

eTOKAI

Webservice



Didier YVETOT
DSNA



Topics

- 1) **eTOKAI (limites)**
- 2) **Our needs**
- 3) **Solutions**
- 4) **Why not connected directly?**
- 5) **To what?**
- 6) **How? (Webservice)**

eTOKAI

- Autonomous system
- Connect to LDAP or AD for login
- ASMT

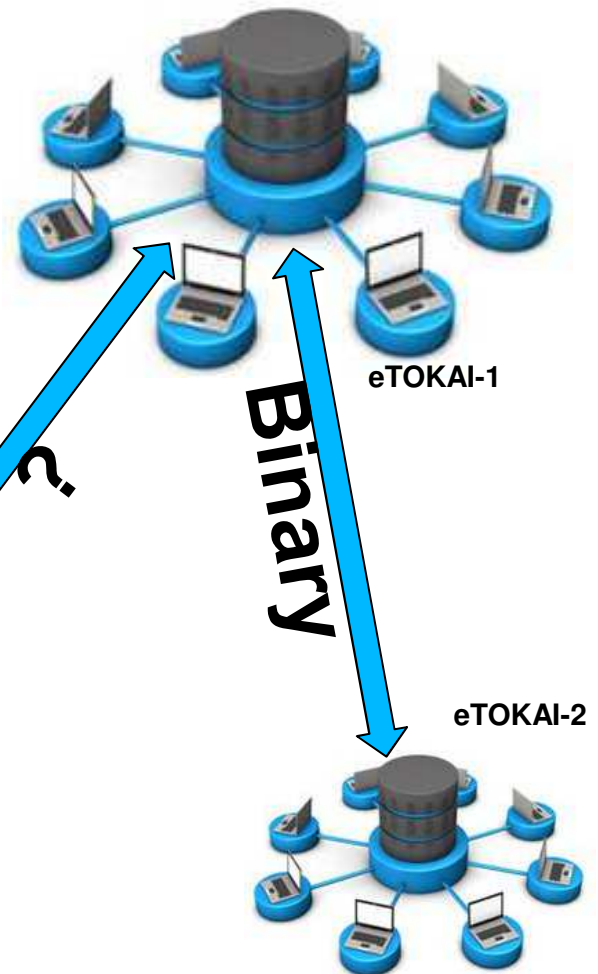
Export ?

- Data (Bin)
- Templates (Bin)
- Organizations (Bin)
- Taxonomy (Excel)
- Autocomplete list (Excel)

Import?

- Data (Bin)
- Templates (Bin)
- Organizations (Bin)
- Autocomplete list (Excel)

Other System



Limited query generator for the statistics and displays

Needs?

Import to
eTOKAI



Historic of occurrences from an
old system

Create a Notification

Create an Occurrence

Other DB
systems



eTOKAI DB

Specific use of
data



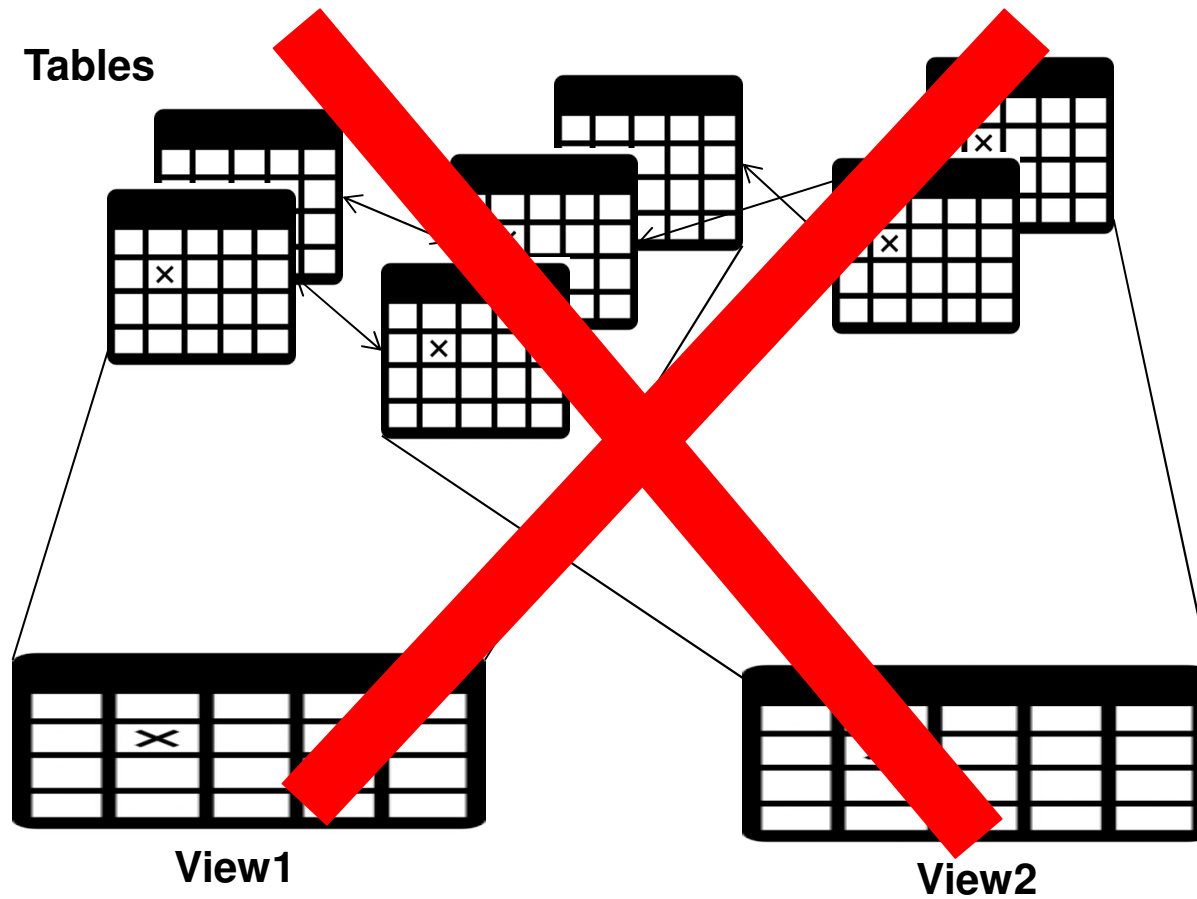
Export from
eTOKAI

Solutions...

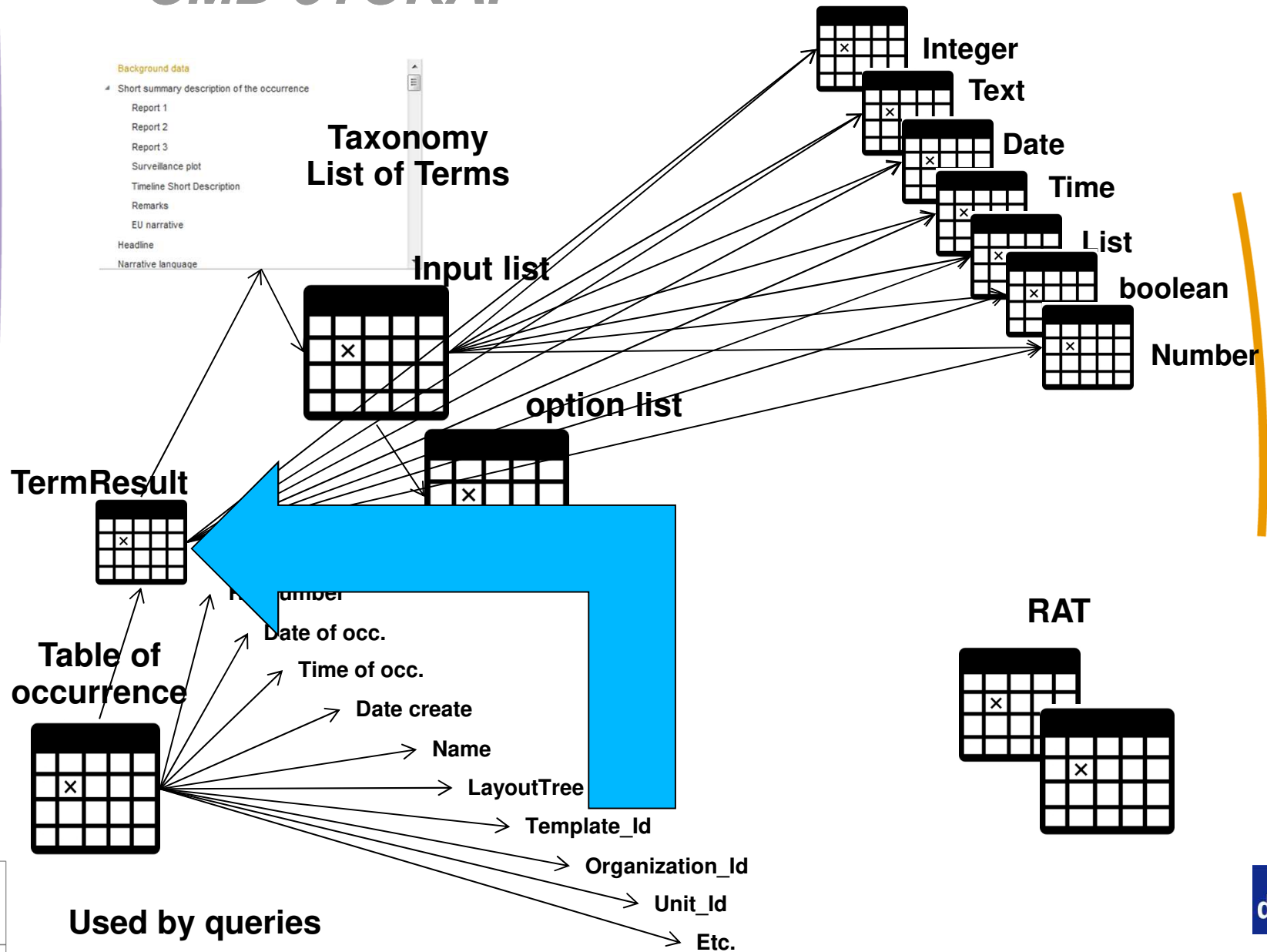
- **Ask to ECTRL to complete eTOKAI...**
 - Needs different from ANSPs
 - Needs can change over time
 - ...
- **Develop and use a specific application connected to eTOKAI SQL server**
 - Conceptual model of data (CMD) of eTOKAI very specific, not easy to obtain what we want...
 - Extraction of data depends on this conceptual model which can change for different reasons
 - Regulation
 - Templates
 - ...
- **Pass through an interface named : Webservice**
 - Protocol of communication between client and eTOKAI defined
 - Independent of CMD and Templates
 - Secured communication
 - ...

Why is it complex to connect directly to eTOKAI database?

Tables



CMD eTOKAI



After...

- **We have the connection**
- **We have the protocol**
- **We have the webservice**
- **For which Client?**
 - **ANSP application -> Development of a client Webservice**
 - **BI (Business Intelligence) -> Development of the transformation**

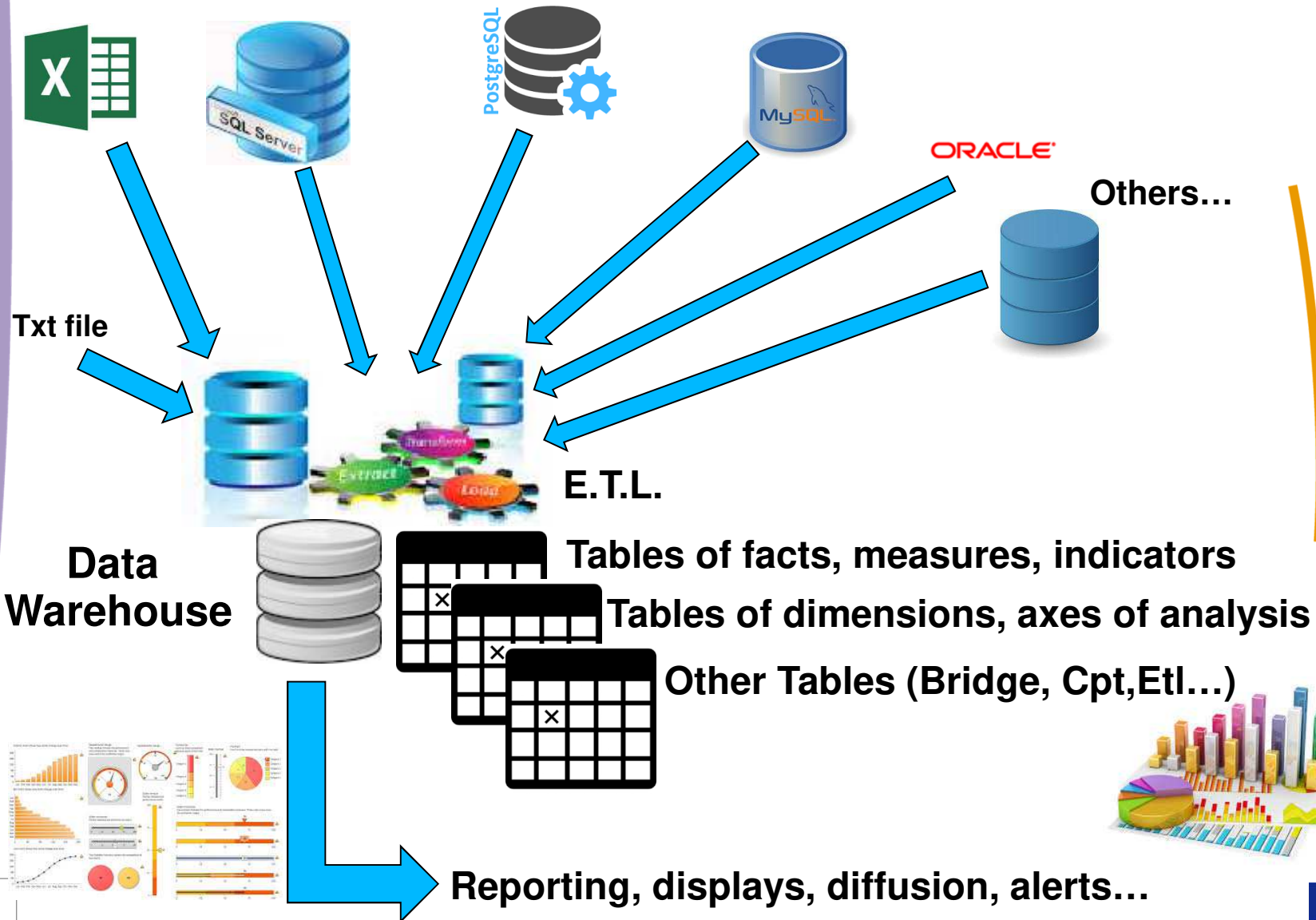
B.I. T.I. for decision making

Definition :

The tools and methods for collecting, consolidating, modeling and rendering the data, material or immaterial, of an enterprise in order to offer decision support and to enable a decision-maker to have an overview of the activity being treated.

- 1) Operational data is periodically extracted from heterogeneous sources and stored in a data warehouse**
- 2) Data is restructured, enriched, aggregated, reformatted, nomenclature**
- 3) This data is delivered to the various functional areas**

BI



How? Webservice specifications

- **Pre-requisites on the form**

- **Login/Password for the client**

- **To import**

- Import Template (Name, Id)
 - Notification Template or
 - Occurrence Template
 - Object structure (The simplest)

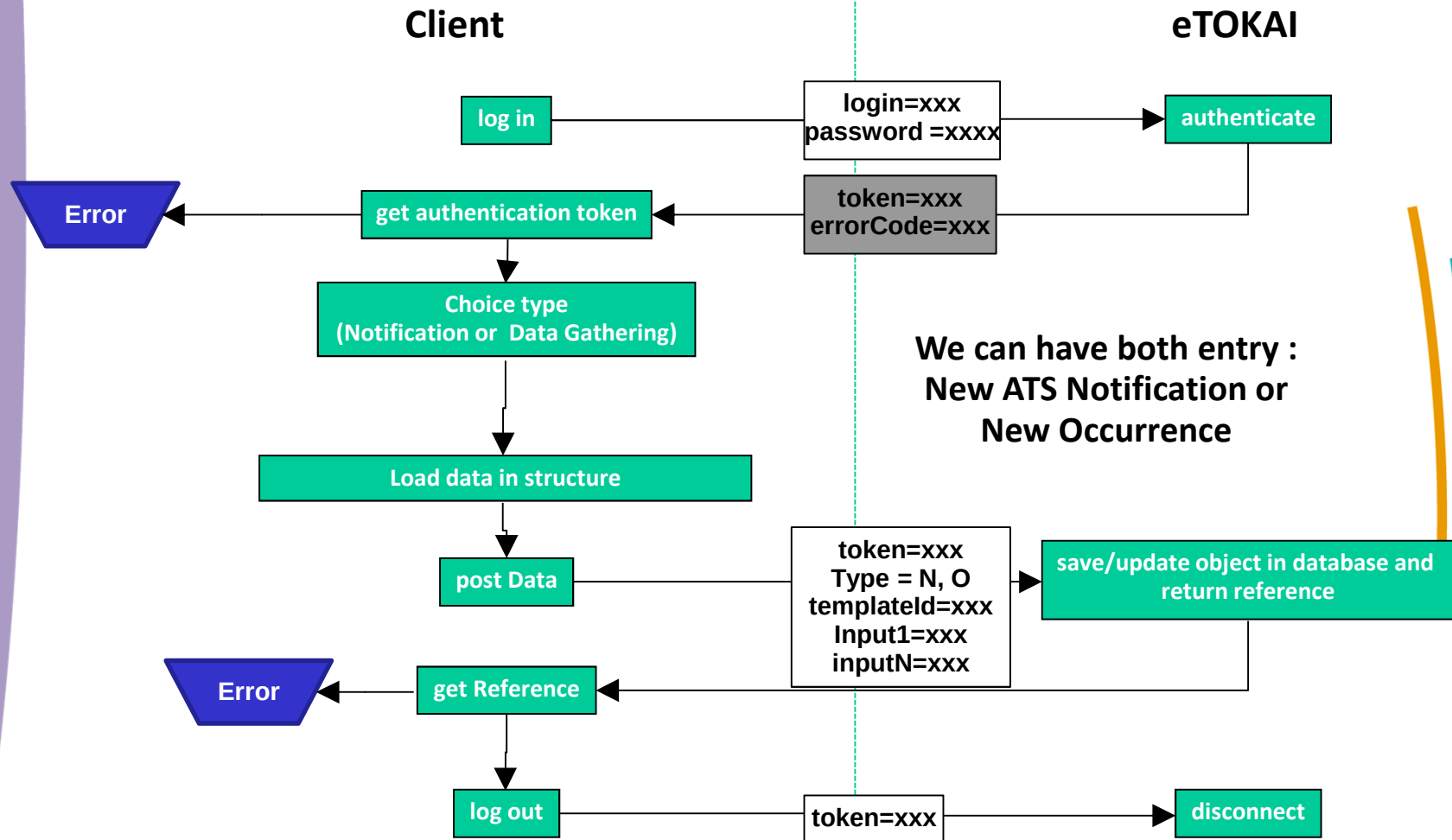
- **To export**

- Export Template (Name, Id)
 - Selection of taxonomy objects
 - Query (Name, Id)

How? Webservice specifications

- **Pre-requisites on the content**
 - **Define the Dimensions to develop the synchro (server / client)**
 - Unit, Organization, Type of occurrence etc.
 - **Define what you need in facts (BI) :**
 - Object must be in the taxonomy! (Accessible by queries)
 - Exemple : RAT
 - Gravity, severity, repeatability -> OK
 - Code combination?

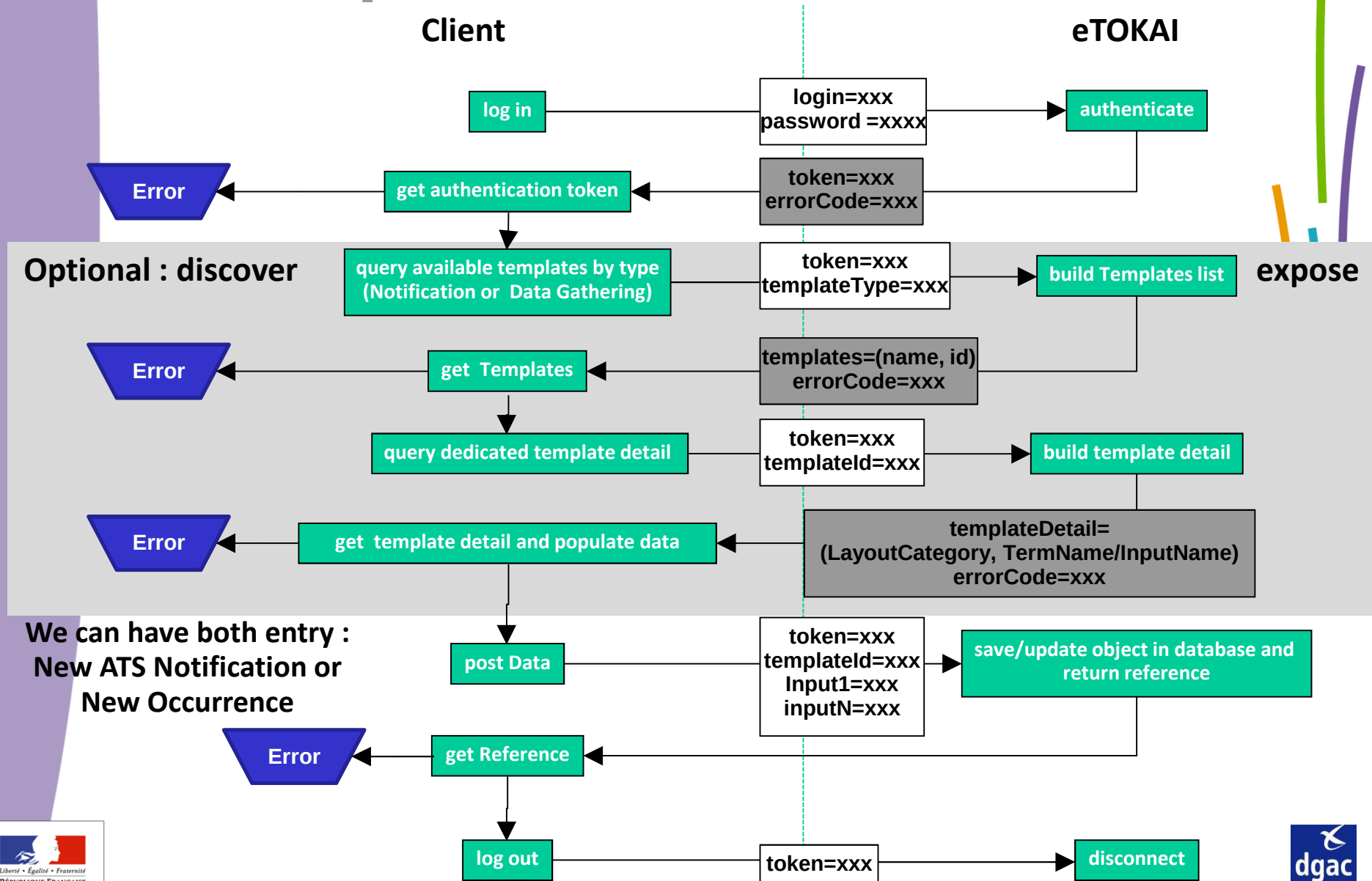
Import data into eTOKAI



Import data

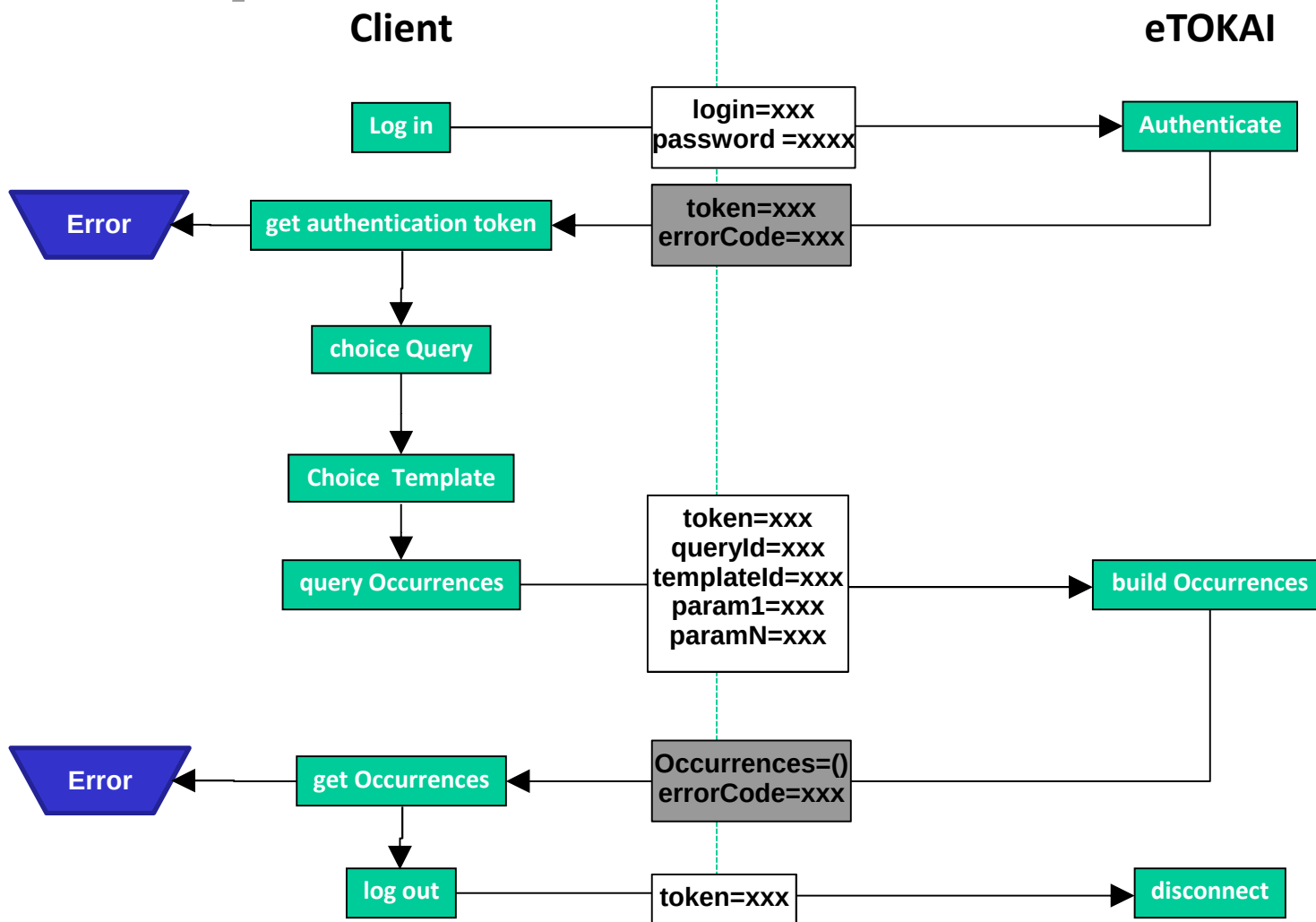
Client

eTOKAI

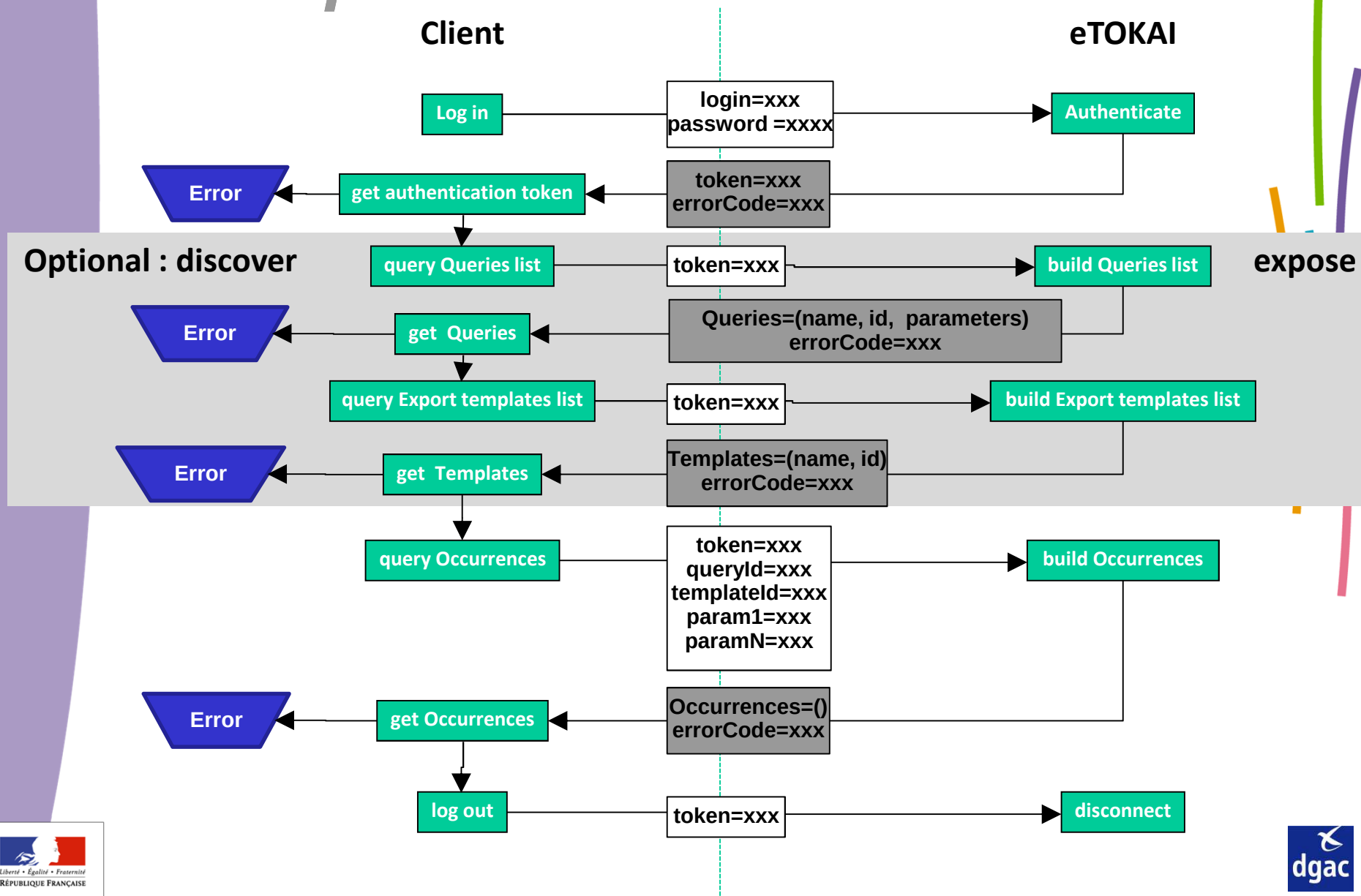


We can have both entry :
New ATS Notification or
New Occurrence

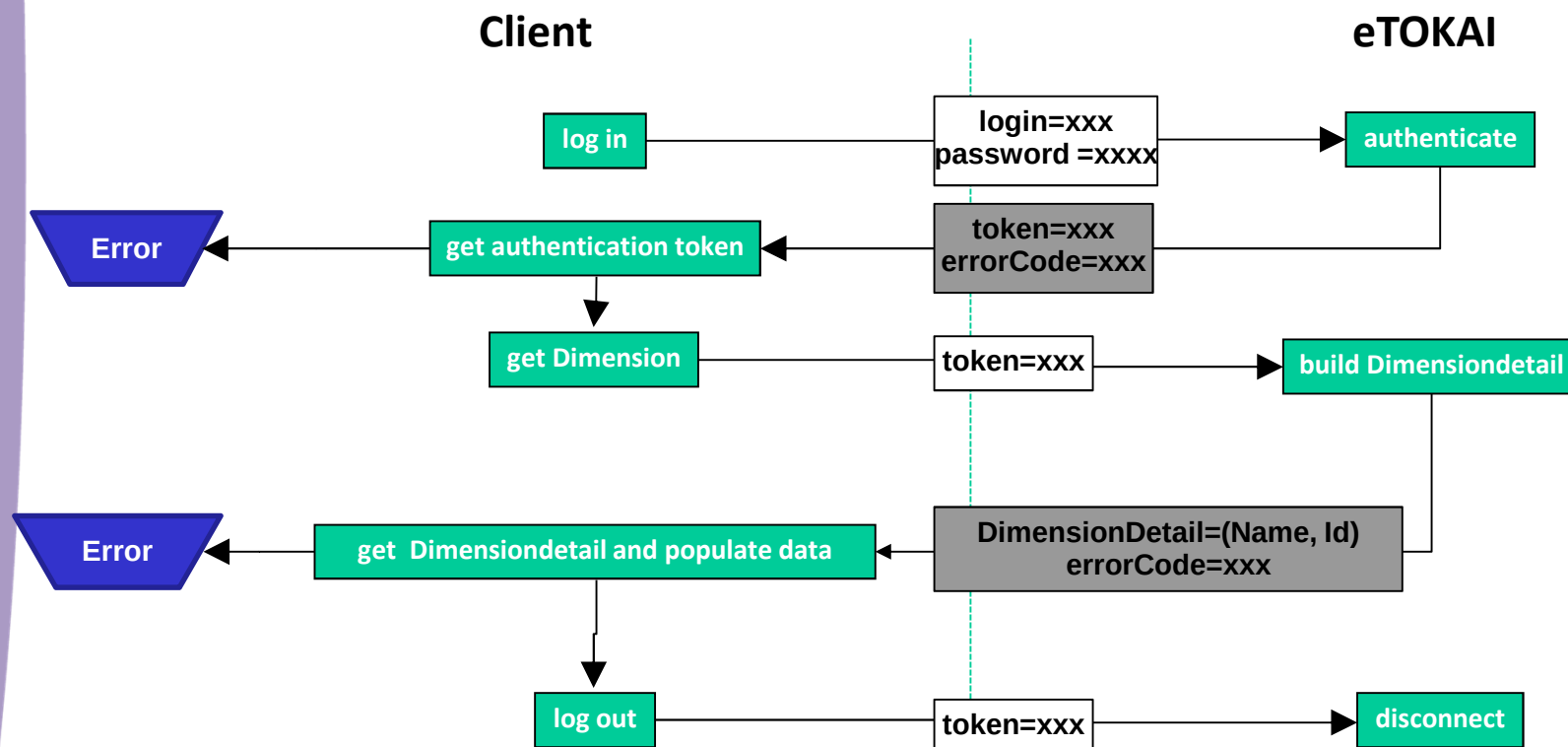
Export data from eTOKAI



Export data



Synchro Dimensions



Dimensions

Type of occurrence
Unit
Organization
User

...

Data for Protocol

Notification Template
Occurrence Template
Queries
Export Templates





***Thank you for
your attention***



Liberté • Égalité • Fraternité
RÉPUBLIQUE FRANÇAISE



Ministère
de l'Écologie, de l'Énergie,
du Développement durable
et de l'Aménagement
du territoire



DSNA