Process Mining

COMP9313: Big Data Management

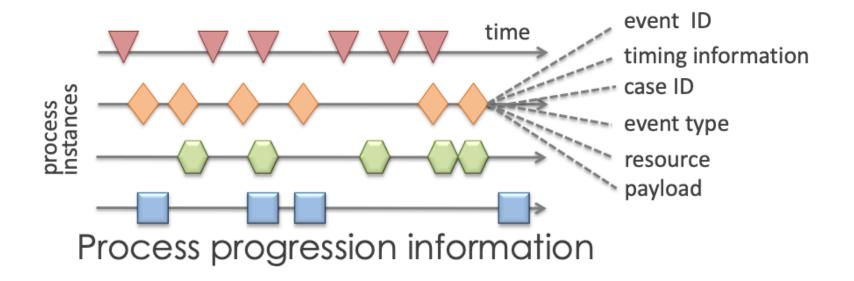
Tutorial / Demo: ProM Framework



Challenges

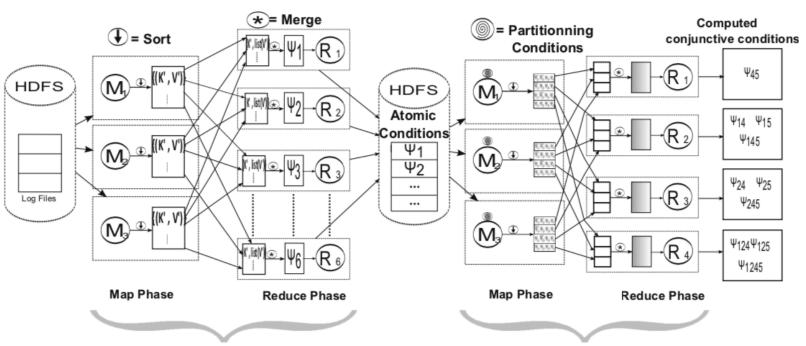
- Huge event logs generated by process-aware information systems (Volume)
- Events generated at very high speed (Velocity)
- Heterogenous events (Variety)
- Are the events in the log legit precise? (Veracity)
- Do we get access to all events generated by processaware information systems? (Visibility)
- Are all events really relevant in the context of process mining? (Value)

Events and event correlation





Event logs and event correlations



step 1: computing relevant atomic correlation conditions

step 2: computing conjunctive conditions

Thanks