



Wallonie

# MD-RDF finder: A cloud platform to retrieve relevant multidimensional linked data

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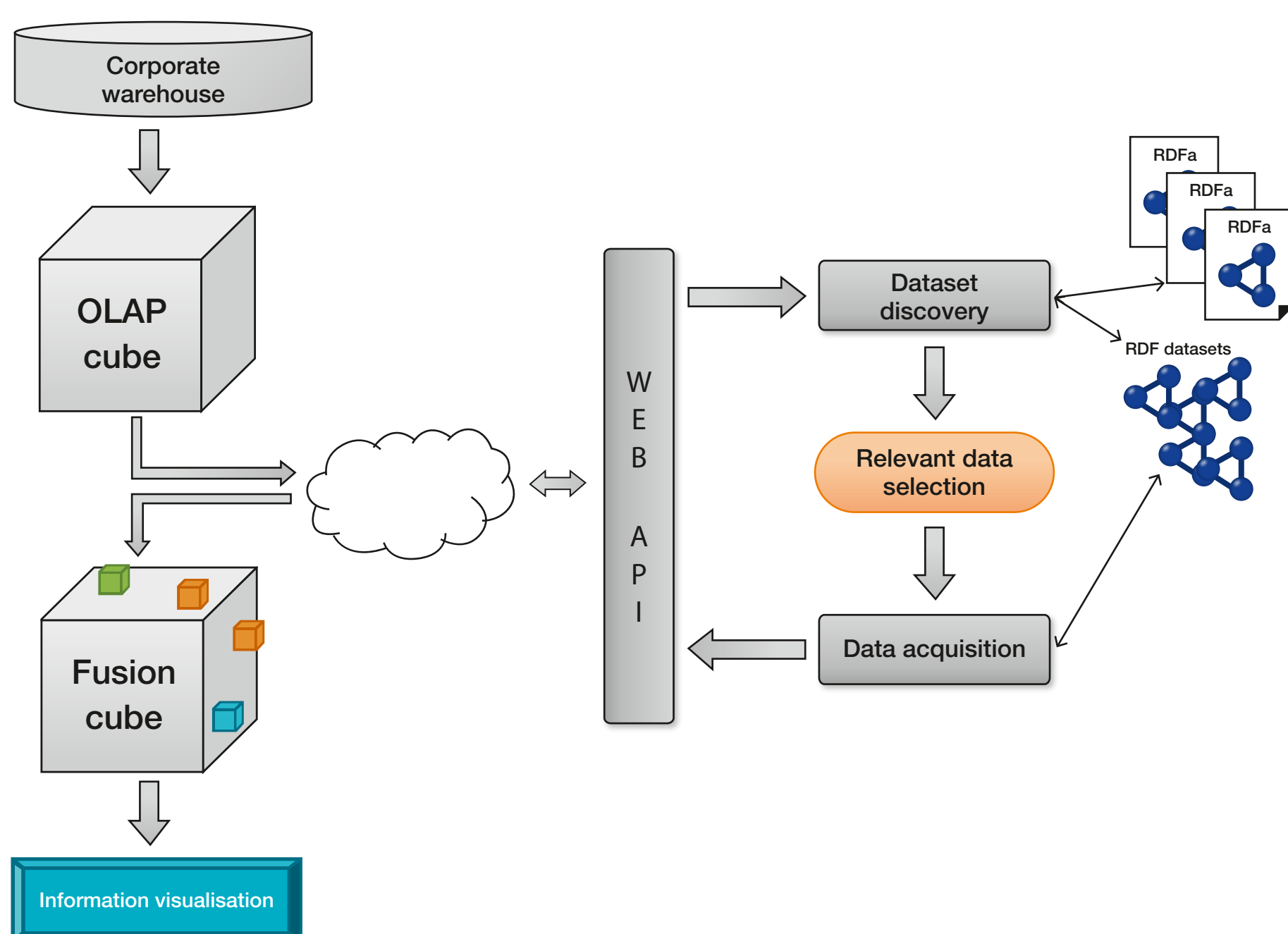
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Your Connection to ICT Research

## 1. Introduction

- Business Intelligence analyses such as OLAP are mainly focused on data produced and controlled by the decision-maker
- More and more data are now available on the web as Linked Data (RDF) → should be integrated in data warehouses to improve decision making
- The dynamic integration of Linked Data in OLAP analyses requires multiple tasks going from the retrieval of relevant multidimensional data, to the visualization

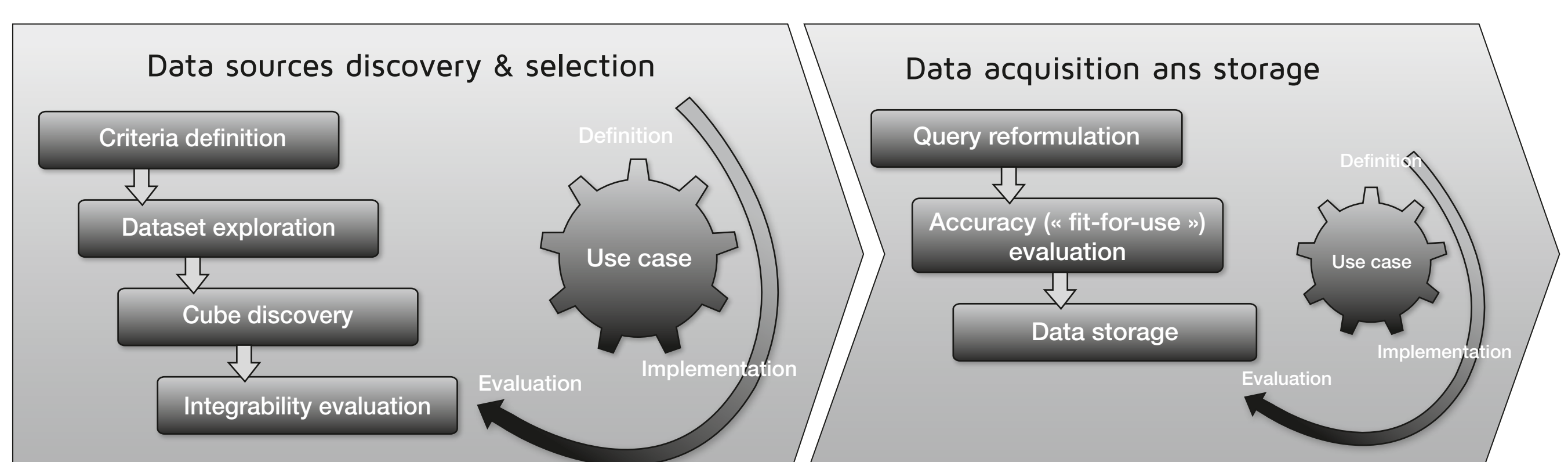
## 2. Objectives



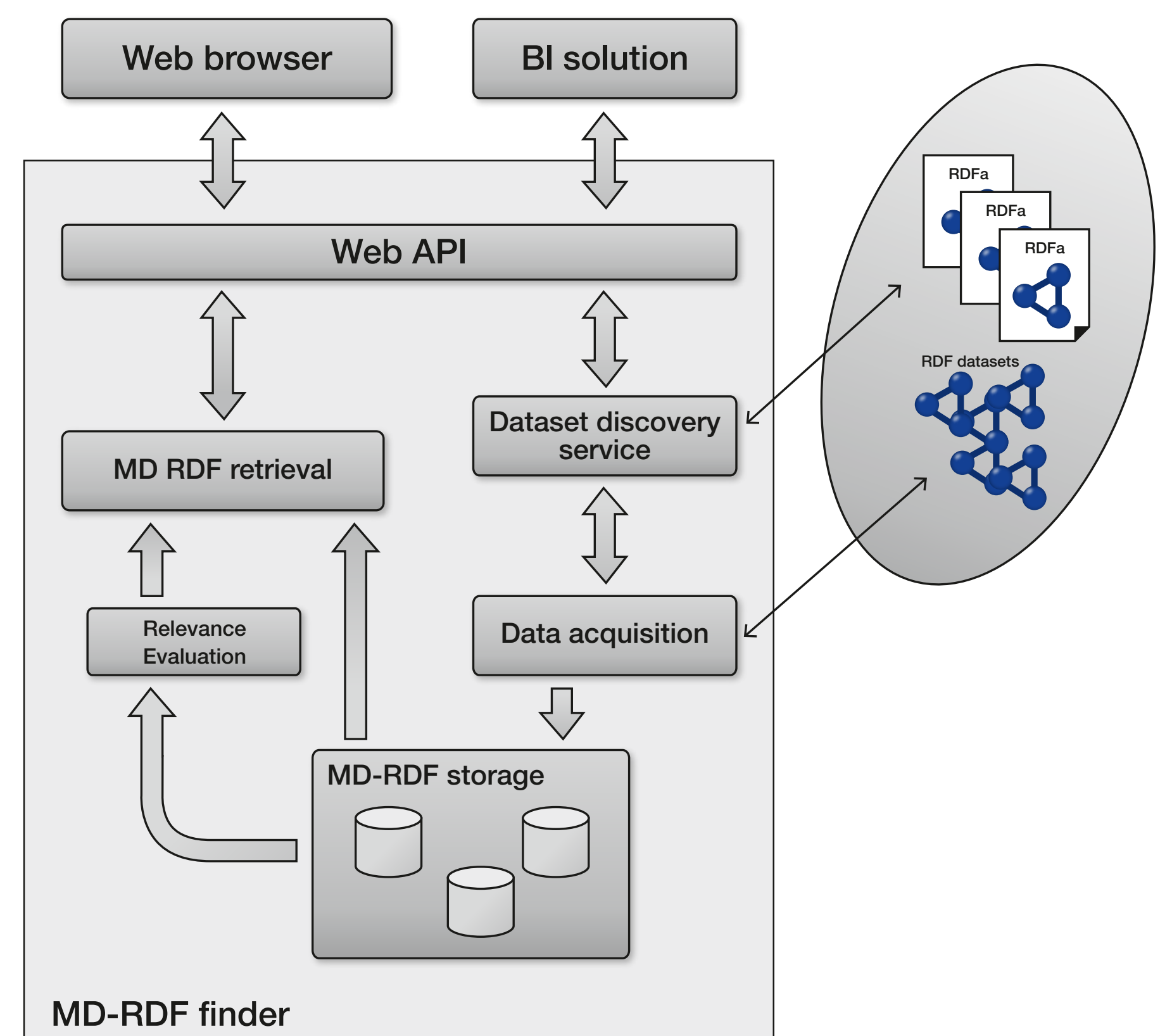
- Propose a method to find relevant Linked Data sources based on an existing local OLAP cube
- Develop a cloud-based platform to provide multidimensional data coming from Linked Data sources

## 3. Research plan and use cases

- TranStats - Flights statistics (departure delays, passengers...)
- Retrieval and integration of data published by governments
- Electronics retailer (products sales, prices)
- Increase OLAP analyses with competitors prices



## 4. Architecture



## 5. Ongoing Work

- Evaluation of existing methods and tools for Linked Data sources exploration
- Manual analyses of the integrability of some Linked Data (cube discovery)
- First use case definition and set up

## 6. References

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