

Tekniker Dataspace Connector

Dr. Gonzalo Gil Inchaurrea | Tekniker | 03/12/2024





PostgreSQL



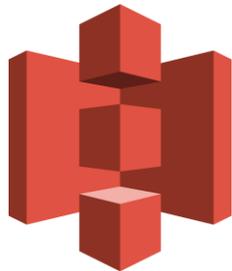
Microsoft®
SQL Server®



influxdb



mongoDB®



¿Que Datasets se ofrecen?

¿Como accedo a los Datasets?

¿Que políticas de uso tiene cada Dataset?



- Conjunto de especificaciones que definen los protocolos y esquemas requeridos por entidades participantes de un espacio de datos para publicar Datasets, establecer acuerdos de uso y acceder a los Datasets negociados

INTERNATIONAL DATA SPACES

[Dataspace Protocol](#)
[How to Build Dataspaces?](#)
[Main IDSA Assets](#)
[Other Resources](#)
 Ctrl+K

OVERVIEW

[Dataspace Protocol 2024-1](#)

Terminology

Information Model

COMMON FUNCTIONALITIES

Specification

Binding: HTTPS

CATALOG

Specification

Binding: HTTPS

CONTRACT NEGOTIATION

Specification

Binding: HTTPS

TRANSFER PROCESS

Specification

Dataspace Protocol 2024-1

NOTE: For GitHub users, the link to the rendered content is <https://docs.internationaldataspaces.org/dataspace-protocol/>.

NOTE: The human-friendly version of this specification in the [IDSA Knowledge base](#) will always show the latest version of the document. The version history and changes are provided via the [GitHub Repository](#).

About versions of the Dataspace Protocol

This version ([2024-1](#)) of the Dataspace Protocol specification is the release candidate and considered to be stable. Further changes shall not affect conformity. Since [version 0.8](#) the specification is stable with changes in details. All changes made to the specification can be reviewed in the [GitHub repository](#).

NOTE: A versioning scheme beside the commits to the repository is not available but will be provided in the future.

[About versions of the Dataspace Protocol](#)

Abstract

Introduction

Context of this specification

Best Practices

[Edit on GitHub](#)



Driving data spaces innovation

Collaborators defining and embracing the Dataspace Protocol

INTERNATIONAL DATA SPACES ASSOCIATION

Who co-defined it?

Who is currently using it?



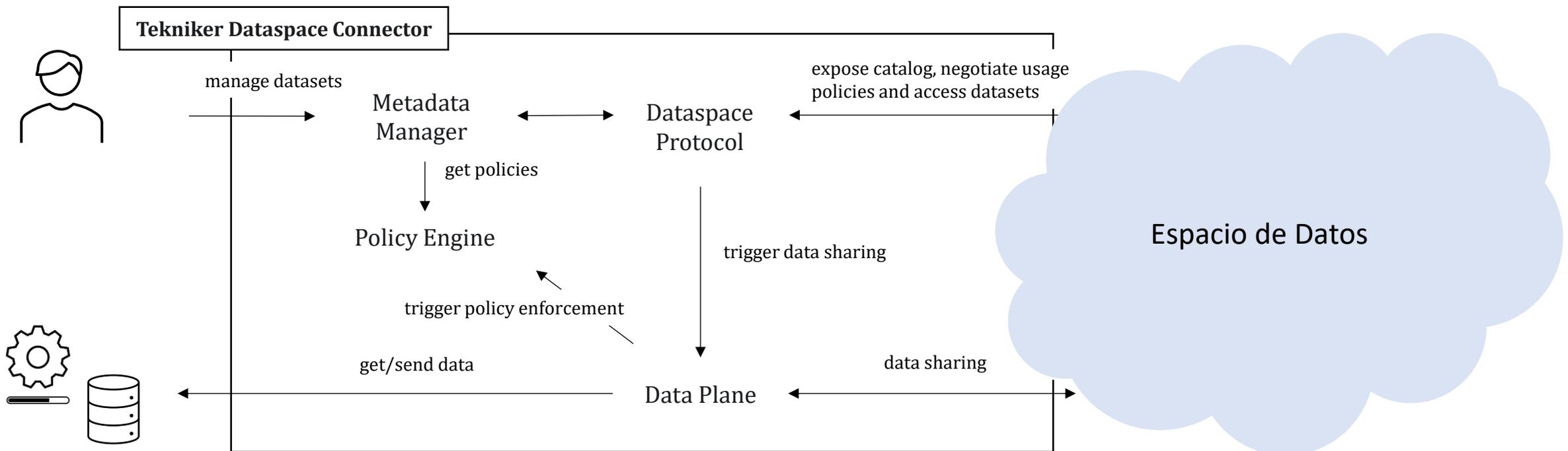
¿Qué es?

Solución modular que permite a las empresas establecer un único punto de entrada a los datos ofrecidos y solicitados a través de un espacio de datos garantizando:

- **Interoperabilidad** de los datos compartidos
- **Soberanía de los datos** a lo largo de todo su ciclo de vida

¿Cómo funciona?

1. **Metadata Manager:** gestión de los datasets ofrecidos y solicitados a través del espacio de datos
2. **Dataspace Protocol:** descripción de catálogos, negociación de acuerdos de uso y acceso a los datasets de forma estandarizada
3. **Data Planes:** transferencia de los datos a través de diferentes protocolos adaptados a casos de uso
4. **Policy Engine:** aplicación de políticas de control de uso





Sidebar menu filter...

Navigation

Data Provider >

Data Consumer ▾

Requests

Contracts



Request a Catalog from Provider

Ok

Catalog

Title Catalog
 Description Sin descripción
 Keywords Data Space, Catalog

Data Service

Endpoint Description Tekniker Dataspace Connector Participant 1
 Endpoint Url <http://constructionsparticipant1.tekniker.es:8180/api/v1>

DataSets

#	Dataset ID	Title	Description	Keywords	Actions
1	2d418d73-28be-4e67-987c-176f3abaef42	Dataset	This is a description	Data Space, Dataset	See more

Distributions

#	Media Type	Access Service	URL
1	application/json	Tekniker Dataspace Connector Participant 1	http://constructionsparticipant1.tekniker.es:8180/api/v1

Policy providerId: tdc-participant-1

#	Action
1	odrl:use

Constraints

#	Left Operand	Operator	Right Operand
1	odrl:system	odrl:eq	system-id

2	127a43c1-c6de-47ed-9c25-1f37ced57401	Dataset 2	This is a description	Data Space, Dataset	See more
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Sidebar menu filter...

Navigation

Data Provider >

Data Consumer ▾

o Requests

o Contracts



DataSets

#	Dataset ID	Title	Description	Keywords	Actions
1	2d418d73-28be-4e67-987c-176f3abaef42	Dataset	This is a description	Data Space, Dataset	Hide Contract Negotiations

Contract Negotiations

#	Provider PID	Consumer PID	Callback Address	State
1	08cc7683-ed36-47b8-8b23-ba370b3a77d2	7acc5008-abc4-4ac4-a70e-e1b85b9e87c8	http://constructionsparticipant1.tekniker.es:8180/api/v1	FINALIZED

Agreement

Timestamp	Assigner	Assignee
2024-11-27T15:14:34Z	tdc-participant-1	tdc-participant-2

Permissions

#	Action
1	odrl:use

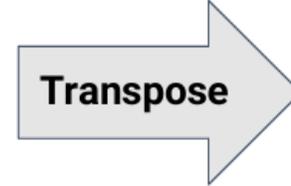
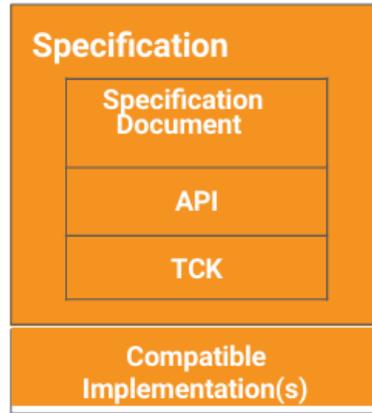
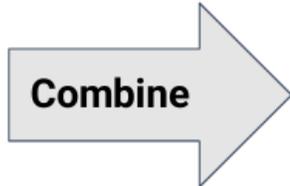
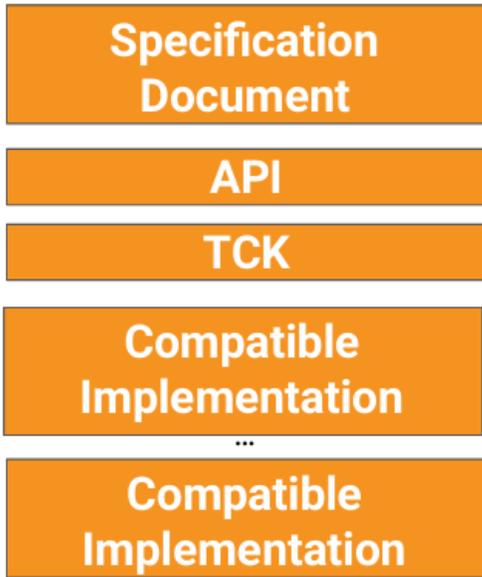
Constraints

#	Left Operand	Operator	Right Operand
1	odrl:system	odrl:eq	system-id

2	5724de17-8754-4c45-8ab1-d92de2633ff3	cb9848c9-a9bd-4386-8e99-325d7f27830e	http://constructionsparticipant1.tekniker.es:8180/api/v1	TERMINATED
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Standards at Eclipse and Beyond





¡Muchas gracias!

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