

# Hadoop-GIS: A High Performance Spatial Data Warehousing System over MapReduce

## I. SUMMARY

Hadoop-GIS extends Hive, and is a data warehouse infrastructure build on top of Hadoop with a form grid index for range queries and self-join.

## II. DRAWBACKS

Hadoop-GIS deals with Hadoop as a black box, and hence it remains limited by the limitations of existing Hadoop systems.

- The limitations caused by Hadoop's being ill equipped in supporting spatial data.
- Hadoop-GIS can only support uniform grid index.
- Users can't define new spatial operations.