Abstract

Chord is a structured peer-to-peer (P2P) overlay network in which participating peers share resources as equals. To find a specific data item within the network, Chord system provide a lookup mechanism that matches a given key to a network node responsible for the value associated with that key. Chord is recently proposed to become one of the new approaches for building large-scale Internet applications. This paper aims to survey the Chord network, study its main characteristics, and compare its original performance with the performance of the enhancements being deployed over the original Chord.

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