UrDHT: An Adjective Noun Noun Something

Andrew Rosen   Brendan Benshoof   Robert W. Harrison   Anu G. Bourgeois

Department of Computer Science
Georgia State University
Atlanta, Georgia

rosen@cs.gsu.edu   bbenshoof@cs.gsu.edu   rharrison@cs.gsu.edu   anu@cs.gsu.edu

Abstract—**UrDHT is an abstracted Distributed Hash Table (DHT). By completing a few simple functions, a developer can implement the topology of any DHT.**

More importantly, UrDHT serves as Gateway for other distributed applications to perform bootstrapping. UrDHT can serve as a single distributed networks for all other distributed systems t

I. INTRODUCTION

II. WHAT DEFINES A DHT

A DHT requires the following functions

A `distance` function

A `midpoint` function

An `ownership` function

III. URDHT AS A DHT

A. *UrDHT Components*

B. *Hyperbolic Routing*

C. *Chord and Ring Based Topology*

D. *Kademlia and Other Tree Based Topologies*

IV. URDHT AS A GATEWAY

V. EXPERIMENTS

VI. FUTURE WORK AND CONCLUSIONS