









- Unstructured content location;
- Peers organize into an overlay;
- To find content, a peer sends a query to its neighbors on the overlay;
- In turn, the neighbors forward the query on to all of their neighbors until the query has traveled a certain radius;
- If a node having already forwarded a query receives the same query again, it will not forward the second time;
- Get a set of peers which contain the interested contents at last.
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 9/28/























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TABLE II					
Le	DAD AT EACH PEER IN	IN QUERY PACKETS/SECOND.			
Trace	Protocol	5	6	7	8
Boeing	Gnutella Flooding	355.4	462.6	493.5	670.9
	Gnutella w/ Shortcuts	66.0	86.5	98.7	132.0
Microsoft	Gnutella Flooding	478.7	832.1	1,163.8	1,650.1
	Gnutella w/ Shortcuts	70.5	115.5	162.1	230.4
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Quiz questions

- What is peer-to-peer system? What is the advantages of peer-to-peer system over traditional distributed system?
- 2. Explain flood content look-up algorithm.
- 3. Explain interest-based content look-up algorithm.
- 4. Please name several performance indices for content-location algorithm.
- 5. How to further improve the performance of interestbased content location algorithm?

9/29/0

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