

Welcome



Creating New Value from Web API's

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BIO:

- Expertise with SOA Appliances
- Experience in IT architecture and enterprise integration

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WebSphere Product Marketing

- Ensure DataPower appliances meet customer needs
- Expertise on DataPower for Edge of Enterprise





Overview

SERIES FOCUS

SOA-based building blocks for a reliable security and integration gateway for your enterprise, for the edge -- and beyond.

- Quickly and cost-effectively secure and govern workloads in a connected world
- Extend securely and optimize your enterprise services & data
- Centrally secure, rapidly connect applications across platforms, devices and channels

TODAY'S AGENDA

Creating New Value from Web API's

- How Web APIs are 'game changers' for IT, dev communities & business models
- Ways to prepare your company to enter the API Economy
- Technical Drill Down IBM Cast Iron Live Web API Services (features, demo)

View Other IBM 'Edge of Enterprise' Series Webcasts (On Demand)

- Security and Integration in a Wider-Connected World
- Secure, Optimize and Govern B2B Services on DataPower
- A 2013 Competitive Review of SOA Appliances



For Best Viewing

- All speaker slides available (Breakout Sessions) Download Slides link under the Breakout Session viewing area
- Added list of valuable downloads Whitepapers, Datasheets, etc.
- To ask speaker questions

Type into the question box under the viewing area



Creating New Value from Web API's

Securely and Rapidly Create, Socialize, and Manage Business API's to engage with a Developer Ecosystem

Hasan Jilani WebSphere Product Marketing Manager

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Agenda

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- The Business of API's
- How to Enter The API Economy Overview of Cast Iron Live Web API Services
- Demo How to Build a Simple API Assembly



The Market Pressure



The explosion of devices and channels

- How do you support delivery of your services and products on all of these devices?
- Applications are smaller, more focused, and come and go very fast – How do you keep up with the rate of change?
- Competitive pressure forcing the need for faster innovation
 - How do you foster innovation to beat out competition?
- Partnerships need to be established quicker and connected quicker
 - How do you create new partnership fast which our outside of your normal interactions?
- Brand loyalty is always under attack
 - How do you get and maintain brand loyalty?



The Web Beyond the Browser

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<u>TRW</u>	

Businesses are Evolving	stores (800) ###s web sites Web APIs are the new, fast-growing business channel
epy	"\$7bn worth of items on eBay through APIs" Mark Carges (eBay CTO)
twitter	"The API which has easily <i>10 times more traffic</i> then the website, has been really very important to us." Biz Stone (Co-founder, Twitter)
amazon webservices™	"The adoption of Amazon's Web services is currently driving more network activity then everything Amazon does through their traditional web sites." Jeff Bar (Amazon evangelist) / Dion Hinchcliffe (Journalist)
W	leb 1994 was the "get me a domain and a page" era.

Web 2000 was the "make my page(s) interactive and put people on it" era. Web 2010 is the "get rid of pages and glue APIs and people together" era." Robert Scoble (Author of tech blog Scobleizer)

Not having an API today is like not having a Web Site in the '90s

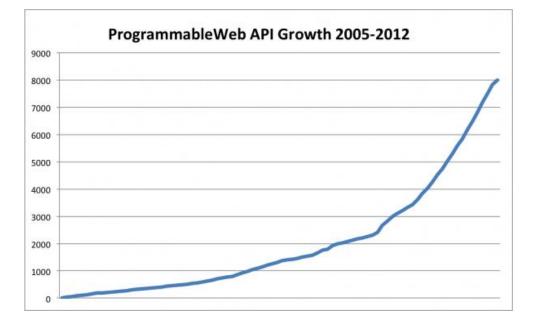


The Pulse of APIs in the Market

November 26th, 2012 – 'Enterprises rarely move as quickly as the rest of the web. Many, including us at ProgrammableWeb, have been saying for some time that big companies will embrace the open API movement. It appears this may be happening in earnest now, as our directory hits the milestone of 8,000 APIs.'

http://www.programmableweb.com/

Company	APIs	Most Popular
Twitter	3 + <u>101</u>	Twitter API
Google	96	Google Maps API
<u>Yahoo</u>	51	Flickr API
<u>XIgnite</u>	43	Xignite Realtime Stock Quotes API
Microsoft	33	Microsoft Bing Maps
AOL	30	MapQuest API
Amazon	23	Amazon Product Advertising API
<u>Orange</u>	19	Orange Location
<u>eBay</u>	18	eBay API
Ericsson	16	Ericsson Web Maps
New York Times	14	New York Times Article Search
<u>Yandex</u>	10	Yandex Search API
AT&T	9	US Yellow Pages API
Salesforce.com	8	Salesforce.com CRM API
<u>USA Today</u>	8	USA Today News API
Facebook	8	Facebook API
Rackspace	6	RackSpace Cloud Servers API
<u>Telenor</u>	6	Telenor Payment
InfoChimps	5	InfoChimps Twitter
Deutsche Telekom	5	Deutsche Telekom Send SMS API
SingTel	5	SingTel Messaging API
T-Mobile	5	Developer Garden API
<u>Telefonica</u>	5	BlueVia Location API
Pearson	3	Longman Dictionary API
<u>Vodafone</u>	3	Vodafone Geolocation
Verizon	2	Verizon NavBuilder LocationKit





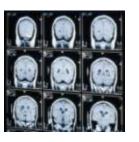
Web APIs are Emerging Across All Industries



Energy and Utilities



Government



Healthcare



Transportation

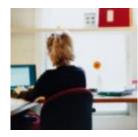


<u>irm</u> 🔅

Retail



Banking



Insurance



Teleco



Chemical and Petroleum



Electronics



Agenda

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The Basics Of an Web API

What is an Web API?

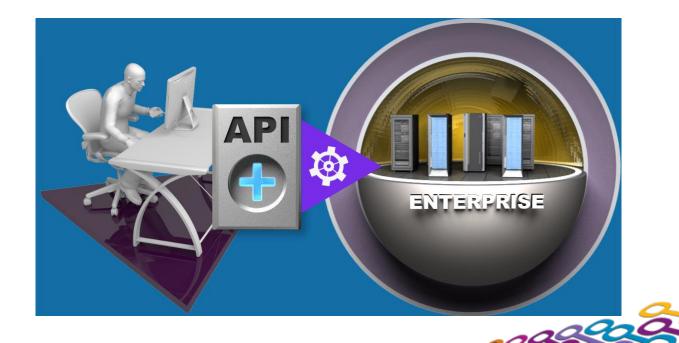
- An web API is a *public persona* for an enterprise; exposing defined assets, data or services for public consumption
- An web API is *simple* for app developers to use, access and understand
- An web API can be easily invoked via a browser, mobile device, etc

What Value Does an Web API Provide?

 Extends an enterprise and opens new markets by allowing external app developers to easily leverage, publicize and/or aggregate a company's assets for broad-based consumption

What "assets, data or services" are exposed via an Web API?:

- Product catalogs
- Phone listings
- Insurance cases
- Order status
- Bank loan rates



Understand Value Chain In an API Economy

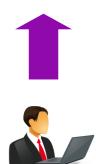


The End Users need to receive value form using the application. What do they gain?





 The Application Developer finds the web API and creates the applications. There needs to be a value for the developer to develop on your web API.



 The Business Owner owns and understands the value of the Business Asset. Decides which assets to make available. Understands the value the web API will return



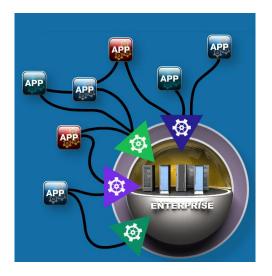




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The Economy of API's

- Web APIs become like a Product in their own right and need to be nurtured
- Web APIs will affect your business channel structure and you need to be aware of how
- Web APIs need a business strategy



Strategize and Establish Goals



- Drive Revenue Through New Channels
- Drive Brand Recognition
- Faster Integration with Partners
- Faster Delivery of Mobile Apps
- Increase Customer Satisfaction

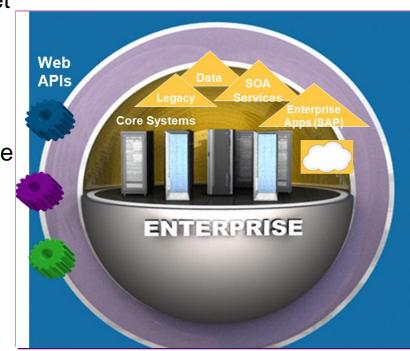


How do You Choose Which Business Assets To Expose?



Will this business asset support the goal or object of your web API Strategy?

Who is going to use the web API?



Why Would the Developer Want to Use this web API

What applications do you envision being created with this web API

 How will the exposition of this asset affect my business



What Business Model Will You Choose



For Free

- Drives Adoptions of APIs
- Typically low valued assets
- Drive brand loyalty
- Enter new channels



Developer Pays

- Business Asset must be of high value to the Developer
- For example, marketing analytics, news,

 Capabilities such as credit checks



Developer Gets Paid

- Provides incentive for developer to leverage web API
- Ad placements
- Percentage of revenue sold product or services



Tiered

- Offer varying service levels and capabilities
- Free up to a point then paid

Legal !!!



- What Are the Terms and Conditions For Use of the web API
 - The web API provider company logo must be displayed with the content
 - The content must be displayed in Full
 - The web API provider reserves the rights to revoke access
 - How will you enforce the Terms and Conditions
- Other Legal Conversations
 - Sharing of personal information
 - Import / Export regulations



Socialize, Market and Drive Adoption of the Web APIs How to Attract the "Alpha" Application Developer

- Understand developer motivation for using your web API
- Make the web API easy to find for the intended audience
- Supply supporting documentation and the ability to raise issues, request help
- Provide Tools such as testing tools, Widget Generators
- Provide ideas for possible apps and socialize successful apps
- Establish a community use Social Media

•Go Where the Developer Hang Out

- Assign a Product Manager for your web APIs who is business savvy and technically knowledgeable
- Have resources from your project team





How Do You Evaluate Success?

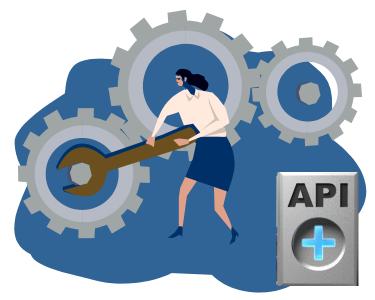
- It Depends On your Business Strategy for Your Web APIs
 - Number of transaction through the web API
 - Number of clicks through to your website
 - Number of Ads that were displayed via the web API
 - Revenue generated from products or services sold over the web APIs
 - Increase in customer satisfaction of your services
 - Increase in brand recognition
 - Number of partners you were able to on board quickly
 - Revenue generated by use of the web APIs themselves

Define the success metrics at the start and have a mechanism to capture and report them!



Plan for The Future and Adjust

- Web APIs are like a product.
 - You can't just let them sit there if you want your business to grow
- Other companies are competing for your Application Developers
 - You need to provide the application developer the web API with the most value
- Use analytics to help you adjust
 - Understand the five W's of your web APIs usages
 - Who, What, Where, When and Why





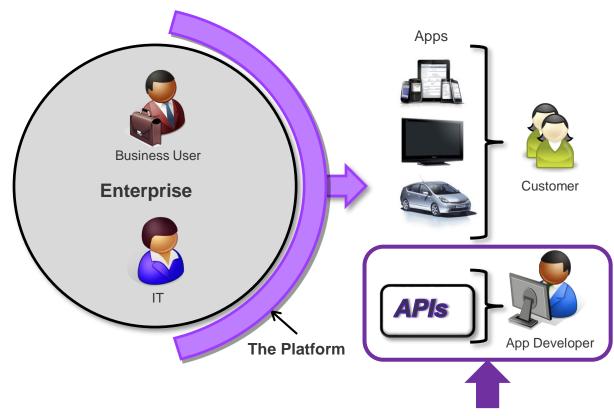
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Companies Need a Single Platform to Become an Engaging Enterprise





Enterprises wants to tap into innovation from a large community of developers, not just developers they employ

- Business Users want to engage Customers in new markets
- They need to **Externalize** the **Enterprise**
- They need to get **Apps** in front of these **Customers**
- Apps need APIs that Externalize the Enterprise
- App Developers use APIs
- App Developers are now External to the Enterprise
- IT Guys need to secure, scale and support the externalized Enterprise
- Business Users and IT Guys needs Insights so they can respond to business needs

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IBM WebSphere Cast Iron Live – Web API Services A Single Solution to Create, Socialize and Manage Web APIs

DevOps Dashboard

for easy assembly of new APIs and to secure and manage APIs from an IT Ops

perspective

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Application Developer Portall with Self-Service registration and with hooks into social communities



Business Ops Dashboard

with analytics and controls to publish APIs, document APIs, set quotas, manage communities and monitor service levels





Create APIs Through A Single DevOps Dashboard

Create New API in Days Through Configuration

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Socialize The APIs Through A Branded Developer Portal



Configuration Not Coding when Branding Portal

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Manage API's with Business Controls

Manage External Experience

• Self documenting APIs

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- Ability to add samples and tutorials
- Control Visibility Of APIs

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App Develope	rs			
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Name	E-mail	Active Since	Invocations this Month	1
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lauraolson2009 IBM	lauraolson2009@gmail.com	Jun 11, 2012 8:14:29 PM	20	
Policy API		Jun 18, 2012 3:11:40 PM	Calls	0
Client API		Jun 11, 2012 8:15:41 PM	Calls	0
Registry API		Jun 18, 2012 3:16:41 PM	Calls	15
GWC SAMPLE API		Jun 20, 2012 9:09:49 AM	Calls	10
Acme HR API		Jun 20, 2012 4:45:46 PM		-
lauramenke IBM	lauramenke@hotmail.com	Jun 12, 2012 7:37:25 AM	Calls 0	0
Policy API		Jun 12, 2012 7:38:36 AM	Calls	0
Client API		Jun 12, 2012 7:38:36 AM	Calls	0



Manage Through Analytics and Metrics

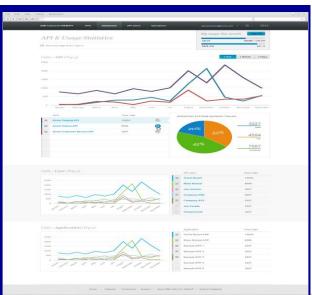
- Analytics for APIs and Apps
- General free form searches
- Structured Filtered Searches
- Average response time metrics



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EmployeeAPI Test Cases.docx Test Cases This document provides test cases for the API	ũ
http://www.github.com/acme Sample application This is a sample application showing the use of the API	Ĩ

Manage Developers

- Approve requests
- Send email
- Block a developer
- View usage





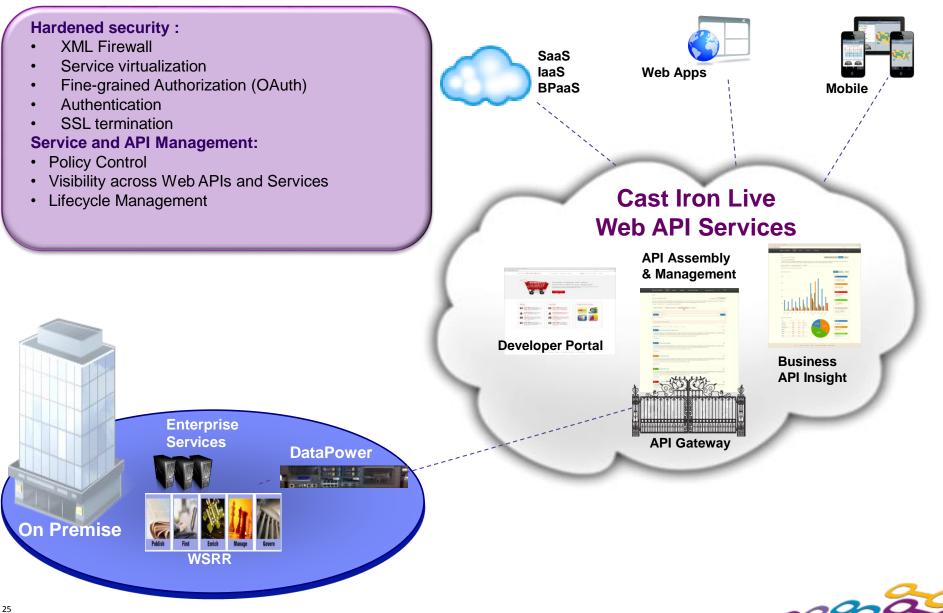
Complete Enterprise Service and API Management Solution

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Demo: Build a Simple API Assembly Using Cast Iron Live Web API Services

Dinesh Shetty Senior Certified IT Specialist, ISSW, IBM Software Group



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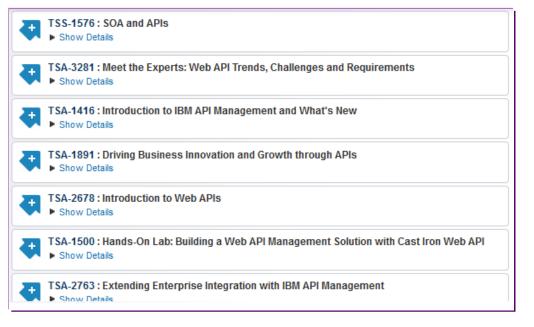
Preview Compelling New Technology



IBM Software

Impact 2013 Business. In Motion.

- See Product Demos, Speak to Subject Matter Experts, Take away product assets (whitepapers, videos, datasheets etc)
- Hear from Industry Experts at our sessions:







See recorded demo: http://www.ibm.com/webapi









Questions & Answers





IBM Cast Iron Live Web API Services

For More Information

90 Day Free trial http://webapi.castiron.com

http://www.ibm.com/webapi

API Management – Publish and Secure Web, Mobile Services

http://www-01.ibm.com/software/websphere/products/connectivity-integration/api-management/









Demo

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View entire series on demand



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Alan Krause

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Richard Kinard Senior Product Manager WebSphere DataPower Appliances A 2013 Competitive Review of SOA Appliances

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