

# Data Mesh Framework Powered by Orange Business Services

Basic offer from 35k€<sup>(1)</sup>  
Full offer on quotation



## Unlock the potential of your data using a domain-driven architecture

Hyper-personalization, smart decision making, new business opportunities and faster innovation

Nowadays, companies are facing an increasing difficulty to get and store high-quality / usable data. Their data engineering and data scientist teams are overloaded. A lack of alignment between the data engineering team and the business teams is developing the impossibility to scale-up and develop new data products.

To better face the complexity of current data landscapes and enable new data product development, Orange Business Services supports its customers with its Data Mesh framework offer.



## Orange Business Services' solution Data Mesh framework on top of AWS

Orange Business Services offers an asset-based data framework built around the Data Mesh paradigm. It includes the data platform as well as the support to shift organizational culture through dedicated workshops.

Instead of having one large body of data, Orange Business Services' Data Mesh framework supports its customers to decompose their centralized data into distributed data products. By using a self-service platform, Orange Business Services' customers can easily get the best from their data: creating new use cases and enabling faster delivery of new data products.

### Basic offer – from 35k€<sup>(1)</sup>

- Pre-packaged solution
- Data Mesh framework deployment
- One domain implementation with standardized interface for data load
- Set up of AWS accounts and VPN Gateway
- Federated data governance

### Full offer - on quotation

- Customized domain implementation
- Ideation and governance workshops
- Global data governance solution
- Monitoring tooling and FinOps governance
- VPN access, peering / routing / connection
- Tailor-made features
- Data Mesh as a 100% managed service

## Benefits

Kick-start the development of a Data Mesh framework with Orange Business Services instead of developing a data platform from scratch.



### Rethinking data as a product

Data Mesh creates an ecosystem of data products allowing its users to get the most out of data, data teams and data consumers



### Interoperability & standardization

Every domain provides standardized interfaces to access their data which allows effective collaboration and interoperability



### Teams get business focused

Each domain team is responsible for domain-related use cases or is involved in solving a specific business problem



### Quick data platform deployment

Predefined automated infrastructure deployments enable teams to immediately start working on their core use cases

## Orange Business Services on AWS

The AWS portfolio offers a great number of tools and components to build a production-ready Data Mesh platform. To unlock the power of these cloud native components a skilled team of experts is required. Orange Business Services is providing the expertise as well as the asset of a ready-to-deploy Data Mesh data platform. Orange Business Services' AWS certified experts will implement and customize the Data Mesh framework solution to bring its customers successfully to the end of their data journey.

### Features



#### Domain API

To avoid every domain data set being accessed differently, an abstraction of the backend technology is always applied. Therefore, every domain implements its own domain API, using standardized specifications, to provide the requested data. Then the domain information servers make the domain schema discoverable and accessible to other domains.



#### Self-service infrastructure as a platform

The self-service platform is a simple and efficient way to manage the lifecycle of domains and its provisioning. It supports domain autonomy and allows teams to create and disseminate valuable data by providing dedicated and highly standardized domain environments. Such pre-configured working environment simplifies data access and enable teams to focus on core business outcomes.

## Example: Data Mesh framework for better HR data visualization

### Challenge

**Integrate and visualize confidential data coming from several sources**

The customer's HR team was using several applications for daily management of the company. All these data sources are using specific accesses and some of the data can be redundant regarding the different applications used.

Customer needed to be able to consult securely all this confidential data while having the best data quality possible.

### Solution

**Set up a Data Mesh domain, data governance and a frontend solution for data visualization**

By leveraging AWS tool sets we enabled the customer to gather all the necessary data in one Data Mesh domain.

By setting up governance processes, the collected data is reliable, under specific teams' responsibility and can be visualized using other frontend solutions.

### Results

**Dashboard system displaying confidential and verified HR data on top of Superset**

The Data Mesh setup enabled the customer to scale to bigger amounts of data as well as validating the quality of it.

Combining the Data Mesh governance and Superset solution: the customer has access to a modern data exploration and visualization platform for which all data sources had been validated.

## How to get started with Orange Business Services solutions

Orange Business Services sales representatives can be contacted through the [AWS Marketplace](#), the Orange Business Services [website contact form](#) or using the email address: [contact-marketplace@um-orange.com](mailto:contact-marketplace@um-orange.com).