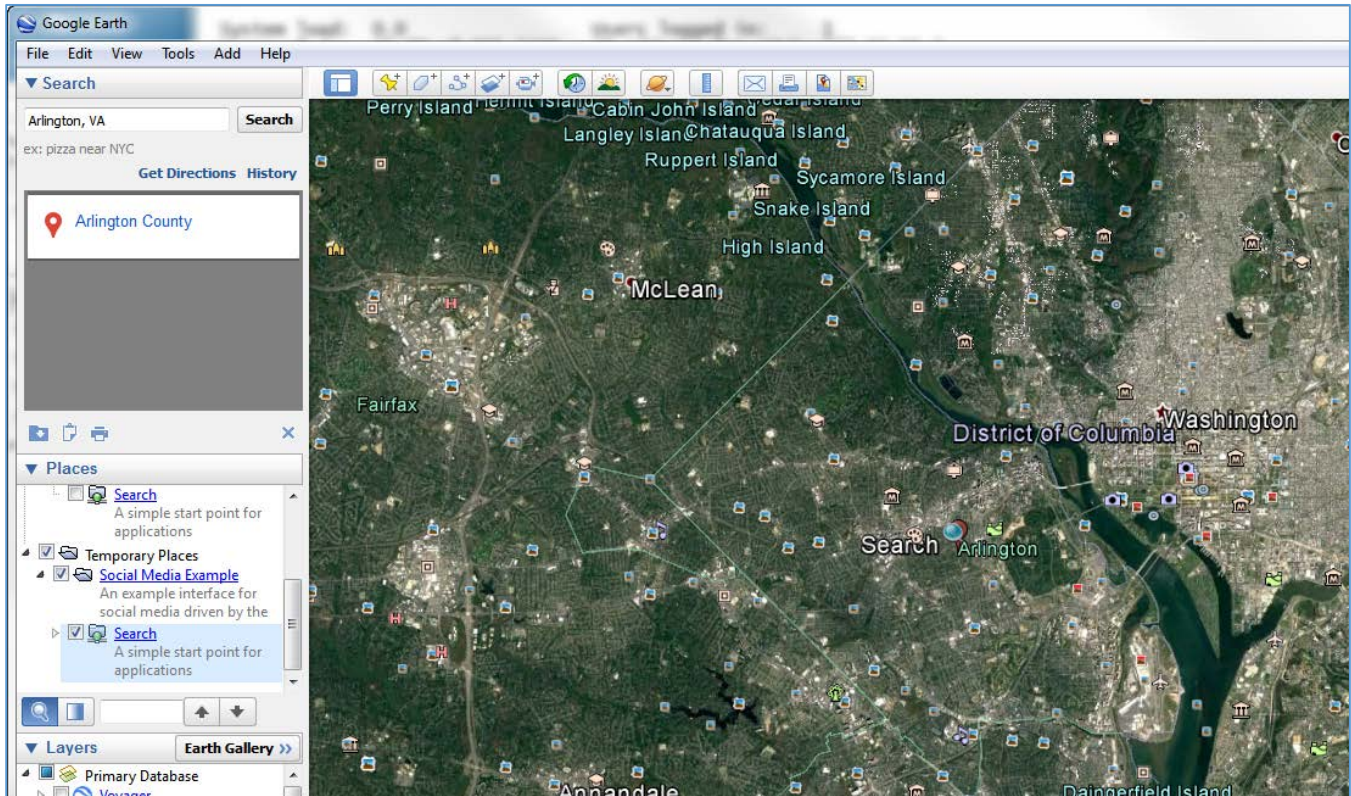
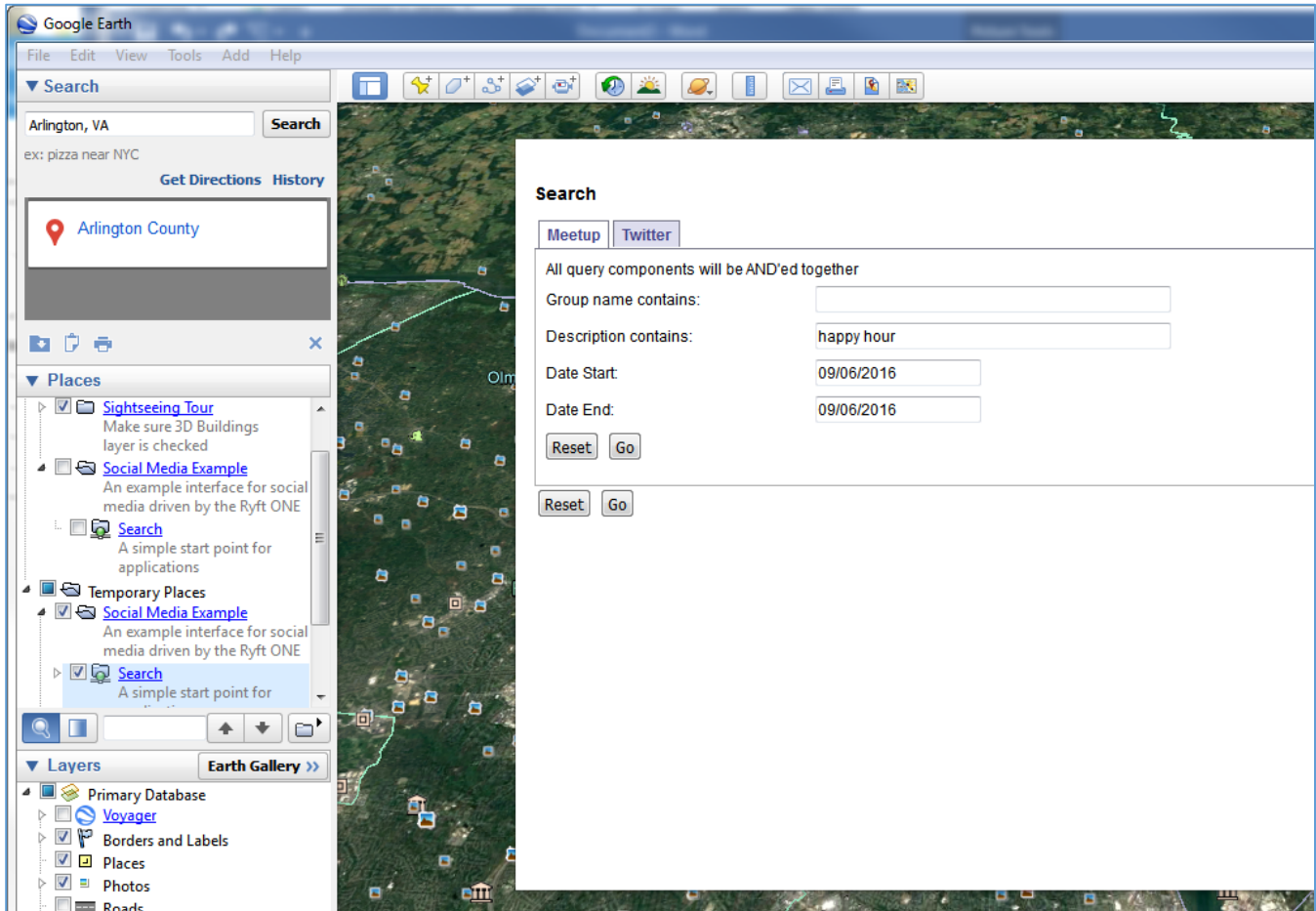


This is a demonstration of a simple integration to geospatial tools, like Google Earth, using arbitrary datasets. It shows the Ryft server searching the Meetup metadata driven by Google Earth, and providing the results for Google Earth to render and display.

Here is Google Earth, with a view of Arlington, VA in the Washington, DC metro area. It shows the map on the right, with the search and layers boxes on the left.



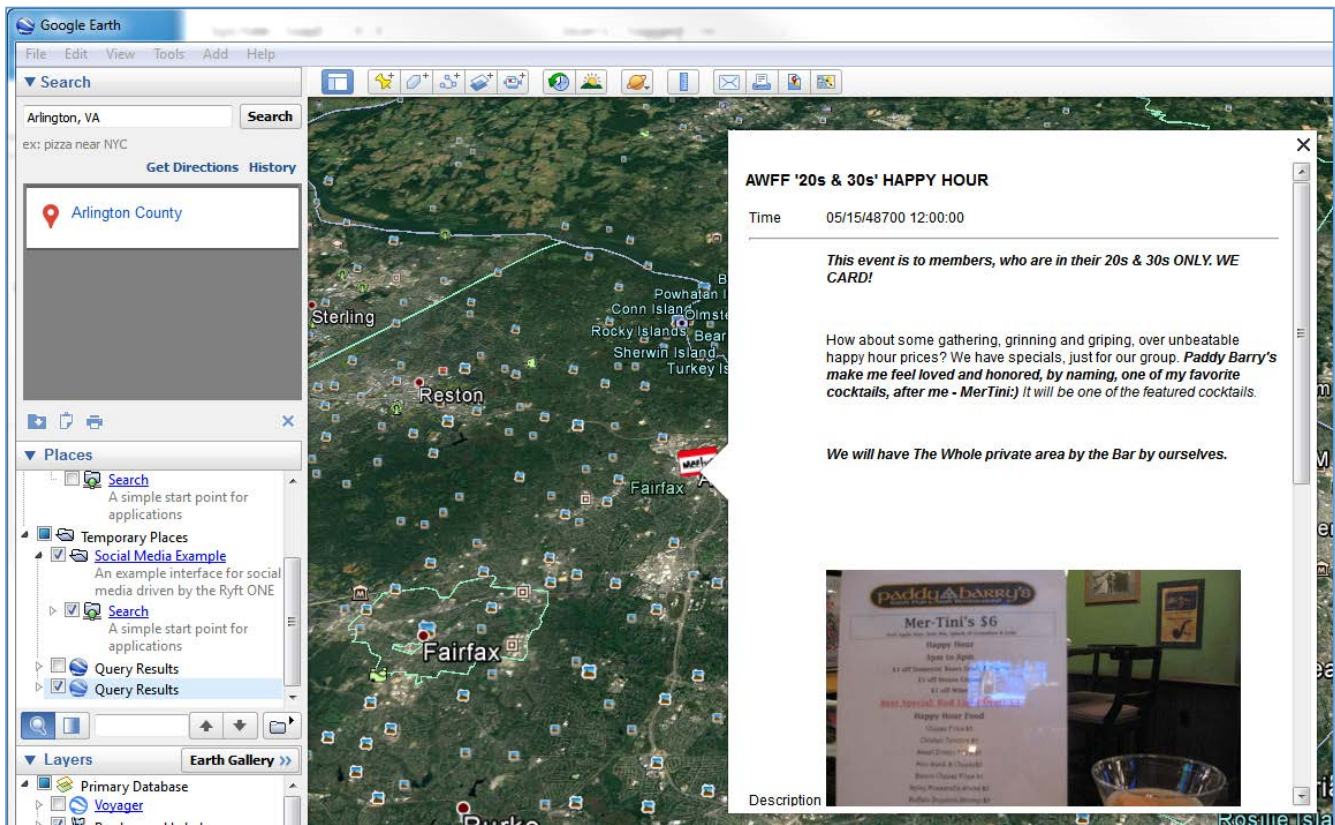
Let's conduct a search for Meetup data that contain "happy hour" in the description, within the specified date range. The search box you see is one that Ryft developed to use with Google Earth and the Meetup date we download every day. It can also be used to search Twitter and NYC Taxi data that is maintained on our demo Ryft ONE server.



In the background, Google Earth executes search to Ryft Rest API with the search criteria:

```
Meetup Query: 09/29/2016 00:22:43
(RECORD.description CONTAINS "happy hour") AND ((RECORD.venue.lat CONTAINS NUMBER(
"38.76508665492381" < NUM < "38.997834694163", ",", "." )) AND (RECORD.venue.lon CONTAINS
NUMBER( "-77.31289573813117" < NUM < "-76.86906606186874", ",", "." )))
Files: meetup/valid/092016/open_events-09062016.json
Start: 09/06/2016
End: 09/06/2016
```

The search results then rendered by Google Earth and displayed on the map. Select one of the results to display the Meetup details. The information may contain text and/or images, like this event:



Integration of the Ryft ONE with geospatial tools, like Google Earth, can transform the application with high performance analytics. Google Earth takes advantage of the Ryft ONE performance to rapidly search massive amounts of social media metadata at Fabric Rates above 10GB/s with no ETL and no indexing. This kind of performance allows Google Earth to render the geospatial results efficiently and quickly.



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