Efficient Rule and Query Execution with CLIF++

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Abstract. CLIF++ is a variant on Common Logic with some interesting extensions. We added aggregates, a query language, and a combination of forward and backward chaining rules. The execution engine for CLIF++ uses our new set based query planner that was developed for efficient SPARQL execution. In our talk we'll show some of these query transformations and show a demo. CLIF++ can be used in all the situations where you need the ability to define first order logic predicates and the ability to active triggers to execute rules when triples are added or deleted.