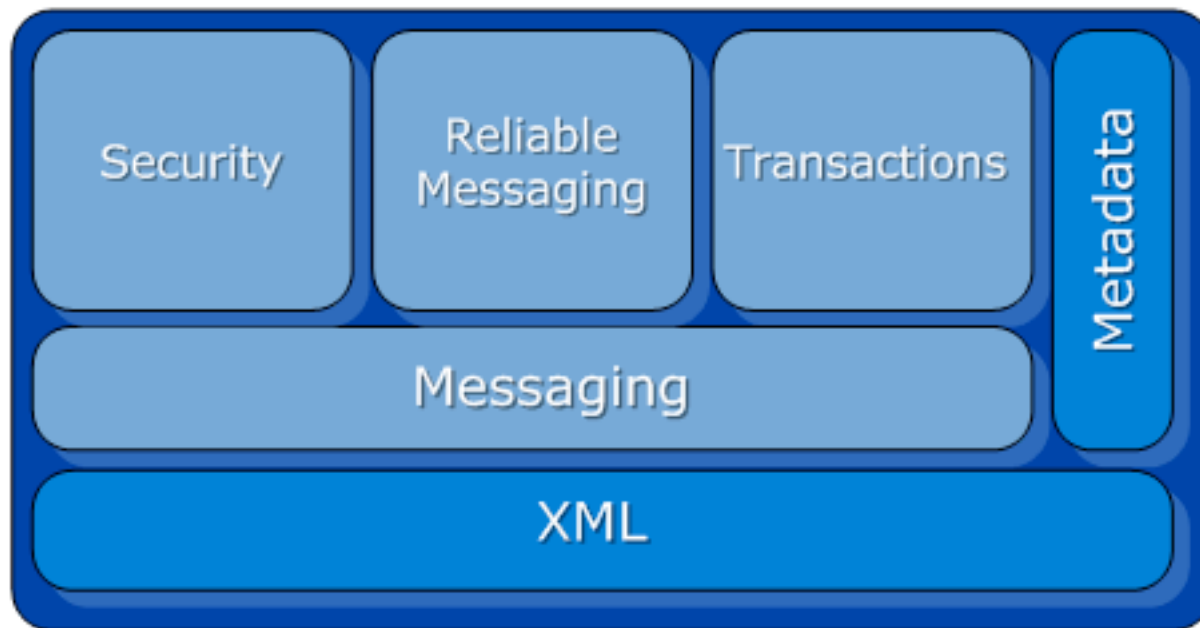
.NET will **never** go away.

The network **is** the computer.

The network is **heterogeneous**.

*How do we get work done?*

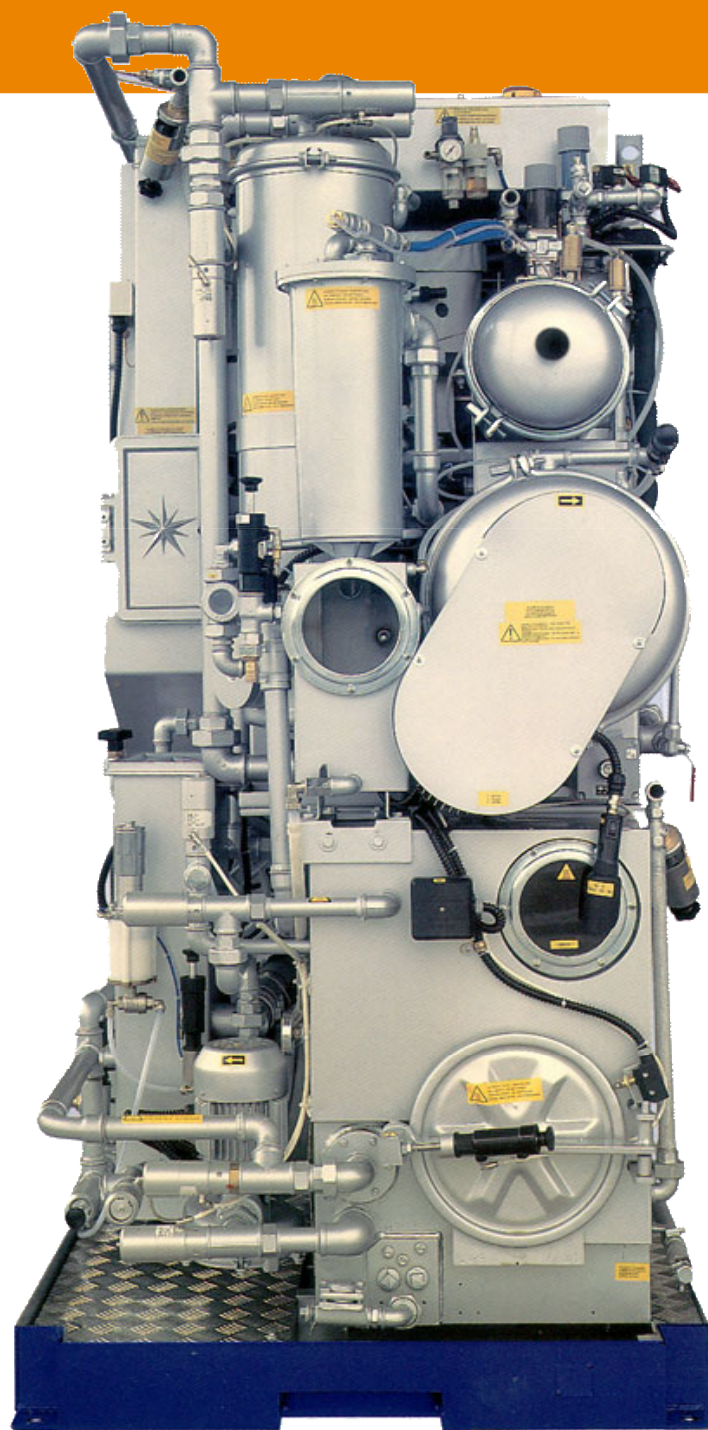
# SOA: WS-\* is the Official Answer



**36 specs, about 1,000 pages total.**

([msdn.microsoft.com/webservices/webservices/understanding/specs/default.aspx](http://msdn.microsoft.com/webservices/webservices/understanding/specs/default.aspx))

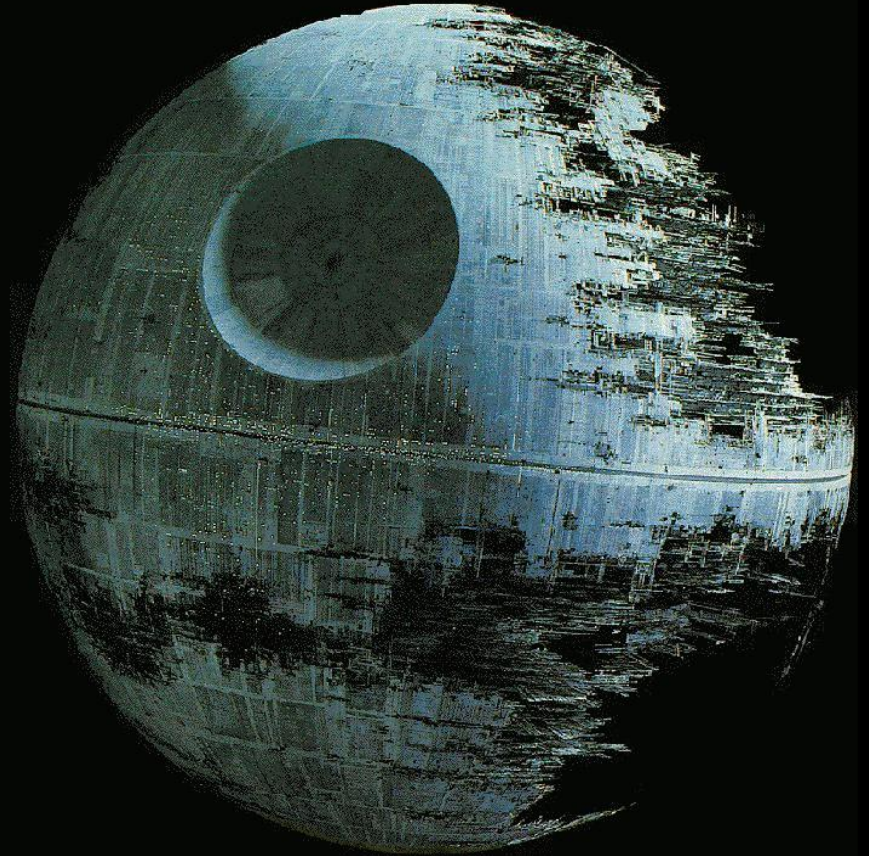
# Is WS-\* A Little Bit Too Complex?





# SOA: An Alternative View

WS-



# Web Services: The Alternative

Be like the Web!

The theory: REST (Representational State Transfer). The practice: XML + HTTP. In action today at: Google, Amazon, AOL, Yahoo!, many others.

One way or another,  
we have to integrate.

# “Web 2.0”



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## Web 2.0 Principles and Best Practices

## Why Web 2.0 Matters and How You Can Make the Most of It

Insight and Practical Tools for Success

O'REILLY RADAR REPORT

### Web 2.0 Principles and Best Practices

Web 2.0 is here today—and yet its vast, disruptive impact is just beginning. More than just the latest technology buzzword, it's a transformative force that's propelling companies across all industries towards a new way of doing business characterized by user participation, openness, and network effects.

# web2.0 SUMMIT

November 7–9, 2006  
San Francisco

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## Third Annual Web 2.0 Summit

The Web 2.0 Conference was just re-named Web 2.0 Summit. Read more [here](#).

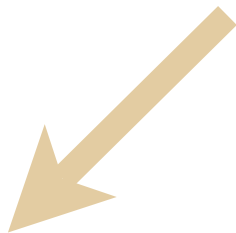
Web 2.0 Summit is now underway. Check out all the news, announcements and photos live from San Francisco on the [News & Coverage](#) page.

*The No. 1 factor that contributed to our success over the past seven years is luck.*  
– Sergey Brin

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**Tim.Bray@sun.com**

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