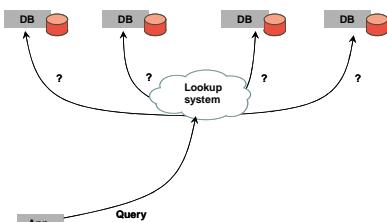


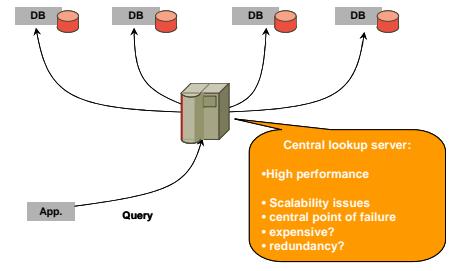
# Multiple Location Execution (Max)

F.-U. Andersen, S. Oechsner, K. Tutschku, T. Hoßfeld

## Problem Statement



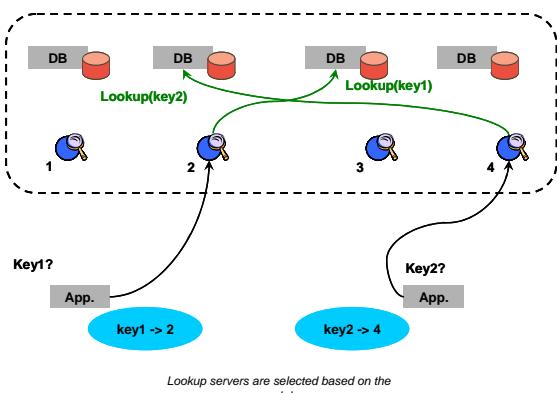
- Information is stored in physically separated databases
- When an application needs access to a specific data set, the database holding this entry has to be found
- The Max project evaluates architecture alternatives for this lookup layer



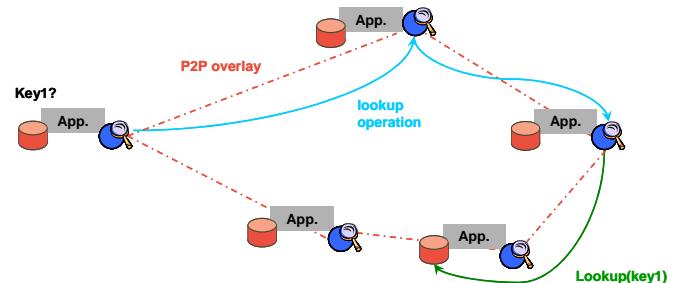
## Examples of possible architectures

### Lookup node selection

- The lookup server responsible for the lookup information of that data set is chosen deterministically by the application
- The lookup nodes do not have to be interconnected
- The application has to be adapted to support the location of the lookup server



### Distributed database



- Lookup information and data sets are distributed to the applications
- The lookup of data is handled by the algorithm used to distribute the information
- More resources than in the first solution have to be assigned to the end systems
- Good connectivity has to be offered to achieve required performance