Multiple Location Execution (Max)

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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

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