



Google Our GeoSpatial Cloud: Hands on with the Google Maps Data API

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Quiet! I'm coding!

<http://bit.ly/MapsDataAPILab>



Intro to My Maps

[Demo](#)



My Earth

Demo



Overview of Maps Data API

- Programmatic access to My Maps storage
- Add, Update, and Delete Maps
- Add, Update, and Delete Features on a Map
- Spatial and Attribute queries
- and, just for you

As of today...

Upload KML and CSV files directly using the API



Google Data APIs

- ☐ REST-inspired technology for reading, writing, and modifying information on the web
- AtomPub based
- Basis for several Google Data services, including Picasa, YouTube, Calendar, Spreadsheets, Apps, Base, Blogger, Sites...You get the idea



Ways to access

- Direct interaction using [cURL](#)
- Using a [Java](#), [Python](#), [Objective-C](#), or [JavaScript](#) client library
- Roll your own



Authentication

- [AuthSub](#), Google's own authentication
- [OAuth](#), an open authentication standard



It's all about Feeds

[Open Files]

Available Feeds



- <http://maps.google.com/maps/feeds/maps/default/full>
returns all maps associated with the user
- <http://maps.google.com/maps/feeds/maps/default/owned>
returns all maps created by the user
- <http://maps.google.com/maps/feeds/maps/default/public>
returns all public maps created by the user
- <http://maps.google.com/maps/feeds/maps/default/unlisted>
returns all unlisted maps created by the user



What you're going to do

<http://bit.ly/MapsDataAPILab>

Create a web page that does the following:

1. Load all maps in your Google Account
2. Change the name of one of your maps
3. Displays the KML of all the features on a map
4. Adds a new feature on one of your maps
5. Searches within the map by a bounding box

Questions?

