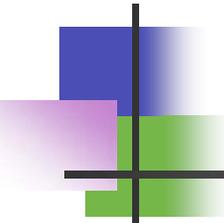


Como hacer mi propio *Mashup*

C. Dr. Miguel Félix Mata Rivera

www.migfel.com.mx

migfel@sagitario.cic.ipn.mx



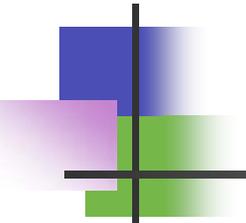
¿Como hacer tu primer Mashup?

- **1. Elegir un tema**
- **2 .Decidir de donde provienen tus datos**
- **3. Evalúa tus habilidades de programación**

1. Elegir un tema

(¿Como hacer tu primer Mashup?)

- **1. Elegir un tema**
- Poner iconos sobre un mapa es uno de los lugares más fáciles para comenzar.
 - Por ejemplo; los mejores lugares para comer en tu colonia.
- Pero también algo más complejo, con múltiples fuentes de datos:
- **mapas + Fotos + bookmarks (preferencias) + otros.**
- Son una guía para definir cuales APIs y herramientas usar y donde buscarlas(mapas, noticias, auctions, productos, etc.)
- Explora [API Database](#) y ordénalas por categoría para tener una idea de los tipos de APIS.
- Explora las [Mashup Listing](#) para ver cuales aplicaciones (útiles y vistosas) han sido construidas usando dichas APIs.



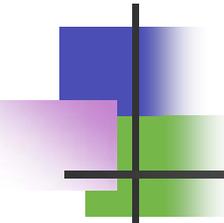
2. Decide de donde provienen tus datos

(¿Como hacer tu primer Mashup?)

- ¿Cual es la fuente de tus datos?
- Esto puede conducir a las APIs que utilizarás.
 - Por ejemplo: si deseas hacer algo con tus fotos en *Flickr* o vender algo en *eBay*, entonces las APIs de estas plataformas son las primeras candidatas.
 - O simplemente podrías poner tus datos por tu cuenta como sucede con los marcadores en un mapa.

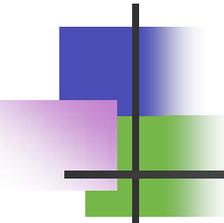
3. Evalúa tus habilidades de programación (¿Como hacer tu primer Mashup?)

- Los Mashups, son comúnmente “hobbies” de los programadores .
 - Aunque existen herramientas como [MapBuilder](#) y [Wayfaring](#) que permiten crear mapas básicos sin tener que codificar.
- *¿Qué tanto de un programador tienes?*
- *¿De cuanto tiempo dispones?*
- *¿Cuentas con un servidor para ejecutar tu mashup?*
- *¿Cuál lenguaje utilizar?*



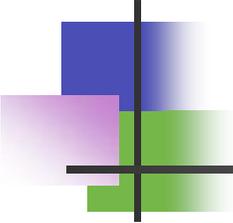
3. Evalúa tus habilidades de programación (¿Como hacer tu primer Mashup?)

- *¿Qué tanto de un programador tienes?*
 - Las APIs de Mapas son las mas simples, pero hay otras mas sofisticadas como aquellas que manejan operaciones financieras o estadísticas como subastas, o más complejas.
- *¿De cuánto tiempo dispones?*
 - De nueva cuenta, la velocidad de desarrollo es inversamente proporcional a la complejidad.
- *¿Cuentas con un servidor para ejecutar tu mashup?*
 - Las APIs mas simples pueden ser usadas con *Javascript* o usar un archivo XML como entrada (e.g. [Engadget](#)).
 - Se deben considera aspectos de seguridad, los cuales limitan la disponibilidad de *JavaScript's* para ciertos clientes de *mashups*.



3. Evalúa tus habilidades de programación (¿Como hacer tu primer Mashup?)

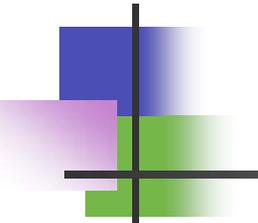
- *¿Cuál lenguaje utilizar?*
- Primero, se requiere saber cuales lenguajes conoces.
- La decision se ve influencia por aquellos que proporciona toolkits, aunque la mayoría de Web APIs no están dados con un lenguaje especifico o al menos permiten que tu elijas.
- Se puede usar la referencia de la [API reference](#) para ver si un API tiene un toolkit con un lenguaje especifico (como [Flickr](#) el cual tiene muchos).
- *Nota: este paso puede discutirse con respecto al paso 1, dependiendo de tu perspectiva.*



4. Registrarse para un API

(¿Como hacer tu primer Mashup?)

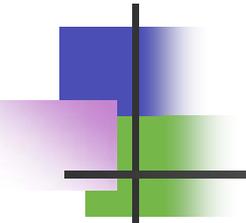
- La mayoría, pero no todos, los proveedores de API requieren que tengas un ID de desarrollador de aplicaciones, una cuenta de usuarios para un servicio, o ambos.
- Algunos servicios dan un único ID para muchas aplicaciones que tu escribas. Mientras que otras requieren que obtengas un ID para cada aplicaciones que tu generes.
- Registrarse suena complicado y aburrido. Y para algunos servicios lo es, pero la mayoría de las veces esto toma solo un minuto o dos para llevarse a cabo. Como ejemplo , revisa la pagina de registro de Google [Google Sign-up Page](#).



5. Comenzar a codificar

(¿Como hacer tu primer Mashup?)

- Para este paso, el mayor, más que describir las muchas variaciones en detalle.
- Nos referiremos a una gran variedad de tutoriales para *APIs* específicos (útiles y bien escritos).
- También se puede revisar el perfil de cualquiera de las [APIs](#) y referirse a recursos desde la sección de referencia [reference section](#).
- Disponibles en www.migfel.com.mx (sección Mashups o al final de esta presentación)

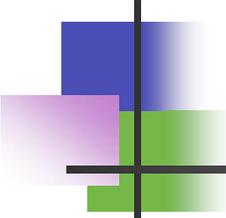


¡Gracias por su Atención !

C. Dr. Miguel Félix Mata Rivera

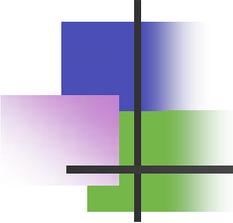
www.migfel.com.mx

migfel@sagitario.cic.ipn.mx



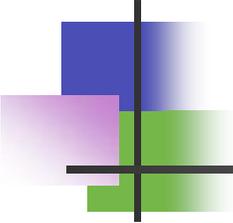
APIs AMAZON

- **Amazon EC2** [[API Profile](#)]
- [EC2 API Perl client](#)
A Perl client for the EC2 REST API. Available on CPAN.
- **Amazon eCommerce** [[API Profile](#)]
- [Explore Amazon Web Services with AJAX](#)
Very informative five part series from Ajax Magazine on using Amazon E-Commerce services. PHP examples.
- [Amazon E-Commerce Service Tour](#)
A tour of the REST functionality from Amazon's developer site.
- [Amazon Web Services Code Samples](#)
Full code samples from Amazon's site. Languages include Java, Perl, ASP.NET in C# and VB.
- [Consuming Amazon's Web API Directly with Javascript](#)
Shows how to use the Amazon free XSLT transformation service, the JSON output format, and a bit of plain old javascript to show you how to place live Amazon.com data on any web page.
- [Create an Amazon storefront using PHP](#)
Two part tutorial on Amazon ECS and PHP by Tyler Anderson at IBM Developerworks. Registration required.
- [Sample Amazon ECS Store in Java](#)
A sample application that illustrates how to build an basic storefront using Java, Amazon ECS, and SOAP.
- [Use Amazon Web Services in ASP.NET](#)
Tutorial demonstrating VB ASP.NET programming for Amazon's services. By Philip Miseldine at Sitepoint.
- [Video Tutorial ASP.NET Mashups](#)
See how to create a mashup application that uses ASP.NET AJAX bridging files to access the Flickr and Amazon services, and combines the results in a single user interface. Presented by Joe Stagner
- **Amazon S3** [[API Profile](#)]
- [AWS::S3 for Ruby](#)
A Ruby library for Amazon's Simple Storage Service, S3, REST API.



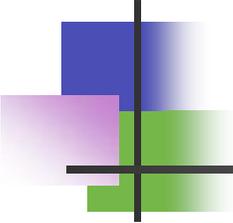
APIs

- **Backpack** [[API Profile](#)]
- [Harnessing the Backpack API](#)
Thorough article on using the Backpack API. Examples in .NET with C#. By Michael Campbell.
- **Bible Gateway** [[API Profile](#)]
- [Bible Gateway in PHP](#)
Article on Cleaning-up the BibleGateway SOAP example.
- **Bloglines** [[API Profile](#)]
- [The New Bloglines Web Services](#)
Detailed introduction at XML.com by Marc Hedlund. Full Java sample application.
- **CNET** [[API Profile](#)]
- [CNET API Developer's Guide](#)
An overview of the CNET API and its general structure.
- [CNET API Quick Start Guide](#)
A guide to quickly get up and running with the CNET API.
- [CNET API Resource Guide](#)
A detailed guide listing the CNET API's REST entry points. The request and response structure for each REST resource is documented.
- **del.icio.us** [[API Profile](#)]
- [A Truly Delicious API](#)
Webmonkey tutorial on the del.icio.us API using PHP. By Paul Adams, Feb 06.
- [Introducing del.icio.us](#)
Introduction to the del.icio.us API with examples using Python. By Matt Biddulph at XML.com



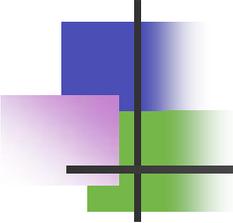
APIs Comercio Electrónico

- **Digg** [[API Profile](#)]
- [Using the Digg API with Ruby](#)
This tutorial will get you started fast using the Digg API in your Ruby on Rails (RoR) application. I am assuming you already have setup your RoR application.
- **eBay** [[API Profile](#)]
- [A Practical Introduction to eBay's Web API](#)
Programmer's introduction to the eBay API with detailed C# example code. By Tim Stevens.
- [eBay API Getting Started and Best Practices](#)
eBay official starting point. Good quality overviews and details.
- [eBay API with REST and PHP](#)
Good starting point for using the eBay REST API with PHP 5.
- [eBay XML API Guide](#)
eBay's official guide to their XML API.
- [PHP Ultimate eBay Store](#)
A small commercial PHP library for creating an eBay storefront.
- **EVE Online** [[API Profile](#)]
- [Python Sample for EVE Online](#)
Short python snippet for EVE Online game.
- **Facebook** [[API Profile](#)]
- [Using Ruby on Rails for Facebook](#)
Detailed tutorial on using Ruby on Rails for creating Facebook applications.
- **FedEx** [[API Profile](#)]
- [FedEx Code Samples](#)
Get examples for the Ship Manager API in a variety of programming languages: C++, Java, C#, VB, JavaScript and ASP.NET.
- **FeedBurner** [[API Profile](#)]
- [FeedBurner API Quick Tour](#)
Basic introduction to the FeedBurner API at their developer site.



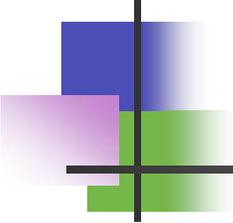
APIs FLICKR & Google

- **Flickr** [[API Profile](#)]
- [Accessing Images with the Flickr API](#)
Introductory article to Flickr's API using the Flickr.NET open source .NET library. By Tim Stevens at informIT.
- [Flickr API with AJAX](#)
Presentation slides on Flickr API with AJAX from Simon Willison.
- [Scripting Flickr with Python and REST](#)
Article on Flickr programming with Python at xml.com. By Uche Ogbuji in January, 2006.
- [Video Tutorial ASP.NET Mashups](#)
See how to create a mashup application that uses ASP.NET AJAX bridging files to access the Flickr and Amazon services, and combines the results in a single user interface. Presented by Joe Stagner
- **Google AdWords** [[API Profile](#)]
- [AdWords Developer's Guide](#)
Google official AdWords API guide with detailed examples.
- [Google APility Library](#)
From Google, a set of PHP classes for accessing their AdWords API.
- [Ruby Gem for Google AdWords](#)
Open source Ruby client library for the AdWords API makes it easier to write Ruby clients to programmatically access AdWords accounts. The client library is provided as a gem, or can be installed independently. Also has sample code.
- **Google Checkout** [[API Profile](#)]
- [Build a .NET App for Google Checkout](#)
Good overview of Google Checkout API along with a very complete .NET application. By Martin Omander, a member of the Google Checkout team, at the O'Reilly WindowsDevCenter.



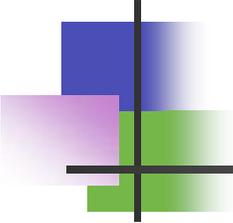
APIs Google MAPS

- **Google Maps [API Profile]**
- [An Introduction to Google Maps](#)
An Introduction to Google Maps and the Google Maps API by Eric Pimpler at GISuser.com.
- [Detailed Google Maps API Tutorial](#)
Very thorough Google Maps tutorial from Mike Williams. Over 40 sections, each with its own example map and code. Many with pointers on things to watch out for.
- [Google Maps Ajax and ASP.NET](#)
Shows how to create an ASP.NET server control that would allow a .NET developer to harness the power of Google Maps in the code-behind model.
- [Google Maps API Documentation](#)
Google's official API documentation. Includes "Hello World" and JavaScript examples.
- [Google Maps Applications Development](#)
Good book on using PHP and Ajax with Google Maps. Covers nuances to using the API. By Michael Purvis, Jeffrey Sambells, Cameron Turner. 350 pages, published by Apress, Aug 2006.
- [Google Maps Hacking and Bookmarklets](#)
Interesting reference site shows API hacks and snippets.
- [Google Maps via PHP-MySQL Tutorial](#)
Clean, simple PHP example how the mashup showing locations related to the band The Who on a Google Map.
- [Hacking Google Maps: Building a Community Site](#)
Sample chapter from the book Hacking Google Maps by Martin C Brown. Code samples use JavaScript and Perl.
- [Hacking Maps with the Google Maps API](#)
Very good introduction to the API by Hari Gottipati. Examples in JavaScript. He reviews shortcomings of the API and compares to Yahoo!
- [How to add a Google Map to any web page in less than 10 minutes](#)
Exploration Age shows how easy it can be to add a Google Map to any page. Nice straightforward demonstration.



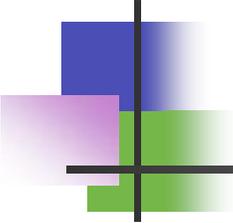
APIs Google MAPS

- [Integrating Google Maps into Your Web Applications](#)
Tutorial on the Google Maps API with detailed JavaScript example code. By Jason Gilmore at developer.com
- [Java for Google Maps Mashups](#)
Javaworld.com article using the geocoder.us service, the open source library DRW, SOAP, and server-side Java for geocoding and mapping.
- [JobMapper in Ruby](#)
Shows you how to create a mashup of Google Maps, Indeed, and Yahoo Search using Ruby.
- [Jon Udell Google Maps Screencast](#)
Infoworld columnist Jon Udell shows how he created a Google Maps walking tour of Keene, NH, in this five minute screencast.
- [Make your own Google map](#)
Engadget.com tutorial showing how to create a simple annotated Google Map.
- [Making of the Charlottetown Transit Map - Rukapedia](#)
Explanation by Peter Rukavina of how he built the Charlottetown Transit Map. Includes how he setup MySQL data tables.
- [Phoogle Maps](#)
PHP class that integrates itself with the Google Maps API and with the geocoder.us database to make an easy to use interface to display Google Maps on your site. With about 5 lines of PHP code you can display a customized Google Map on your website.
- [Phoogle Maps PHP Library](#)
PHP library that simplifies geocoding with Google Maps.
- [PHP GoogleMapAPI](#)
Good, complete, PHP library for integrating Google Maps. By Monte Ohrt.



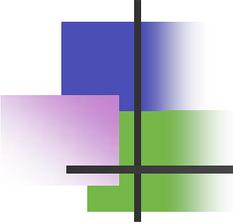
APIs GOOGLE

- **Google Search** [[API Profile](#)]
- [Build a Site Search with the Google Search API](#)
Good introduction to the Google Search API using PHP examples. From Mike Papageorge at fiftyfoureleven.com.
- [Some Google in Your Apps](#)
Some Google in Your Apps: An Introduction to the Google Web API Using .NET and Java, by Tim Stevens. Full source code using both languages.
- [Using the Google Web Services API with Flash](#)
Shows how to create a search application using Flash + PHP + Google API. Full source code. By Jeff Hill.
- **indeed** [[API Profile](#)]
- [JobMapper in Ruby](#)
Shows you how to create a mashup of Google Maps, Indeed, and Yahoo Search using Ruby.
- **MapQuest** [[API Profile](#)]
- [Getting Started with the MapQuest Open API](#)
Brief introduction to MapQuest API at Designorati: Cartography by Samuel John Klein.



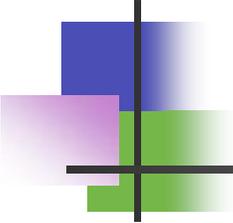
APIs MICROSOFT

- **Microsoft start.com** [[API Profile](#)]
- [Building a simple gadget for Live.com](#)
Detailed walkthrough of created a gadgets in JavaScript. Via GadgetNews at Microsoft.
- [Building a Simple Gadget for Live.com](#)
Good overview of how to build a gadget for Live.com.
- **Microsoft Virtual Earth** [[API Profile](#)]
- [Building a Virtual Earth Website with PHP](#)
Tutorial on using PHP to create Virtual Earth applications.
- [Creating a Commercial Website with Virtual Earth](#)
Demonstrates creating applications using C# with Virtual Earth.
- [Creating your first Virtual Earth Web Page](#)
Virtual Earth tutorial on using JavaScript to create a VE map.
- [Virtual Earth Tutorial Part 1](#)
Shows how to use Ajax and Virtual Earth.
- **Twitter** [[API Profile](#)]
- [Twitter .NET API](#)
Do you possess an undying urge to make something in .NET that can communicate with Twitter.com? Try the TwitterooCore Library, now available for download.
- **Wesabe** [[API Profile](#)]
- [C# Wrapper for Wesabe](#)
This C# library from Scott Hanselman wraps the basic functions of the Wesabe API. Hosted on Google Code to facilitate community development.



APIs WINDOWS y YAHOO

- **Windows Live Contacts Control** [[API Profile](#)]
- [Hosting the Windows Live Contacts gadget](#)
Microsoft Channel 9 video on scenarios around what the Windows Live Contacts gadget is for and how a developer can integrate it on any web site.
- **Windows Live Search** [[API Profile](#)]
- [Build a Site Search with the MSN Search API](#)
Clear introduction to using the MSN Search API using PHP. From Mike Papageorge at fiftyfoureleven.com.
- **Yahoo Maps** [[API Profile](#)]
- [Building Mashup Portlets](#)
Detailed article from the Sun Developer Network on how to use Java with the Yahoo Maps AJAX API to build a portlet for their Portal Server.
- [GeoCool](#)
Rasmus Lerdorf, creator of PHP and now at Yahoo!, gives this good introduction to the Yahoo! Maps API using PHP and Flash.
- [How to build a Maps Mash-up](#)
Yahoo! Maps tutorial using PHP and JavaScript. From Dan Theurer.
- [Introducing Yahoo! Maps JS-Flash API](#)
Good introduction by Yahoo! Technical Evangelist Jason Levitt on creating Flash-based Yahoo! Maps applications.
- [Yahoo! Maps AJAX API Getting Started Guide](#)
Yahoo's introduction to their v2 AJAX Maps API. With JavaScript examples.
- [Yahoo! Maps JavaScript-Flash API Getting Started Guide](#)
Yahoo's introduction to using JavaScript and their Flash-based maps.



APIs YAHOO & YOUTUBE

- **Yahoo Search** [[API Profile](#)]
- [Build a Site Search with Yahoo! Search Web Services](#)
Nice introduction on using the Yahoo! Search API using PHP. From Mike Papageorge at fiftyfourteen.com.
- [JobMapper in Ruby](#)
Shows you how to create a mashup of Google Maps, Indeed, and Yahoo Search using Ruby.
- [Working with the Yahoo! API](#)
Overview of the Yahoo! Search APIs including image and video APIs. Example application in PHP. At informit.com
- **Yahoo Term Extraction** [[API Profile](#)]
- [Yahoo Term Extraction in PHP5](#)
Simple Term Extraction example in PHP5 by Philipp Lenssen at GoogleBlogoscoped.
- **YouTube** [[API Profile](#)]
- [Ruby YouTube Wrapper](#)
A Ruby interface to the YouTube REST API.
- [The Amazing YouTube Tools Collection](#)
Collection of links to tools and applications for YouTube. Many use the API, some with code links. At QuickOnlineTips.com.
- [YouTutorials](#)
YouTutorials is an assemblage of free video tutorials collected from YouTube. Users can search or browse through hundreds of videos from how to solve a Rubik cube to how to break-dance. Users can submit their own videos and subscribe via RSS.
- [YouTube API Feed Extractor](#)
PHP Class that uses the YouTube API to pull dynamic content to a website.
- [YouTube API How To Guide](#)
Basic overview of the YouTube API and available language wrappers. Includes a Ruby snippet.

