

The Evolution of HyPer

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Abstract. The original vision of HyPer was to build an efficient combined OLTP and OLAP system by exploiting modern hardware, in particular large main-memory capacities. This original design led to a number of further developments, inspired by both technology changes and a broadening of the original goal. Key technologies were a powerful compilation framework and a highly parallelized query processing engine. This talk highlights the evolution and major development steps of HyPer from a specialized research system to an industrial-strength database system.