









UNI CAL Comp	VERSITY OF MBRIDGE mit LBudity	
	Multi-Point Communication	
•	 Application level multicast IP multicast is not supported well over wide area networks Use DHT (Distributed Hashing Table) Use tree routing in order to get logarithmic scaling Bayeux/Tapestry and CAN Service model of multicast is less powerful than content-based messaging system 	
•	 Research prototypes of messaging systems Scribe (Topic-based system using DHT over Pastry) SIENA (Content-based distributed event service) JEDI (Content-based messaging system) Gryphon (Topic/content-based message brokering system) 	5
	c c	C



Compare Laboratory							
Publish/Subscribe Overlay Architecture							
Topic-Based	Subscription Types Content-Based	Type-Based					
	Routing Strategy						
Simple Flooding	Parametric Flooding	Subsetting					
Event Flooding	Gossiping	Rendezvous					
Subscription Flooding	Adaptive Gossiping	Filter-Based					
	Overlay Types						
Brokers Overlay P2P Structured Overlay P2P Unstructured Overlay							
Network Protocols							
(TCP/IP, IP multicast, SOAP, 802.11g, MAC broadcast)							







CAMBRIDGE Combridge				
Goals of CCN				
 Network delivers content from closest location 				
Integrates a variety of transport mechanisms				
 Integrated caching (short-term memory) 				
 Search for related information 	-			
 Verify authenticity and control access 	-			
12 4WARD 2009				



















CAN Comp	ERSTY OF IBRIDGE In Linearer	
_	5 Faces in DCN	
1.	Content-Centric Networking (CCN) and Content Distribution Networks (CDN)	
2.	Programming in Data Centric Environment	
3.	Stream Data Processing and Data/Query Model	
4.	Graph Structured Data: Network, Storage, and Query Processing	
5.	Network holds Data in Delay Tolerant Networks (DTN)	
	22	





























