



<ul> <li>Napster</li> <li>Centralized Database:         <ul> <li>Join: on startup, client contacts central server</li> <li>Publish: reports list of files to central server</li> <li>Search: query the server =&gt; return someone that stores the requested file</li> <li>Fetch: get the file directly from peer</li> </ul> </li> </ul>		
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	KaZaA (Kazaa)	
<ul> <li>In 2001, Kaza</li> <li>Single networ well: Morphet</li> <li>Eventually pro- longer talk to</li> <li>2004: 2nd mor- any given time 2004, average million)</li> </ul>	a created by Dutch company k called FastTrack used by o is, giFT, etc. tocool changed so other clie it. st popular file sharing netwo e, about 1000 downloads pe 2.7 million users, compare	y KaZaA BV. other clients as nts could no ork, 1-5million at r minute. (June to BitTorrent: 8
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<ul> <li>Routed Querie:</li> <li>Join: on startugets a unique.</li> <li>Publish: route with <i>id</i> closest</li> <li>Search: route</li> <li>Fetch: when a file to the send</li> </ul>	FreeNet p, client contacts a few other nod node id file contents toward the file id. F to file id query for file id toward the closes uery reaches a node containing file	es it knows about; ile is stored at node at <i>node id</i> <i>le id</i> , it returns the
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