

The name of the Technical Committee (TC) shall be:

The OASIS Data Services Framework Technical Committee, abbreviated as the OASIS DSF TC.

Statement of Work:

- Collect, analyze and document the requirements for data management and sharing in a networked environment where data services lie under different domains of ownership and stewardship. The TC will collect requirements from several sources, including a survey of related vendor initiatives, regardless of direct participation in this TC.
- Develop a framework specification, abstract of specific standards, to aid architects in understanding the conceptual patterns of interaction pertaining to data oriented operations, as described below.
- Collect, analyze and document design patterns for data services to demonstrate use of the framework.

Scope:

The TC will:

- Create an abstract specification normatively describing a framework of operations to manage and retrieve data in a services environment, across ownership and stewardship boundaries. The framework will be sufficient to represent network services-based patterns of interaction for data, to include:
 - Information identity either as asserted by owner or established for specific transactions/interactions
 - Service patterns and interactions between a provider, consumer, and other resources and entities. The following set of interaction patterns will be included:
 - Data model synchronization
 - Multiple data retrieval patterns, including request-response, subscribe-push, probe and match, authenticated and/or single use of data and others
 - Data syndication
 - Data termination
 - Policy aspects of data access and management, including persistent rights management and real-time policy brokering
 - Auditing of interactions with data
 - Semantic reconciliation and monitoring capabilities
 - Search and index capabilities
 - Delivery of results or result set metadata
- The framework will only define a high-level process that illustrates the components of the system, their externally visible properties and the relationships amongst them.
- The TC may optionally write one or more non-normative profiles for implementing the framework using a common family of standards such as Web Services or other standards as may be applicable.

It is explicitly out of scope for the TC to:

- To specify, normatively, particular standards, technologies, or protocols as part of the framework that must be used to implement any aspect of a data operation.
- Define a mapping of the functions and elements described in the specifications to any programming language, to any particular messaging middleware, or to specific network transports.
- Define new key query algorithms, metadata specifications, or content specifications.
- Define concepts or renderings for functions that are of wider applicability including but not limited to:
 - Addressing
 - Query frameworks
 - Routing
 - Reliable message exchange
- Duplicate existing web services profiles or standards, although the abstract architecture work may be aligned with the abstract models behind such work.
- Define specific transformation services.

Deliverables:

The TC will deliver:

- A normative specification of a framework for data services and a meta-model to guide development of patterns.
- A set of architectural patterns describing specific usage profiles of the framework to address the primary requirements for data management and sharing in a services environment.

Audience

The proposed work of the TC will provide value for following entities:

- Vendors offering data services products.
- Other specification authors that need data management and sharing functionality.
- Software architects and programmers, who design, write or integrate applications that require an interoperable, composable solution for data discovery and retrieval to either expose or consume data in a service-oriented manner
- Vendors and policy makers looking for a framework within which to develop and implement policies regarding data protection and/or rights management, whether the data is provided/used by vendors, end-users or services.