Distributed Hash Tables
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Data
- Fox
  - Hash function
  - Key: DFCD3454
- The red fox runs across the ice
- Hash function
- Key: 52ED879E
- The red fox walks across the ice
- Hash function
- Key: 46042841

Distributed Network

keys
- John Smith
- Lisa Smith
- Sandra Dee

hash function

buckets
- 00
- 01: 521-6976
- 02: 521-1234
- 03: 
- 13: 
- 14: 521-9655

Abstracing a tree

Instance of an actual connectivity graph

Peers in partition A need to know random peers from the sub-trees marked in the ovals

Query at A for 010
- A forwards the query to D; D forwards it to C who has the answer!