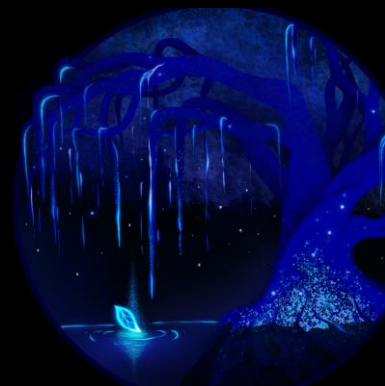




## **Eywa Unilever Data Lake & BI tool Project description**

Consulting, June 2020



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# Client issues

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# Client issues

## Client issues



### **Non-standardized approach to form sales reports**

- Number of unconnected IT-systems
- Number manual reports
- Number of unconnected reporting systems



### **Strong dependency on external data-source**

- Low quality data from external provider
- Number of external data sources providing system data in XLSX files



### **Lack of technical documentation**

- IT-systems are not described in technical documentation
- Large amount of outdated documentation



### **Universal Data Lake / Storage System absence**

- Unilever RUS LLC does not have any special data warehouses, which are consolidating whole data

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# Project description

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# Project description

## What we should do

### Jobs to be done

- Create end to end reporting for Retail Execution, Ice Cream, Key Accounts, Distributors business lines
- Make first steps for creating Sales ecosystem
- Deploy centralized data storage and prepare to connect to external vendors to the Company's system

**Russia, Belarus - 2020**

**Ukraine - 2021**

### Project participants

#### Client side

##### Sales

- Defining a strategy based on data, indicators, and creating a concept for storing and visualizing data

##### IT

- Coordinating the approach with the global teams
- Technical expertise and provision of Azure infrastructure

##### Shopper Marketing

- Content of reporting advisory

#### Deloitte side

##### Deloitte team

- Implementation, technology expertise
- Creation of a scalable solution for subsequent integration to global Data Lake

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# Project description

## Project timeline

### **February-March**

Getting an Azure subscription, interviewing experts, and CD Excellence team

### **April-May**

Creating Azure storage, integration with systems, incremental data transfer

### **June-July**

Building visualization

### **August**

Hypercare

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# Goals

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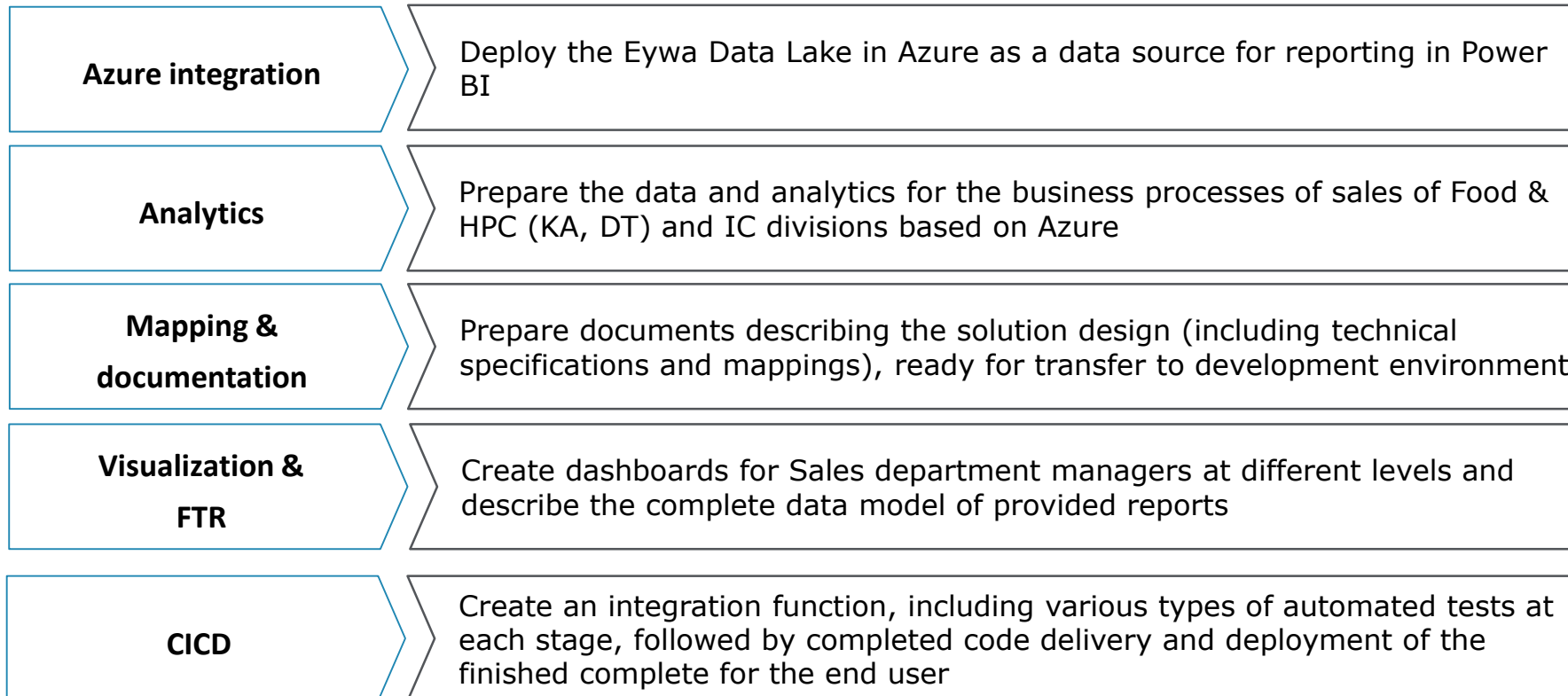
Cases learned



# Goals

## Project goals description

The project goal is to provide structured information based on cloud solutions to sales management and field employees of the Unilever sales Department. The data contains current and historical values of key performance indicators of sales business processes which must be visualized in PowerBI.



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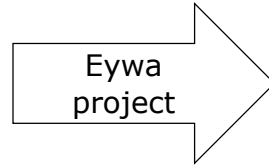
**Our approach**

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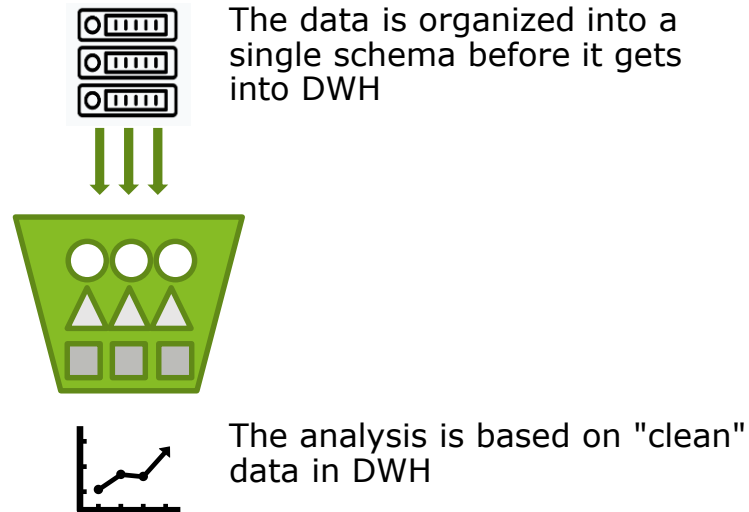
## Common approach description

**Data Warehouse** is an information Database that is processed and stored in a hardware and software complex that provides access to information and multidimensional data analysis.

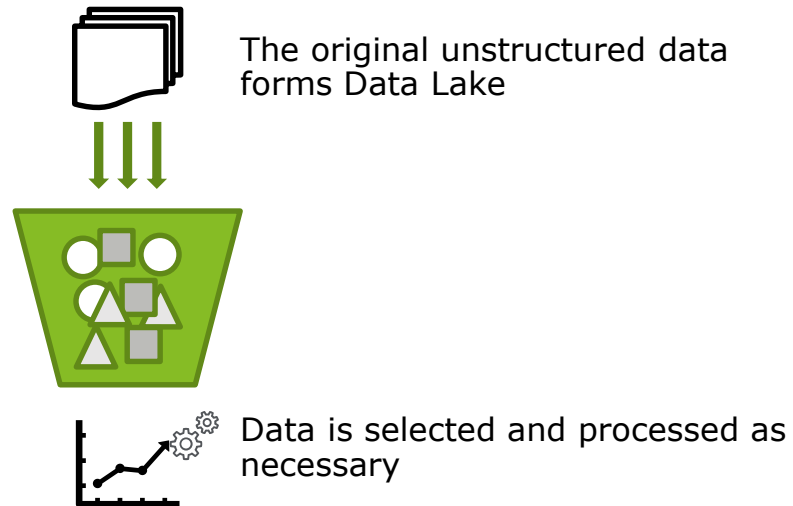


**Data Lake** is a cloud computing model that provides cloud data storage and data storage and management is provided as a service.

**2019**



**2020**



- Does not require to buy physical hardware
- Pay to go model-you pay exactly for what you use, and you scale the solution faster and cheaper
- Execution of complex analytical queries using massive parallel processing
- Ability to use machine learning to support strategic decisions using large Big Data

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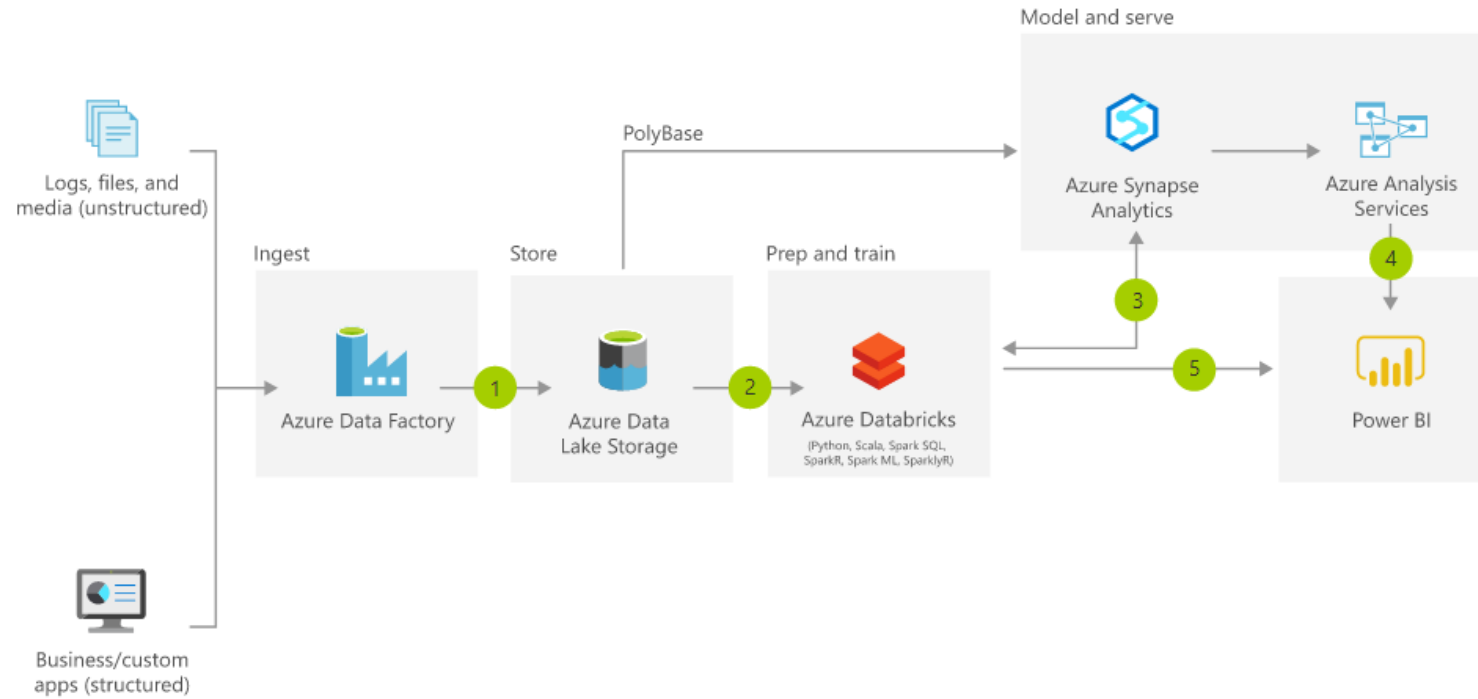
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# Our approach

## Selected Azure architecture



- **Azure Synapse Analytics** is a fast, flexible, and reliable data warehouse that allows you to scale computing and storage resources independently, based on a massively parallel computing architecture
- **Azure Data Factory** is a hybrid data integration service that allows you to create, plan, and organize ETL/ELT workflows
- **Azure large binary object storage** is a convenient and cost-effective massively scalable object storage for any type of unstructured data
- **Azure Databricks** is a fast and convenient Analytics platform based on Apache Spark
- **Azure Analysis Services** is an enterprise-level Analytics service that allows you to confidently manage, deploy, test, and deliver BI solutions
- **Power BI** is a set of business intelligence tools that provide a complete view of your entire organization

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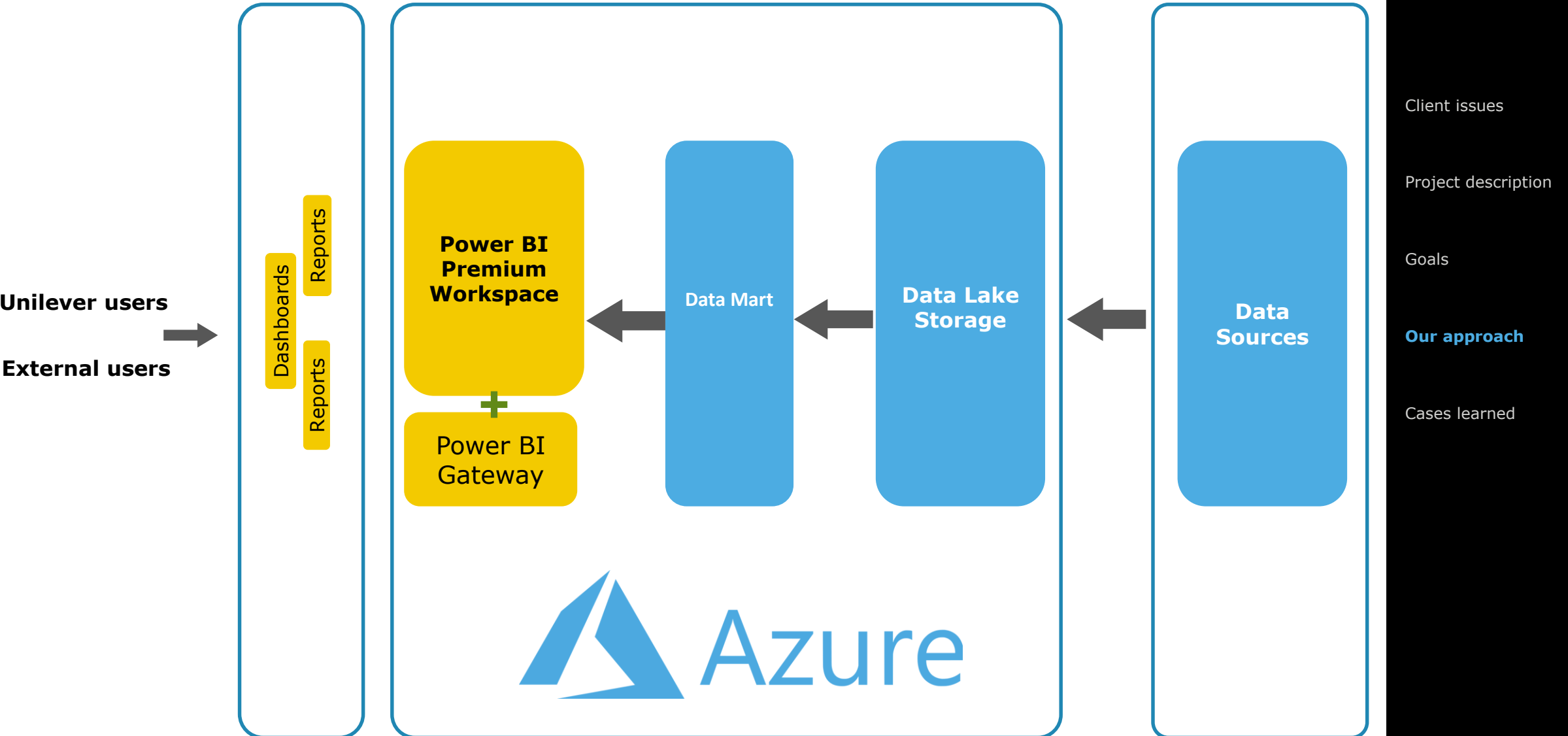
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# Our approach

## Eywa business architecture



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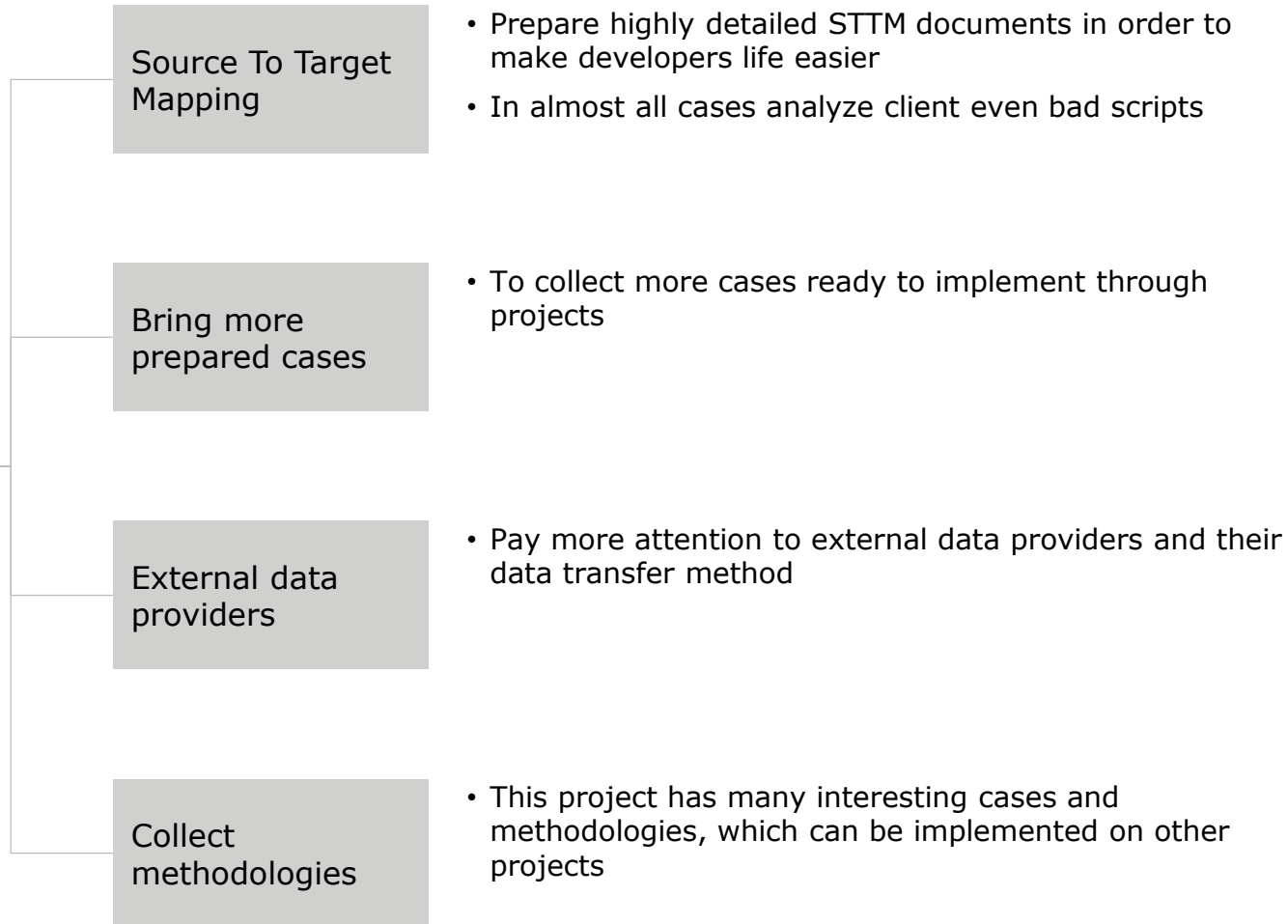
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**Cases learned**

# Cases learned

## Important mistakes

### Eywa takeaways



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