Peerchat

Forrest Pieper
Will Drevo
Colin Taylor

May 6th, 2014

1   Introduction

What we today know as the "internet" was started as a US DARPA military project, a network of nodes distributed geographically across the US in order to ensure fault tolerence in the case of a nuclear attack [?]. Today, ironically, many feel the internet has become too centralized.

Something something here

Peerchat is a distributed, P2P chat system based on the Kademlia DHT [1] system.

2   Background and Related Work

A very similar effort is BitTorrent Chat [?].

3 Implementation

3.1 System

3.2 Protocol

3.3 Persistence

3.4 Offline Usage

4 Demonstration

4.1 User Registration

4.2 User Login

4.3 Correctness Testing

4.4 Performance Testing

5 Future Work

Security?

6 Conclusion

Peerchat is the best, blah, blah.

References

[1] Maymounkov, Petar and David Mazieres "Kademlia: A Peer-to-peer Information System Based on the XOR Metric" *Peer-to-Peer Systems. Springer Berlin Heidelberg*, 2002. 53-65