### Expensive Queries

**Cases of Imprecise Timestamps**
- Unknown or imprecise
- Granularity mismatch
- Clock synchronization

**Query with a Kleene Closure Component**
- Imprecise Time stamps
- Expensive Queries
- Flexible Selection Strategies

**Selection Strategies**
- Strict contiguity or partition contiguity
- Skip till next match
- Skip till any match

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### Performance Evaluation on Synthetic Data

**Throughput for True-value Consistent Predicates**
- collapsed vs. on-the-fly

**Number of Runs**
- collapsed vs. on-the-fly

**Cost Breakdown for Imprecise Case**
- SASE vs. on-the-fly

### Hadoop Use Case Study

**System Architecture**
- Avg. duration of mappers by Q1
- Avg. duration of reducers by Q2

**Queuing data size for different workloads by Q4**