A Revised Implimentation of the GraphZ Graph Processing System

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Abstract

GRAPH/Z is a distributed parallel graph processing system running on top of ZHT, a zero hop distributed hash table. It uses an itterative vertex-centric model to store a large graph and run a variety of algorithms over it. GRAPH/Z has some performance issues, and cannot scale the same as graphlab, a similar commercial framework. We hope to rewrite GRAPH/Z to be cometitive with Graphlab on a single node with multiple threads.

1 Background

2 Problem

3 Related Work

4 Proposed Solution

5 Evalution

6 Timeline

7 Deliverables

8 Conclusion