

# Next Generation Web Services Platform: Coretal

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- Web services can participate
- Finding and using a web service should be easy
- Everything should be programmable

# Web Service

## Definition

A *Web service* is defined by the W3C as "a software system designed to support interoperable machine-to-machine interaction over a network". It has an interface that is described in a machine-processable format such as WSDL.

## Example

Youtube, Flickr, etc.

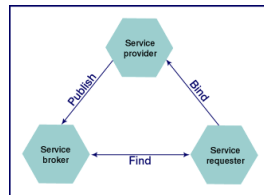
# Web Services Architecture

## Definition

The Web Services architecture describes three roles: *service provider*, *service requester* and *service broker*; and three basic operations: publish, find and bind. A network component can play any or all of these roles.

## Example

Examples ???



# Client Technology

- JavaScript (and frameworks)
- Flash
- XUL
- Disconnected Architectures (gears etc.)
- Proprietary softwares (plugins)

# Server Technology

- REST
- Continuations
- Protocols: WSDL, UDDI, SOAP, ebXML
- Transports: JSON, XML

# Emerging Technologies

- Faster JavaScript Interpreters
- Local Storage
- Cross-Domain Policies
- DSLs

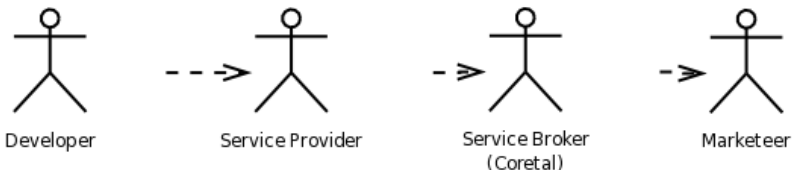
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- Web Application Server
- Parser Combinators
- Lisp to JavaScript Functor
- JavaScript Continuations
- Web Application Framework

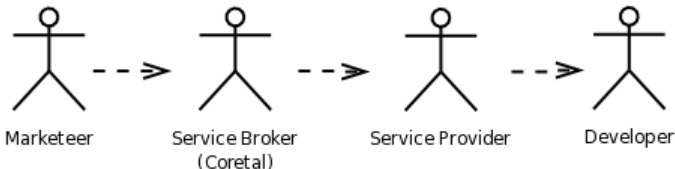
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# Business Logic

- Workflow



- Cashflow



# Benefits for Developers

- Connector APIs
- Primitive Services
  - Authentication Service
  - Authorization Service
  - Storage Service
  - Profile Service
- Documentation

# Benefits for Service Providers

- Ready and easy to use reusable products
- A platform for marketing services
- More visibility on the market
- Cross-domain availability
- Competitiveness

# Benefits for Advertisers

- A new market
- No boundaries, no monopoly
- Scalable

# Benefits for Customers

- Easy to setup
- A wide range of services
- Interchangeable alternatives
- Free to use with ads

# Service Description

- Service Name
- Provider
- License, Price, TOS
- Demonstration
- Dependencies
- Documentation

# Search Criteria

- Search by
  - Keyword
  - Provider
  - Tag
  - Popularity
  - Dependencies

# Target Languages

- PHP
- .NET
- Python
- ...?

# Milestones

- M1: Development of primitive services
- M2: Development of connector APIs
- M3: Development of Marketing System
- M4: Integrating Beta Service Providers
- M5: Development of several initial services
- M6: Integrating Beta Advertisers
- M7: Announcement of the Coretal Platform

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# Questions

Thanks for listening.  
Questions?