

DAS Overview

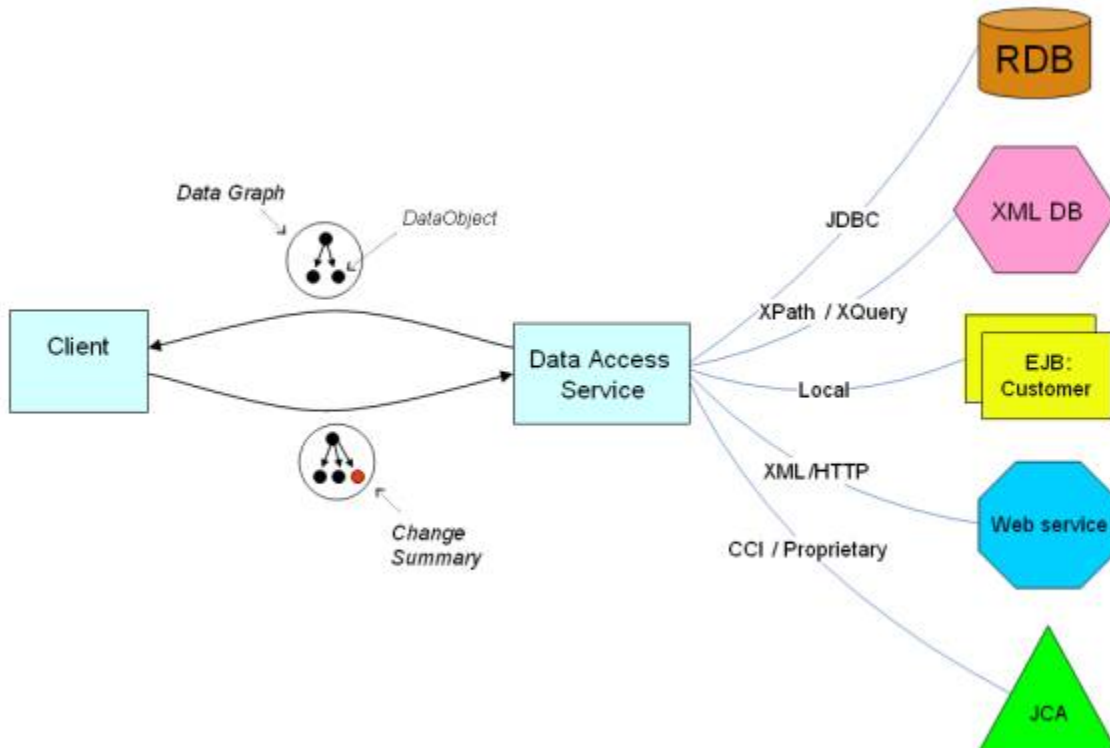
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What is Data Access Service?

Service Data Object(SDO) provides a uniform API for handling different types of data. Data Access Service (DAS) simplifies handling of data when interacting with the back-end data source and frees application developers from dealing with tedious and error-prone transformation between end source types and SDO Data Object Types/properties.

Tuscany provides implementation for different flavors of DAS in two languages, Java and C++. Please follow the link under each language to explore what is available or is in progress. We welcome your help to extend support for other back-end data source types or complete the existing solutions.

The following diagram illustrates a typical client interaction. The client starts by reading a graph of data and makes modifications to the graph, possibly by adding elements, and then requests the DAS to push the changes back to the data source.



Learn more about DAS

- [The Data Access Service: How to access relational data in terms of Service Data Objects](#), a White Paper
- [How to access relational data in terms of Service Data Objects](#), Java Developer Journal Article by Kevin Williams
- [Tuscany DAS Overview](#) , Kevin Williams and Luciano Resende
- [Luciano's blog on SDO/DAS and other SOA technologies](#)
- [Data Service and SCA](#), Luciano Resende