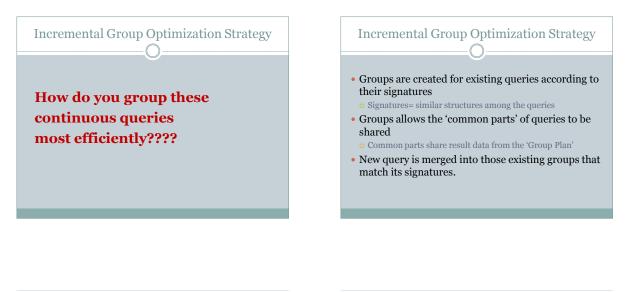


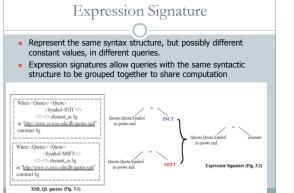


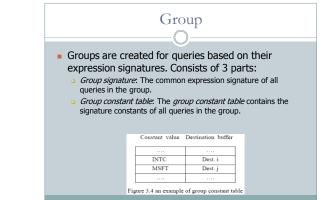
NiagaraCQ Command Language

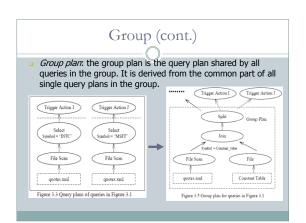
CREATE CQ_name

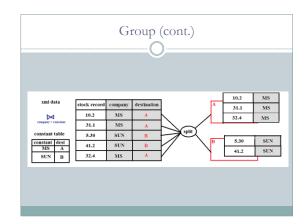
- XML-QL query
- DO action
- {START start_time} {EVERY
 time_interval} {EXPIRE expiration_time}
- Delete CQ_name





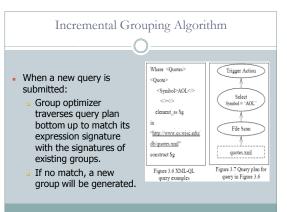


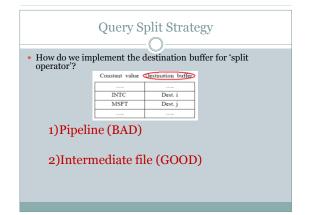


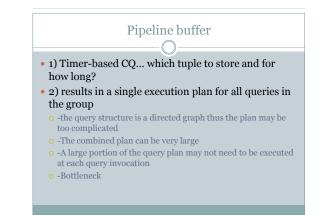


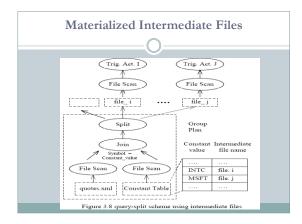
Discussion

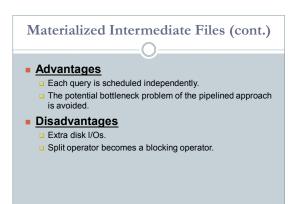
- Expression signatures as described here are a very simple transformation. Are they *too* simple? That is, do they group together enough of the kinds of queries that this system is meant to handle?
- Do you think they would work better or worse for SQL queries instead of XML?





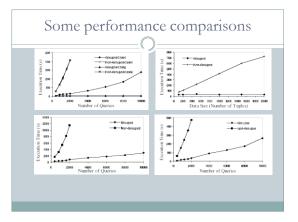


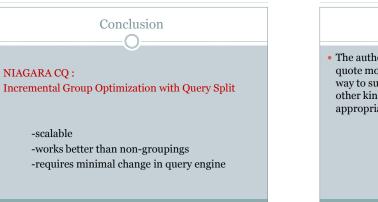




Other details

- Timer-based continuous queries fires at specific times, but only if the corresponding input files have been modified.
- Incremental evaluation allows queries to be invoked only on the changed data = 'delta file'







• The authors motivate Niagara with a simple stock quote monitoring application. Is Niagara the best way to support this particular application? What other kinds of applications would Niagara be appropriate for?