Data Access Component

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A platform about Data…but

Data already exists

Countless technologies for persistence or transmission

Unknown data structures
The Data Access Component is the responsible of

- Get data from different independent sources
- Make them understandable for all the other platform users
- Make them available for all the other platform users
When should I use the component?

- Do I have data of interest for other stakeholders?
- Would I love to have a way to integrate my own different services?
- Do I just want to get data from third parties?
Position in the platform

Platform Service Gateway
  - IDS Connector

Data Governance Services
  - Clearing House
  - IDS Broker
  - Data Governance Rules
  - Identity Management

Analytics Services
  - Auto Model Training Engine
  - Process-Based Analytics

Data Processing Services
  - Semantic Interoperability
  - Data Access
  - Data Abstraction & Virtualization

Data Sources
  - Blockchain Network 4 Data Sharing

Semantic Interoperability

Data Access

Data Abstraction & Virtualization

Blockchain Network 4 Data Sharing
Position in the platform

Semantic Interoperability Component

On-Demand Component
- on-demand NGSI data

Publish/Subscribe Component
- close to real-time NGSI data

Metadata Registry
- agents & data-sources NGSI metadata

Middleware Component
- Semantic Broker
- DataPorts Ontology

Semantic Interoperability API

Data Access Component

Data Access Agents
- Agent
- Agent

Data Access Manager
- start / stop
- manage agents
- agent metadata
- data metadata

Data Sources
- get data
- raw data

Metadata Registry
- NGSI data
- NGSI metadata

Manager API
pyngsi: framework that helps you write a pipeline for a Fiware dataflow.
Integrations

Valencia Port

Smart Containers

Operations

Port Management System Integration

Terminal
Operating System

Truck Appointment

Gate Access

Thessaloniki Port
Demo

Video
Thank you!

Find more:

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