DAS Overview

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.
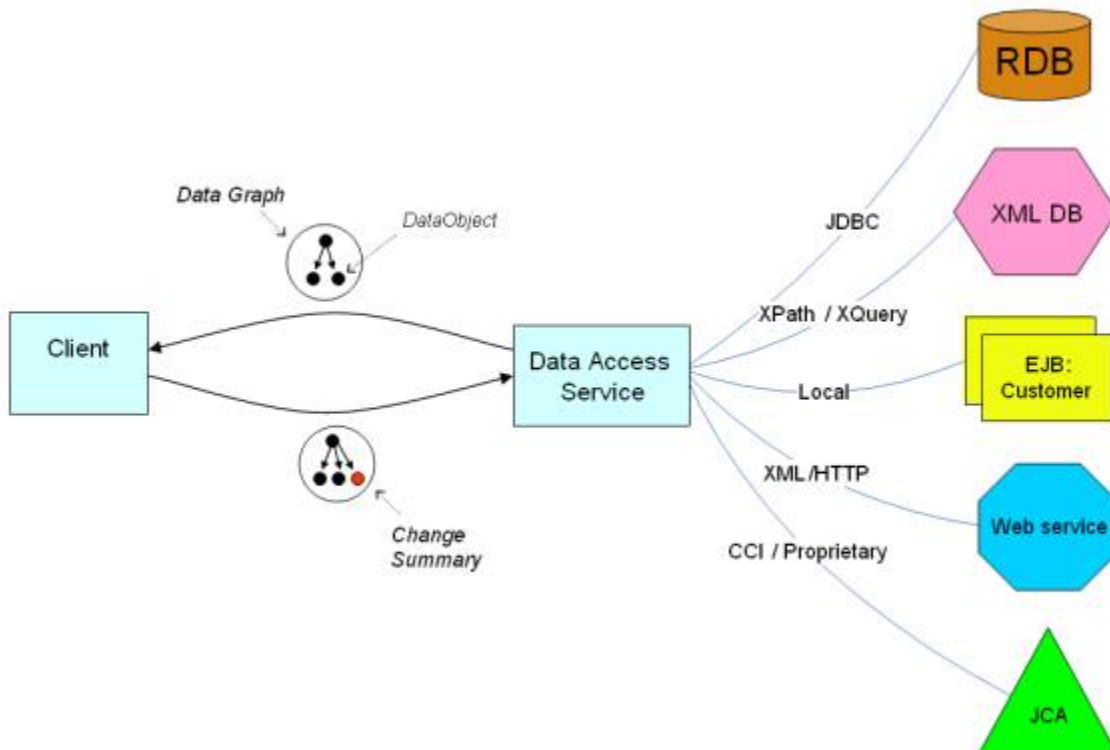
Resources

- [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

- [Luciano's blog on SDO/DAS and other SOA technologies]()