

A Catalog for Modern Data Products

A Centralized Catalog of Data, Access Protocols, and Applications for
Building Powerful, Next-Generation Data Products

The Data Catalog Advantage

The Problem: Data Fragmentation

Enterprises struggle with disconnected data spread across various systems. This fragmentation hinders innovation, slows down development, and makes it impossible to build cohesive, intelligent data products.

The Solution: A Centralized Data Catalog

A Data Catalog provides a unified, queryable inventory of all available data assets, access methods, and applications. By creating a single source of truth, it accelerates development, promotes reuse, and empowers teams to build sophisticated data products with confidence.

Core Applications & Data Spaces

Interconnected applications representing distinct data spaces within the catalog

URIBurner

Publicly accessible data spaces for broad data exploration and integration.

Demo Environment

A sandbox with diverse public datasets for demonstrating platform capabilities.

Customer Support

Private, secure data spaces containing customer-specific information.

OnBoarding System

Manages product installers and onboarding documentation as distinct data assets.

Shop System

Powers e-commerce with data spaces for offers, carts, and payments.

Universal Data Access Protocols

Industry-standard protocols to connect to your data from any tool or application



SPARQL Endpoint



HTTP REST API



Faceted Browser



ODBC



JDBC



Description Service



Graph Store Protocol



AI Agent Interaction

Inside the Data Spaces

URIBurner Data Space Statistics

Entity Type	Sample Entity	Count (Triples)
RDF Statement	Proxy IRI	23,464,968
Twitter Tweet	Status 1381...	10,758,557
Person	Anastasios V.	4,160,832
Annotation	Proxy IRI	2,565,564

Inside the Data Spaces

Demo & Shop Data Space Statistics

Entity Type	Sample Entity	Count (Triples)
Demo Data Space		
Transaction	006ae8dd...	200,000
FraudLabel	004de19a...	200,000
Company	Bechtelar-Lowe	41,038
Shop Data Space		
DebugMessage	urn:products:message...	2,092,628
ProductLicense	Product License	5,552

Data Product Development Lifecycle

A straightforward process designed for rapid development and value realization



Frequently Asked Questions

Why is a centralized registry of Data, Data Access Protocols, and Applications important?

A centralized registry acts as a single source of truth, directly addressing chronic enterprise issues like data silos and inconsistent information. It dramatically improves the discoverability of data assets, ensuring that developers and analysts can find what they need quickly.

How is a centralized registry used to create Data Catalogs?

A registry becomes a powerful Data Catalog when its contents are described in a structured, machine-readable format. We achieve this using standard RDF vocabularies like VoID (Vocabulary of Interlinked Datasets), creating a rich, searchable inventory for both humans and automated tools.

How is a Data Catalog used to create Data Products?

A Data Catalog is the essential "design-time" tool for building "run-time" Data Products. A data product developer uses the catalog to discover, evaluate, and select the precise components they need, allowing them to rapidly assemble and deliver a finished Data Product.