≡	ដ Groups	Q	Conversations	•	Search conversations within mail.cypherpun	•	ক্ট্য	
+	New conversation	÷	Line Key act at data man	0.00mon				
ŝ	My groups		Developing architectures for managing massive databases Utilizing data models for representing the complex data structures Formulating and optimizing queries Developing techniques for concurrency control and recovery Integrating heterogeneous schemas Meeting timing constraints for queries and transactions Indexing multimedia data Maintaining caches and minimizing secondary storage access and communications costs Enforcing integrity constraints. 1.2 Background The IC provides analysis on current intelligence priorities for policy makers					
U	Recent groups							
*	Favorite groups							
☆	Starred conversations							
mai	.cypherpunks							
믹	Conversations 99+		based upon new and his sources (e.g., news wire	torical d services	lata collected from intelligence sources and open s, magazines). Not only are activities becoming			
(j	About		as well as larger volumes of data. Factors contributing to the increase in volume include continuing improvements in collection capabilities, more worldwide information, and open sources. At the same time, the IC is faced with decreasing resources, less time to respond, shifting priorities, and wider variety of interests. Consequently, the IC is taking a proactive role in stimulating research in the efficient management of massive databases and					
			ensuring that IC requirer products. Because the c Management Staff (CMS Group to address the ne	ments ca hallenge S) has co eds and	an be incorporated or adapted into commercial es are not unique to any one agency, the Community ommissioned a Massive Digital Data Systems Working to identify and evaluate possible solutions.			
			1.3 Assumptions and Pr Future intelligence syste storing, processing, inte sharing and presenting i massive including multii It is desired that the sys	oject Re ems mus grating, i ntelliger media da tems be	quirements st provide a full suite of services for gathering, retrieving, distributing, manipulating, nee data. The information to be shared is ata such as documents, graphics, video, and audio. adapted to handle new data types.			
			The goal is to be able to cost effective manner. T years, organized with the time. It is expected that day. Thus, the total size as large as 20 petabyes assumed that storage d large multimedia databa will exist. The access tim	retain the he most re 2 to 5 te of the da with abo evices (p uses as v nes are a	ne data for potential future analysis in a e relevant data would remain on-line, say for 5 elevant data accessible in the least amount of rabytes of new data has to be processed each atabase (both on-line and off-line) could be but 300 terabytes of data stored on-line. It is primary, secondary, and even tertiary) for the well as data pathways with the required capacity about 5 seconds for the data less than a week			

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