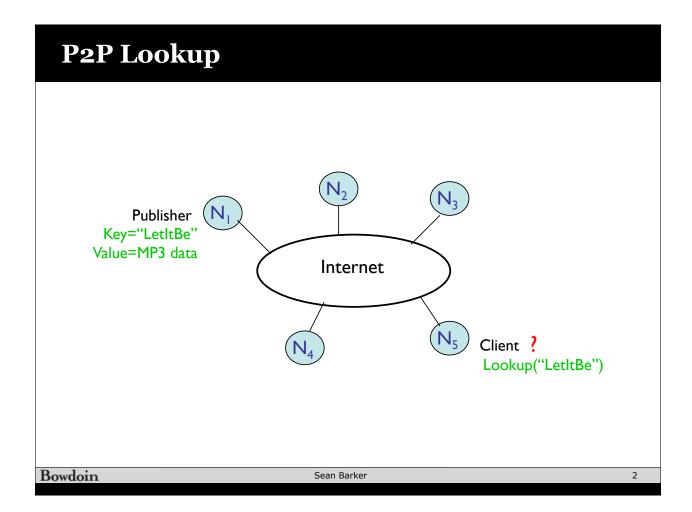
P2P Comparison

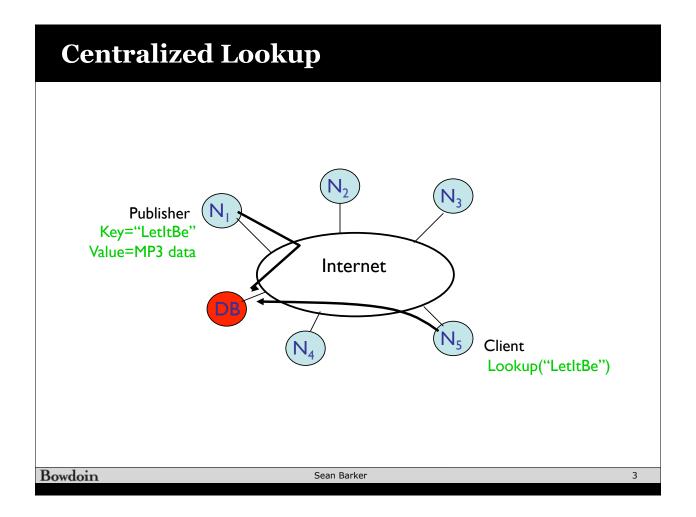
	Centralization	Query Model	Scalability	Overhead
Napster	High; central server	Direct server lookup	High	Low
Kazaa	Moderate; SuperNodes	Query flooding	Moderate	Moderate
Gnutella	Low (pre-UltraPeers)	Query flooding	Low	Low
BitTorrent	Moderate; trackers	N/A	High	Moderate
DHT	Low	Direct lookup (exact)	High	High

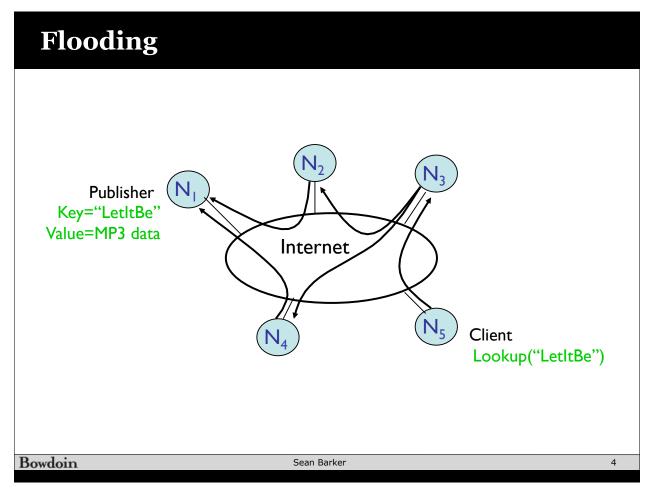
Bowdoin

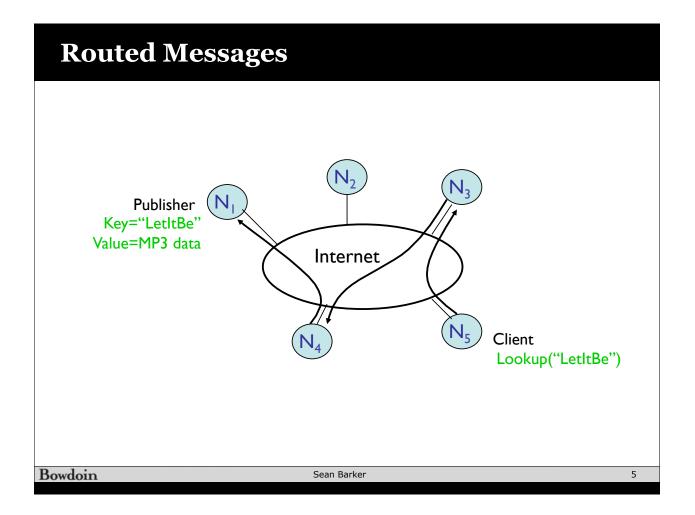
Sean Barker

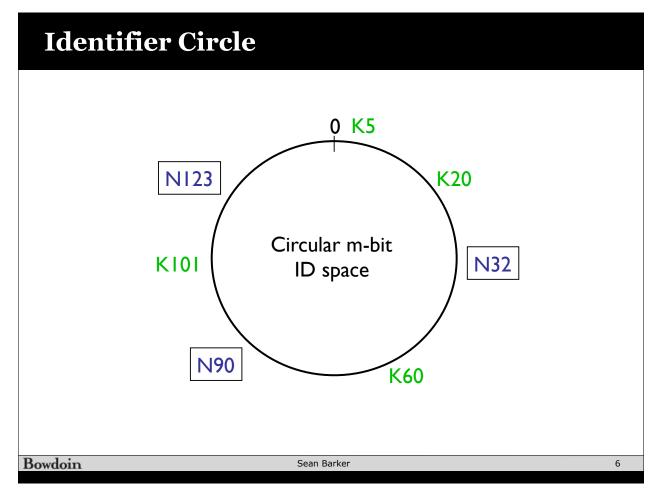
1

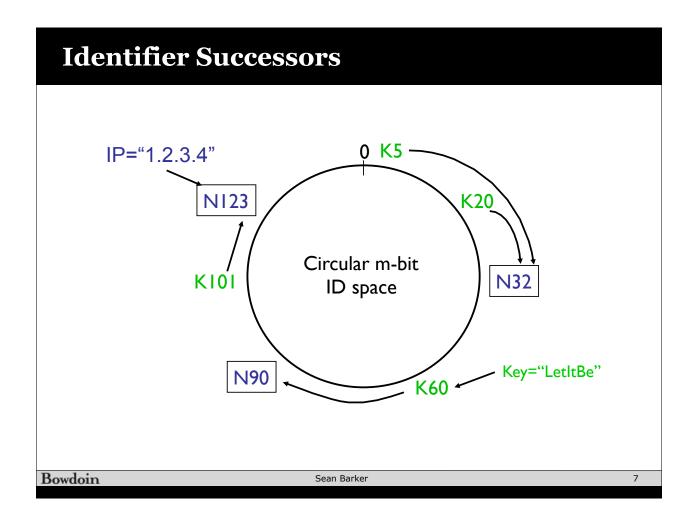


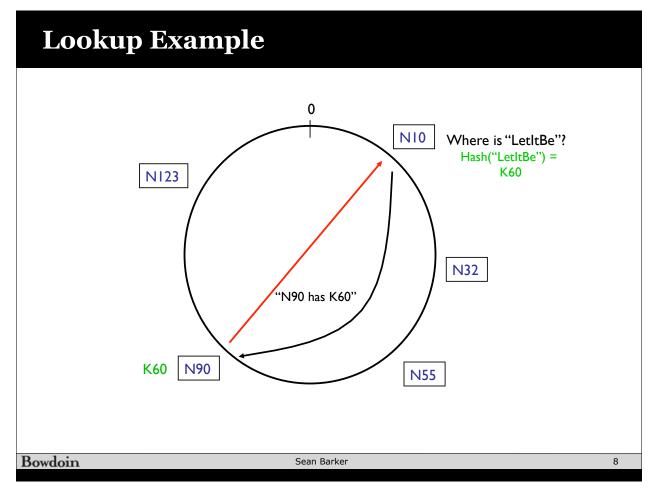


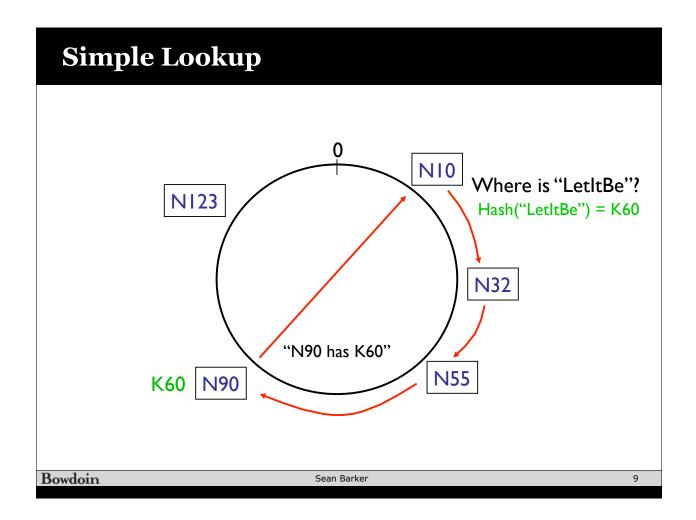


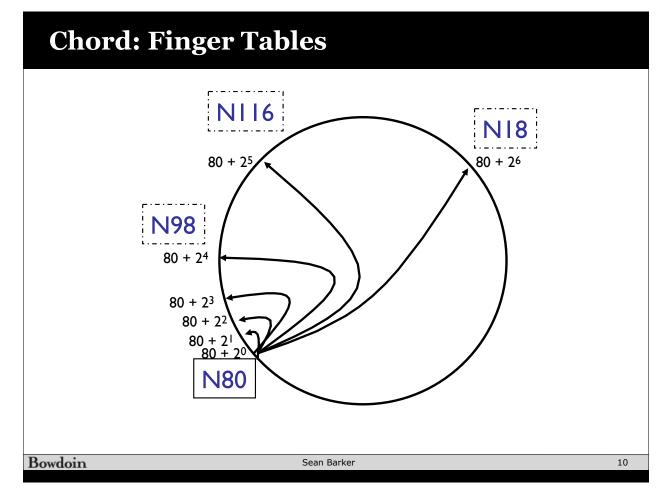




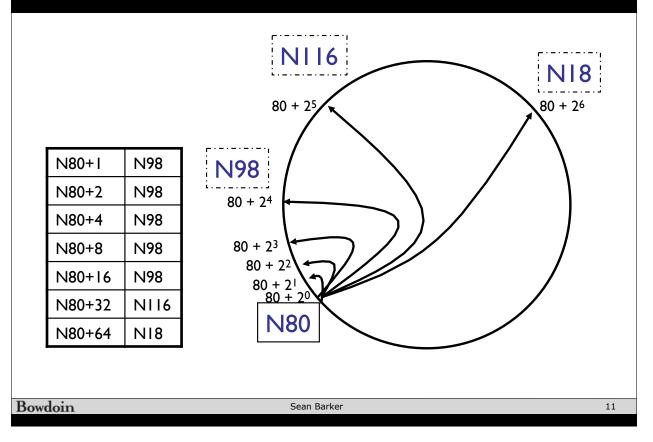


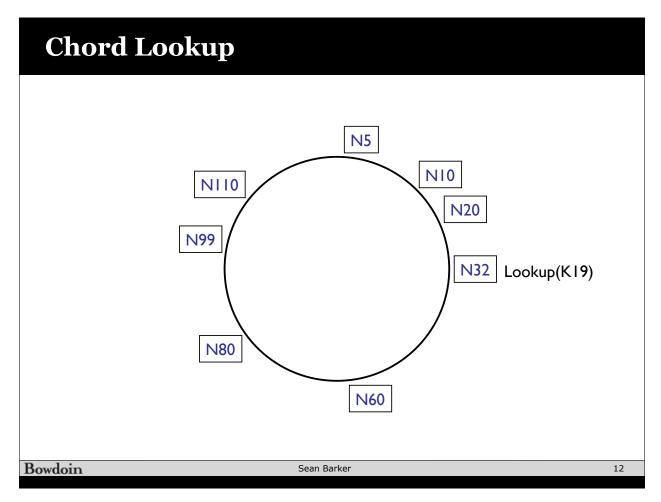


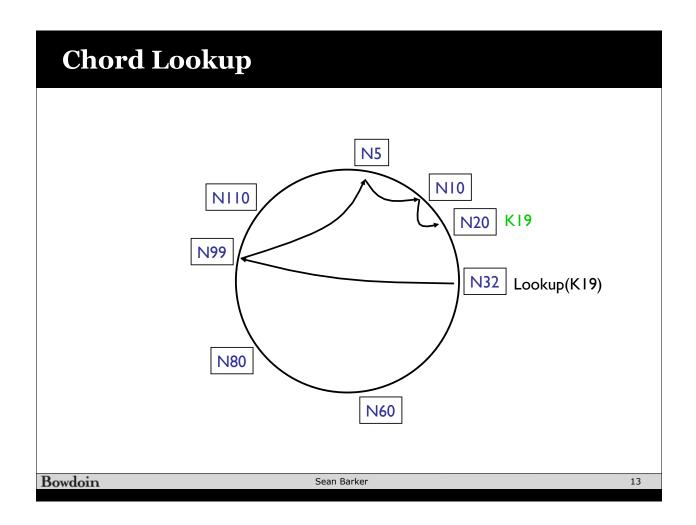


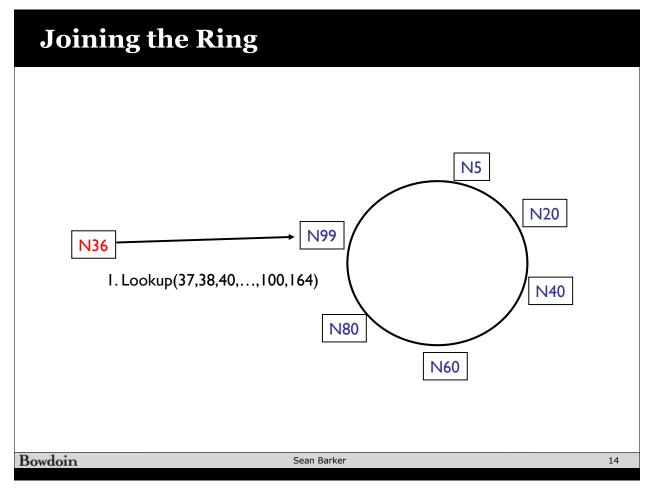


Finger Tables

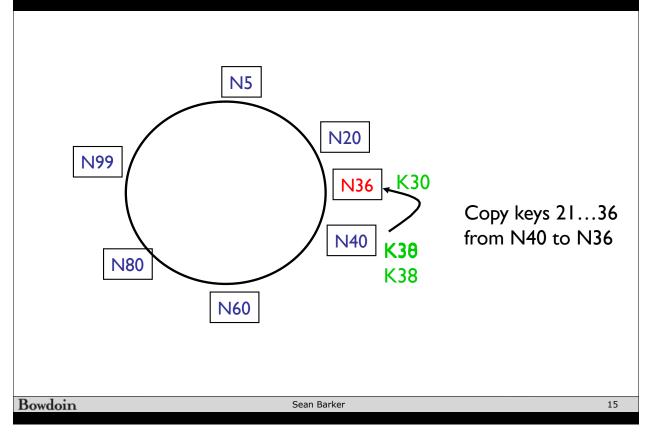


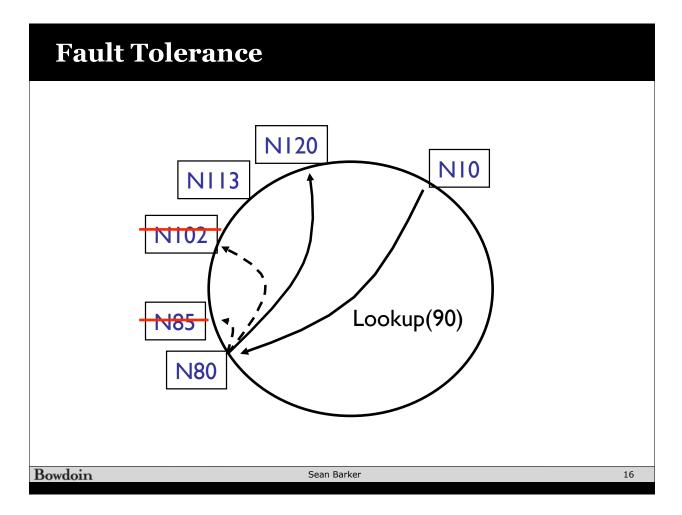






Joining the Ring





Evaluation: Lookup

