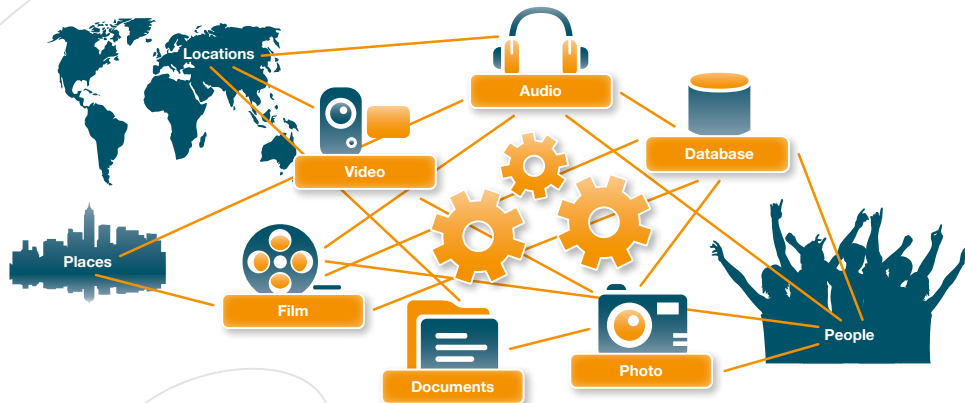


## LINKED MEDIA FRAMEWORK

**Your Key to Enterprise Information Integration based on the Linked Data Principles**



### Does this look familiar to you?

- Your information is scattered across diverse information systems (e.g. documents, media assets, e-mails, intranets, CRM, ERP).
- Your corporate knowledge is encapsulated in data silos instead of being generally available. The underlying terminology is ambiguous and modelled redundantly.
- Unstructured information in various media types prevents you from getting a universal view of enterprise information relevant to common business processes.
- You cannot access knowledge outside your enterprise easily.
- You are desperately looking for efficient search and retrieval across multiple content platforms based on your corporate terminology.

### The Linked Data Principles have been around for quite a while ...

- Now they are extended for media assets and allow implementing the Read-Write-Web as proposed by the W3C.
- They offer a foundation for the integration of enterprise information from various sources.
- They allow you to connect and complement your corporate knowledge and benefit from the knowledge available in the World Wide Web.
- They allow publishing relevant corporate information on the Web of Data thus enabling other services to make use of it.

### The Linked Media Framework

The Linked Media Framework (LMF) is a one-click-install software framework including a Linked Data Server. It provides a platform for integrating and interlinking structured data and media content for enterprises and on the Web. The Linked Media Framework is based on the Linked Data Principles with extensions that make it a profound basis for enterprise information integration and for management of both, metadata and content.

## Key Components

- **LMF Core** provides a Linked Data Server that allows exposing data following the Linked Data Principles. The Linked Data Server offers a SPARQL endpoint and RESTful Web services as well as a client library.
- **LMF SPARQL** offers SPARQL 1.1 support for querying and modifying the triple store.
- **LMF LDPPath** offers user-friendly querying over the Linked Data Cloud based on the LDPPath language ([ldpath.googlecode.com](http://ldpath.googlecode.com)).
- **LMF Semantic Search** offers a highly configurable search service based on Apache SOLR.
- **LMF Linked Data Cache** implements a cache to the Linked Data Cloud that is transparently used when querying the content of the LMF.
- **LMF Reasoner** implements a rule-based reasoner that allows processing datalog-style rules.
- **LMF Text Classification** provides basic statistical text classification services. Multiple classifiers can be created, trained with sample data and used to classify texts into categories.
- **LMF Versioning** implements versioning of metadata updates.

## LMF Client Library

A convenient option to use the LMF for Linked Data development is to build applications based on the LMF Client Library and a standalone LMF Server. The LMF Client Library provides an API abstraction around the LMF Web services and is currently available in Java, PHP, and Javascript (more to come). The library provides functionalities for resource management, configuration, LDPPath, SPARQL, semantic search, and the reasoner.

## Integration with other tools

To deliver additional capabilities, release 2.2 of LMF was integrated with other Open Source tools: e.g. Apache Stanbol ([incubator.apache.org/stanbol](http://incubator.apache.org/stanbol)) is used to semantically enhance the managed content, and Google Refine ([google-refine.googlecode.com](http://google-refine.googlecode.com)) can be used to reconcile legacy data and easily publish them according to Linked Data principles by means of LMF.

## Download and license information

The Linked Media Framework 2.2 is available for download at [lmf.googlecode.com](http://lmf.googlecode.com) under Apache License 2.0.

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