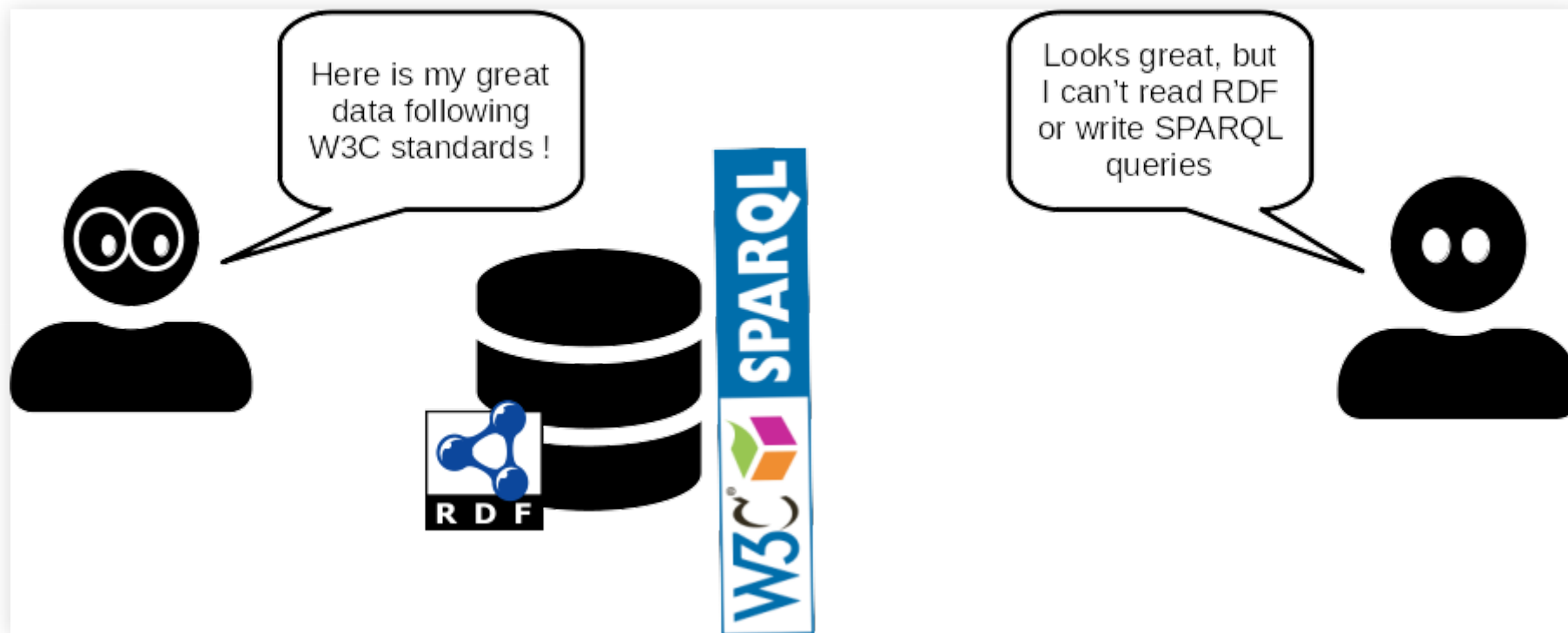


# SparqlExplorer

Fabien Amarger, Nicolas Chauvat, Elodie Thiéblin

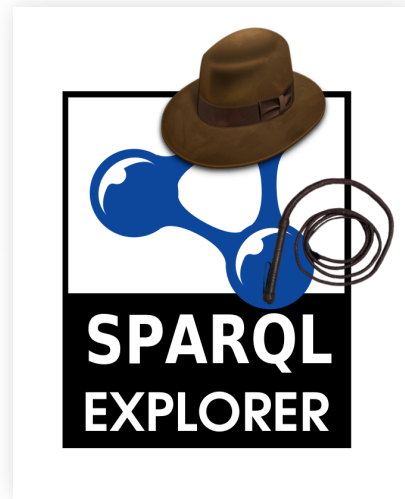


# Context use case



# SparqlExplorer

Navigate a SPARQL endpoint like you would navigate the Web.



# Basic Behaviour

**Home Page** Basic text search, list of classes.

**Navigation** URL Based navigation

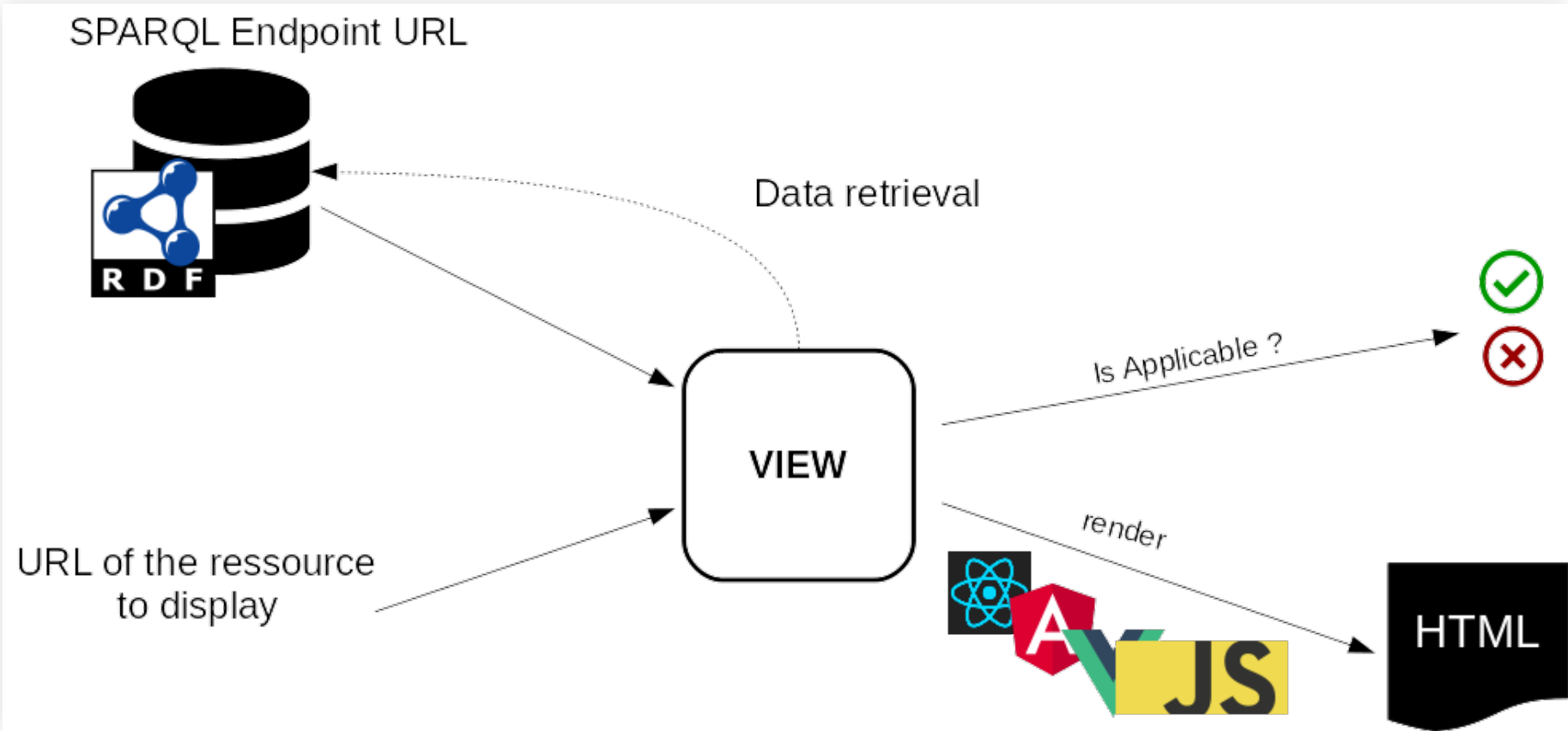
**Default display** Very classical tabular view of triples

## Using a View Server

“Basic” display is often not user-friendly enough.

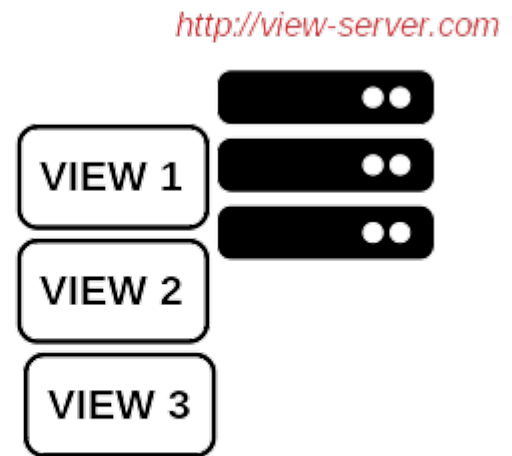
We would like the tool to propose a visualisation based on the data relative to an URL.

# Introducing Views



# View selection

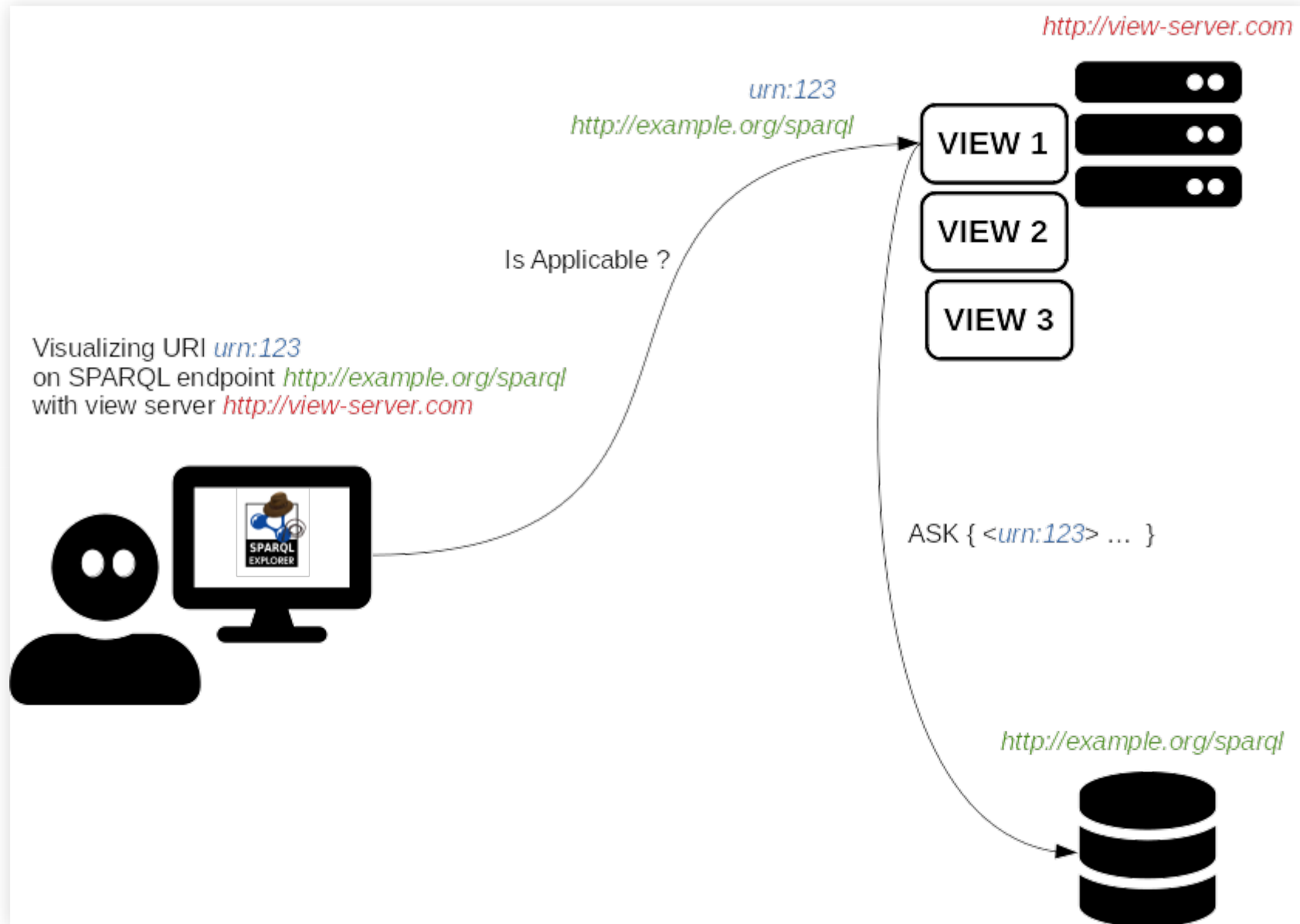
Visualizing URI [urn:123](http://example.org/sparql)  
on SPARQL endpoint <http://example.org/sparql>  
with view server <http://view-server.com>



<http://example.org/sparql>

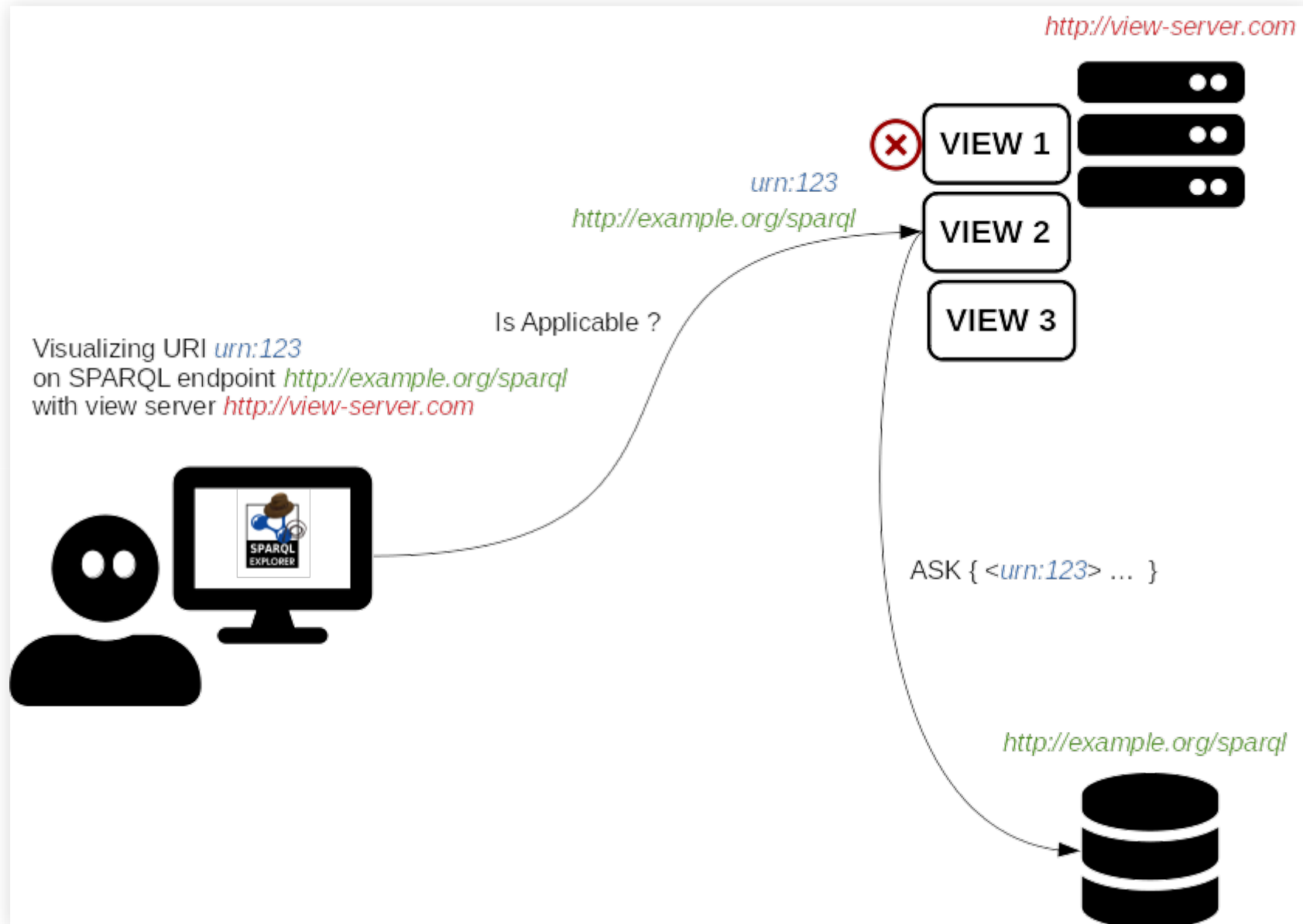


# View selection



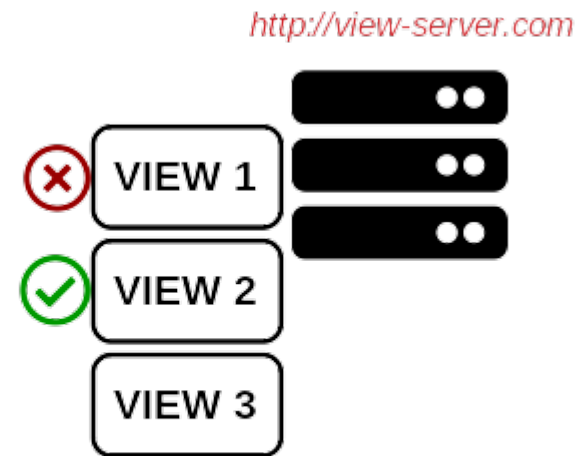


# View selection



# View selection

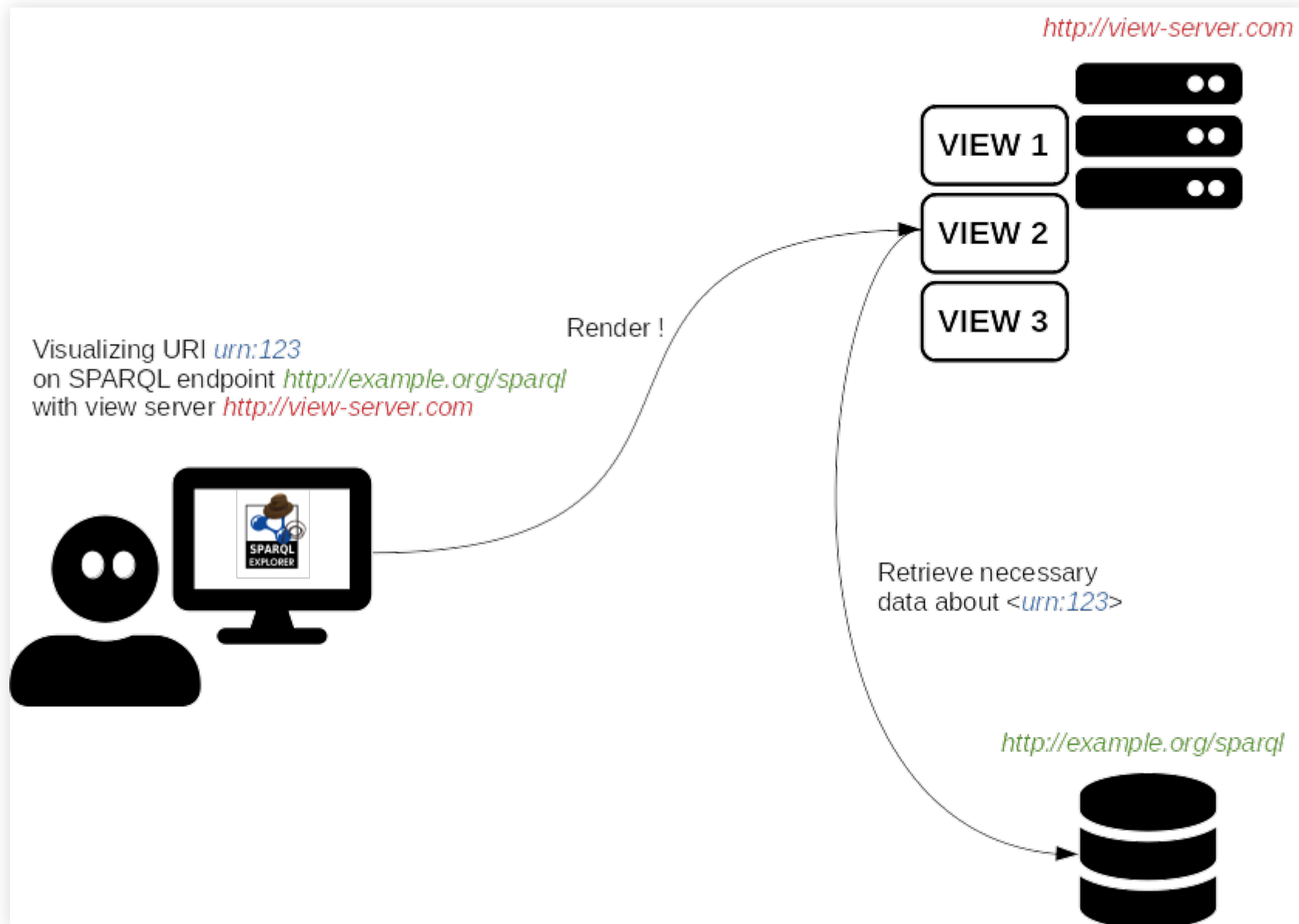
Visualizing URI [urn:123](http://example.org/sparql)  
on SPARQL endpoint <http://example.org/sparql>  
with view server <http://view-server.com>



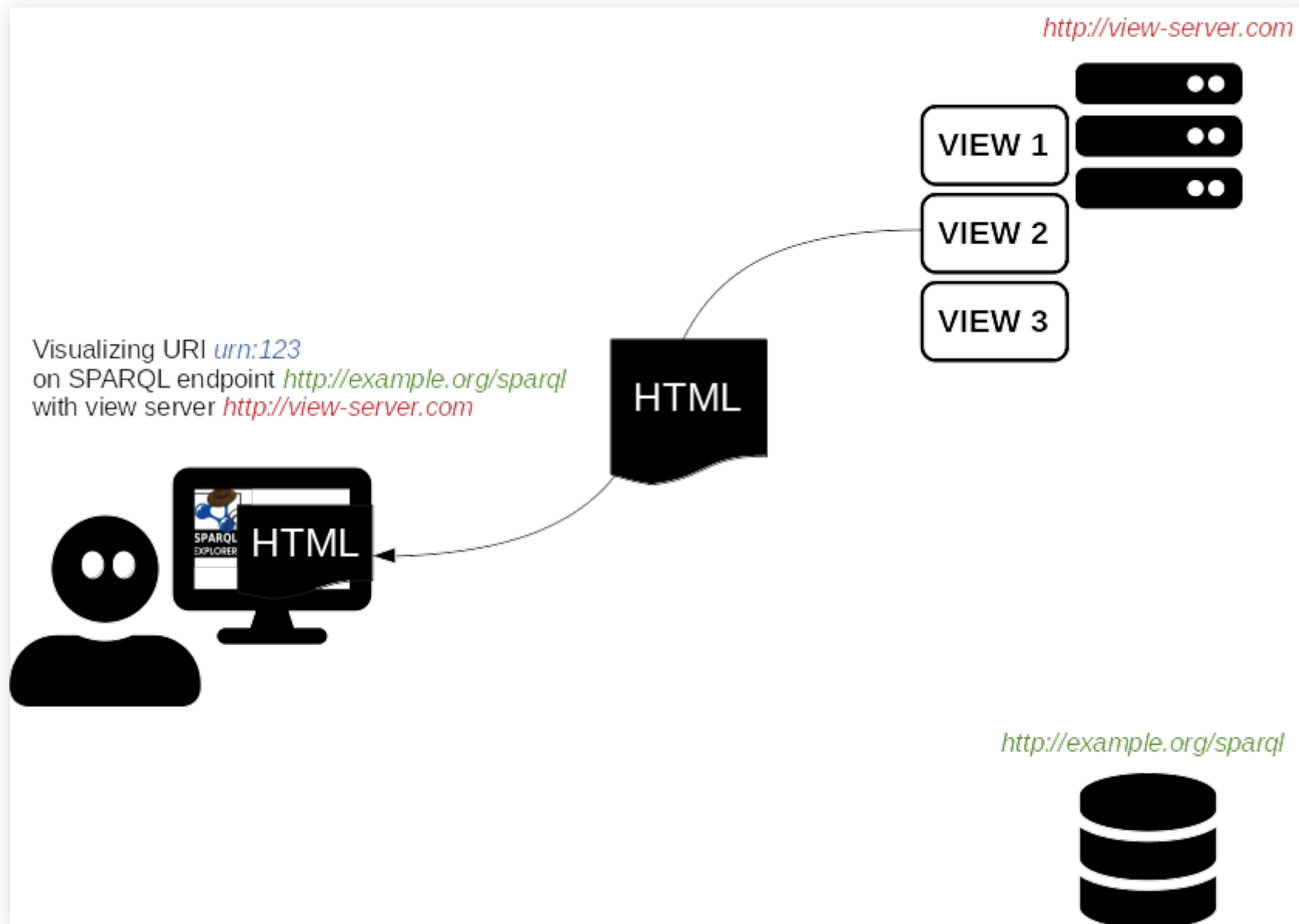
<http://example.org/sparql>



# View rendering



# View rendering



## Small demonstration

SparqlExplorer: <https://open-source.pages.logilab.fr/SemWeb/sparqlexplorer>

SPARQL Endpoint: <https://data.idref.fr/sparql>

View Server: <https://open-source.pages.logilab.fr/SemWeb/generic-views>

# Pros and Cons

## Pros

- A tool on the web for browsing SPARQL endpoints
- Web interfaces on-shelf for data producers
- A first view server for standard vocabularies
- An API to create your own view server

## Cons

- Performance issues (text search) on large datasets
- Requires that more view servers are developed to be wider-scoped

# Thank you

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