Research Document (MySQL Spatial Data Types, Storing spatial data and using it to create a Restful Web service)

Aim: The aim of the document is to successfully research ways to be able to store geo spatial dats in MySQL database

Why: Currently (24 Feb, 2017) I have been using SAP Hana HCP but the issue is its not free and is very expensive to move from trail to pro version, so the better alternative is MySQL if I am successfully able to implement what I was able to do with HCP. And, the advantages will be free of cost, HCP trail needs restart every 12 hours and auto deletes after 6 days which is a big disadvantage, MySQL will allow 99% uptime for webservice.

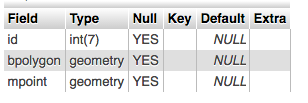
\*\*\*\*\*\*\*\*\*\*\*\*Creating a table with geometry\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

create table myspatialdata (id integer(7), bpolygon Geometry, mpoint Geometry);

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Query to show the columns in the table:

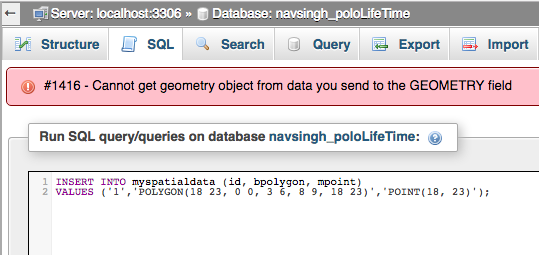
[**SHOW**](https://eu72.hostblast.net:2083/cpsess4597370376/3rdparty/phpMyAdmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.6%2Fen%2Fshow.html&token=374f924831d152b054de90762c13843c) **COLUMNS** **FROM** myspatialdata



\*\*\*Quite close \*\*\*\*

INSERT INTO myspatialdata (id, bpolygon, mpoint)

VALUES ('1','POLYGON(18 23, 0 0, 3 6, 8 9, 18 23)','POINT(18, 23)');



\*\*\*\*Working SQL Statement to insert spatial data in MySQL (Polygon and Point)\*\*\*\*\*\*

INSERT INTO myspatialdata (id, bpolygon, mpoint)

VALUES (1,GeomFromText('POLYGON(18 23, 0 0, 3 6, 8 9, 18 23)'),GeomFromText('POINT(18, 23)'));

