

DATA INTEGRATION JIRA

Presented by:
ALAYACHI Rania

OVERVIEW

01

Project Context

02

Architecture

03

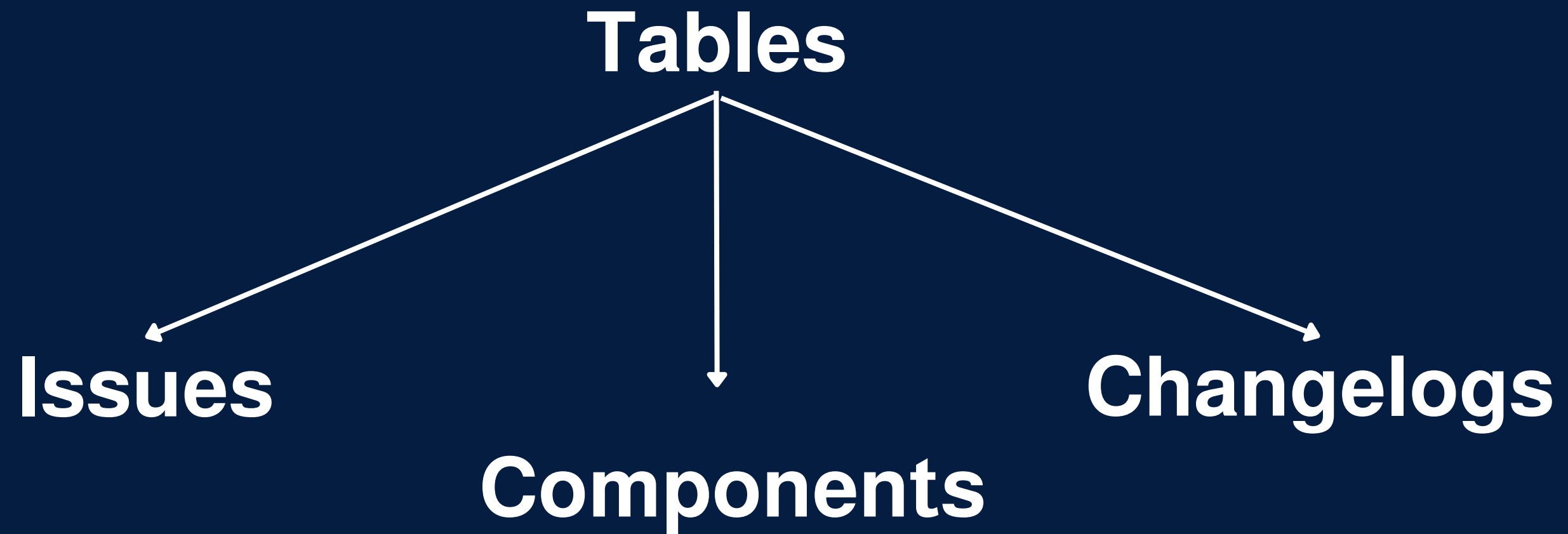
Implementation

04

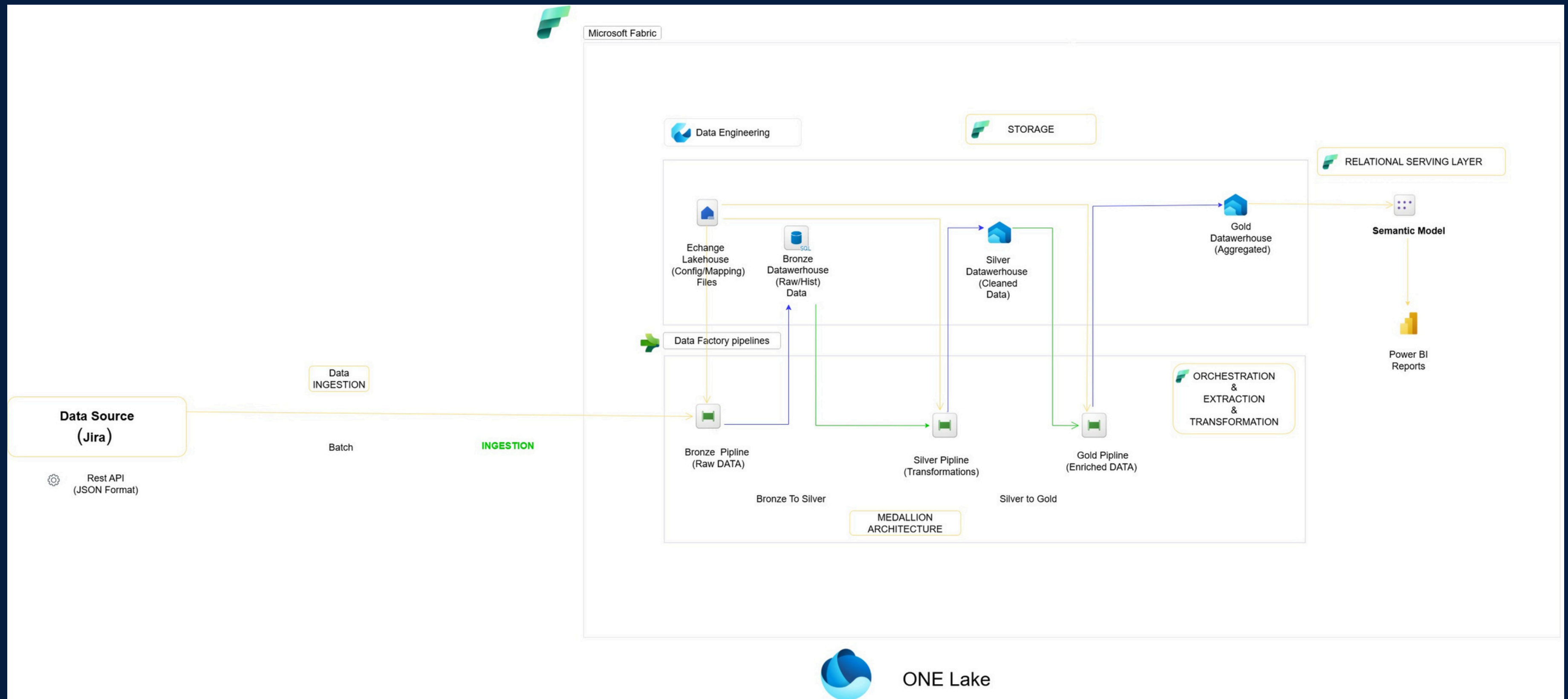
**Challenges and
Improvements**

01

PROJECT CONTEXT



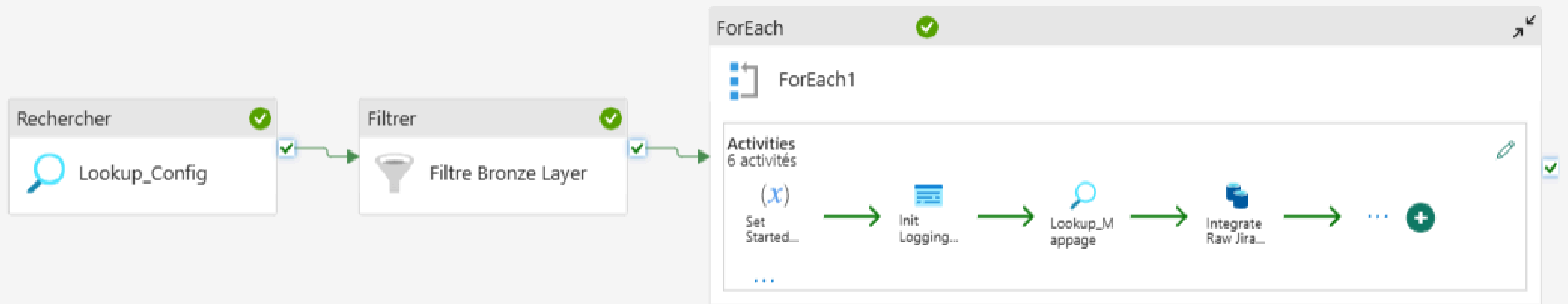
02 ARCHITECTURE



03 IMPLEMENTATION

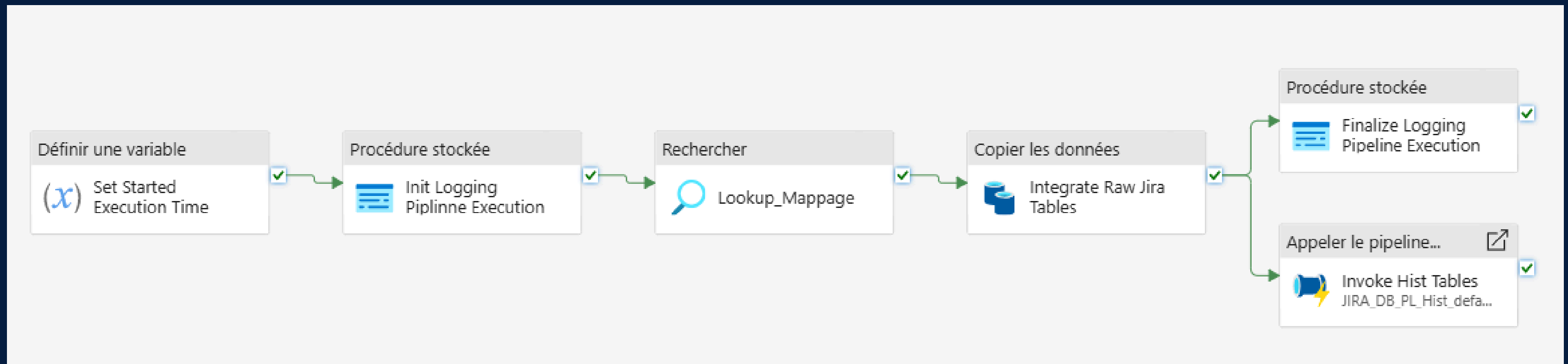
JIRA-Data_Integration_Dev									
Créer un pipeline de déploiement Créer une application Gérer l'accès Paramètres d'espace de travail									
+ Nouvel élément Nouveau dossier Importer Migrer Filtre par mot clé Filtre									
	Nom	Type	Tâche	Projet	Actualisé	Prochaine actualisation	Approbatic	Confidentiali	Inclus dans l'applicatio
Exchange	Exchange	Lakehouse	—	—	—	—	—	—	—
	Exchange	Modèle s...	—	—	16/07/2025...	Non applic...	—	—	—
	Exchange	Point de t...	—	—	—	—	—	—	—
JIRA_DB_BD_Dev_Bronze	JIRA_DB_BD_Dev_Bronze	SQL data...	—	—	—	—	—	—	—
	JIRA_DB_BD_Dev_Bronze	Modèle s...	—	—	16/07/2025...	Non applic...	—	—	—
	JIRA_DB_BD_Dev_Bronze	Point de t...	—	—	—	—	—	—	—
JIRA_DB_PL_Hist_default	JIRA_DB_PL_Hist_default	Data pipe...	—	—	—	—	—	—	—
JIRA_DB_PL_Run	JIRA_DB_PL_Run	Data pipe...	—	—	—	—	—	—	—
JIRA_DG_PL_Run	JIRA_DG_PL_Run	Data pipe...	—	—	—	—	—	—	—
JIRA_DG_WH_Dev_Gold	JIRA_DG_WH_Dev_Gold	Warehouse	—	—	—	—	—	—	—
	JIRA_DG_WH_Dev_Gold	Modèle s...	—	—	18/07/2025...	Non applic...	—	—	—
JIRA_DS_PL_Run	JIRA_DS_PL_Run	Data pipe...	—	—	—	—	—	—	—
JIRA_DS_WH_Dev_Silver	JIRA_DS_WH_Dev_Silver	Warehouse	—	—	—	—	—	—	—
	JIRA_DS_WH_Dev_Silver	Modèle s...	—	JIRA-Data...	17/07/2025...	Non applic...	—	—	—

Bronze Layer



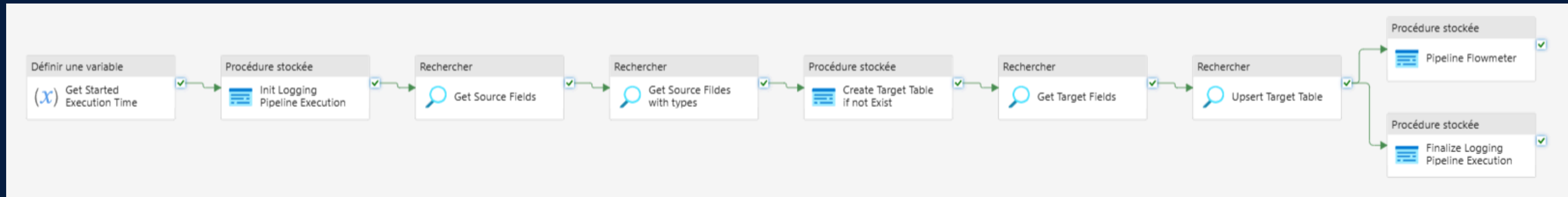
Initial Pipeline

Bronze Layer



Foreach Activities

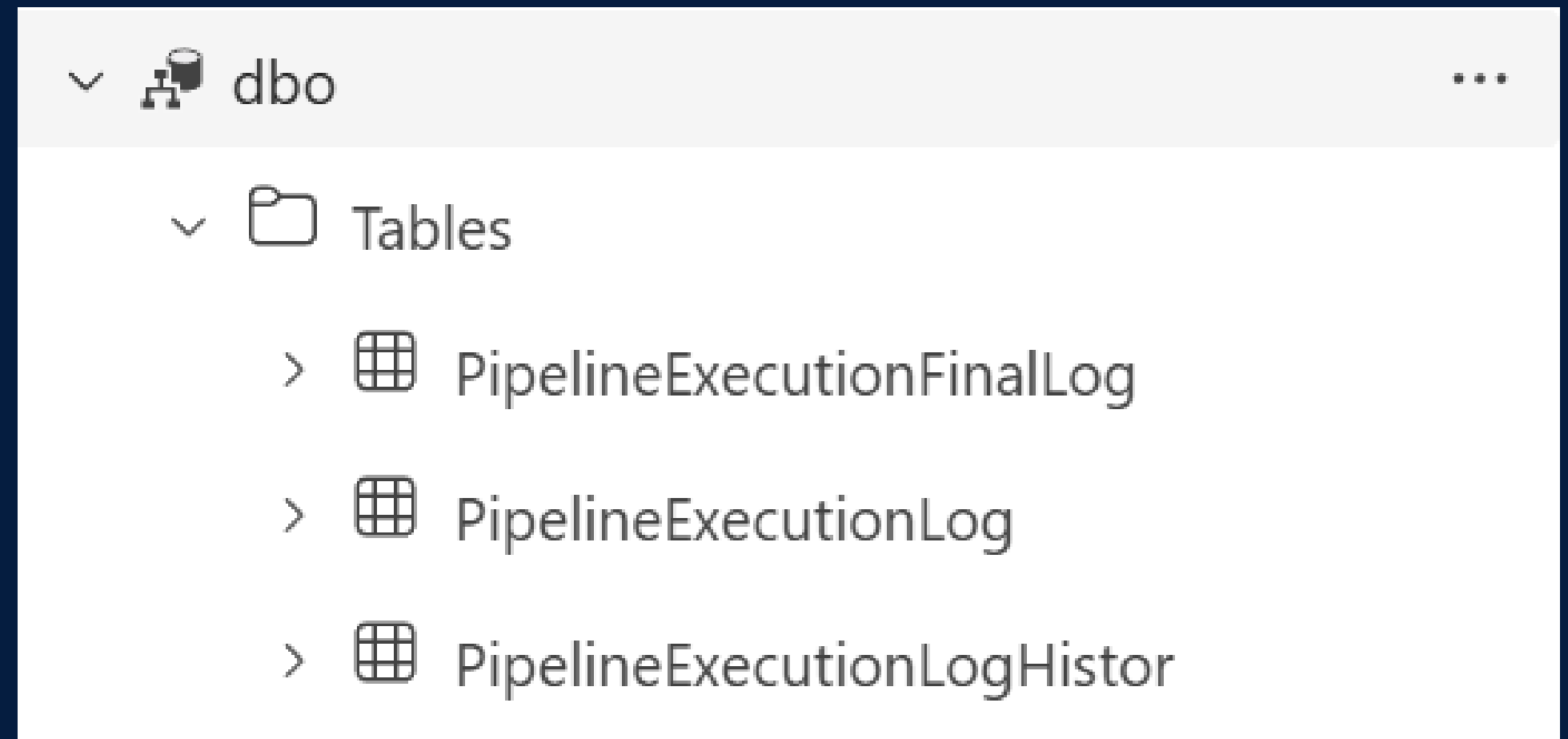
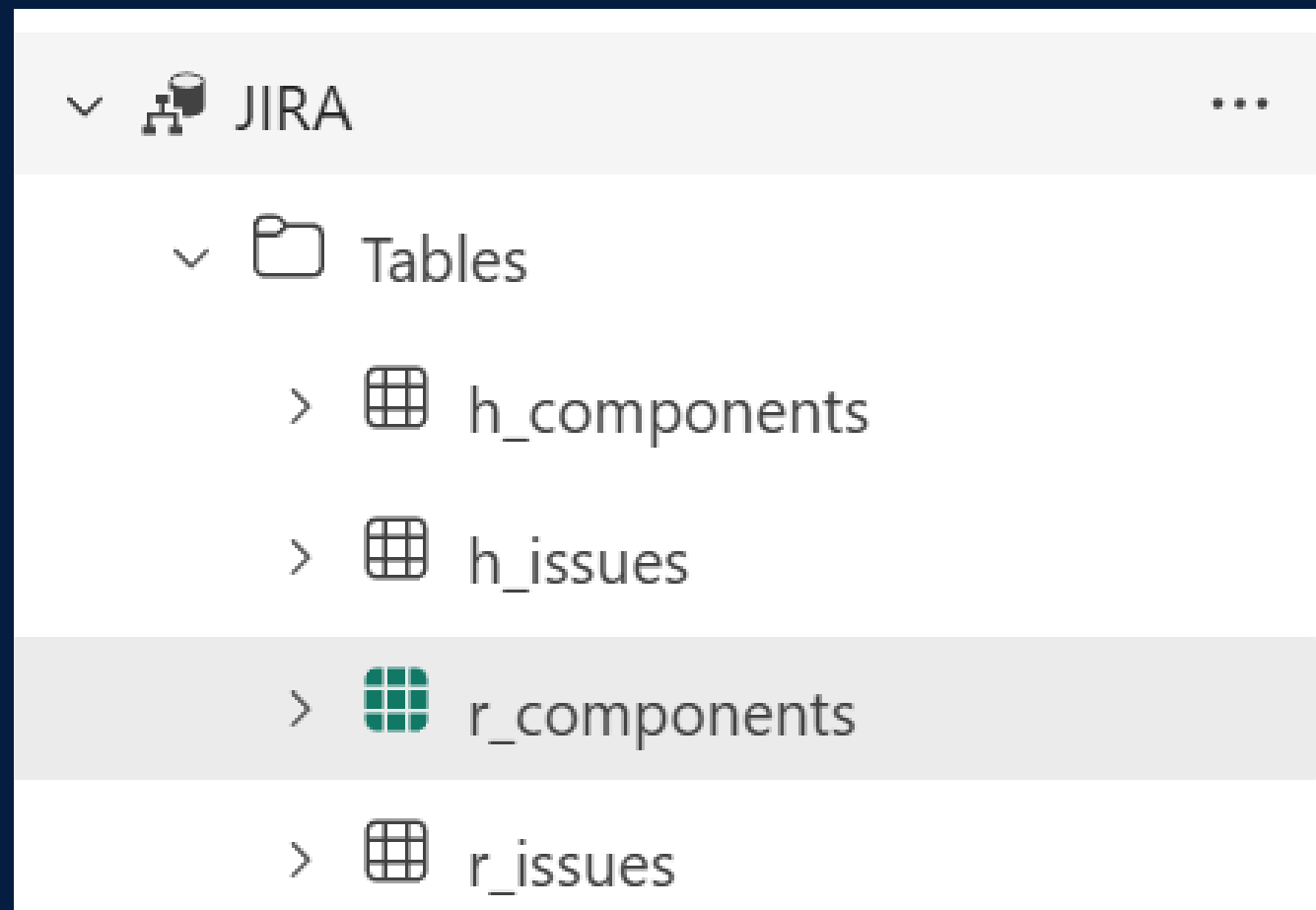
Bronze Layer



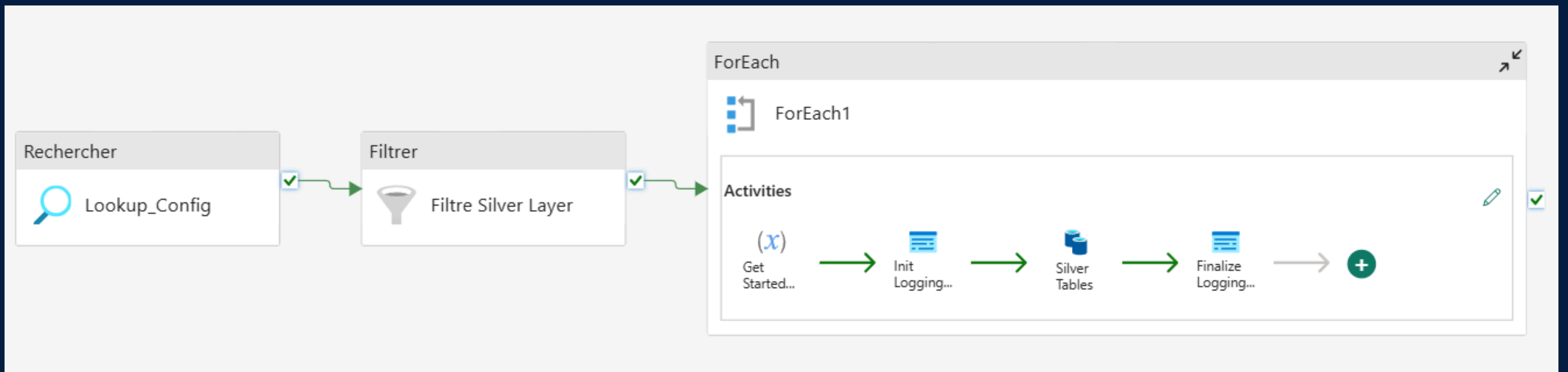
Invoke Hist Tables

Bronze Layer

The Database

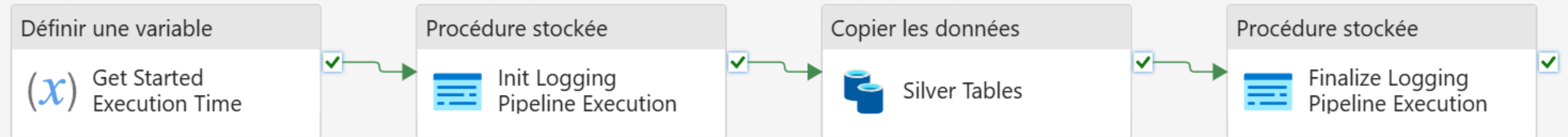


Silver Layer



Initial Pipeline

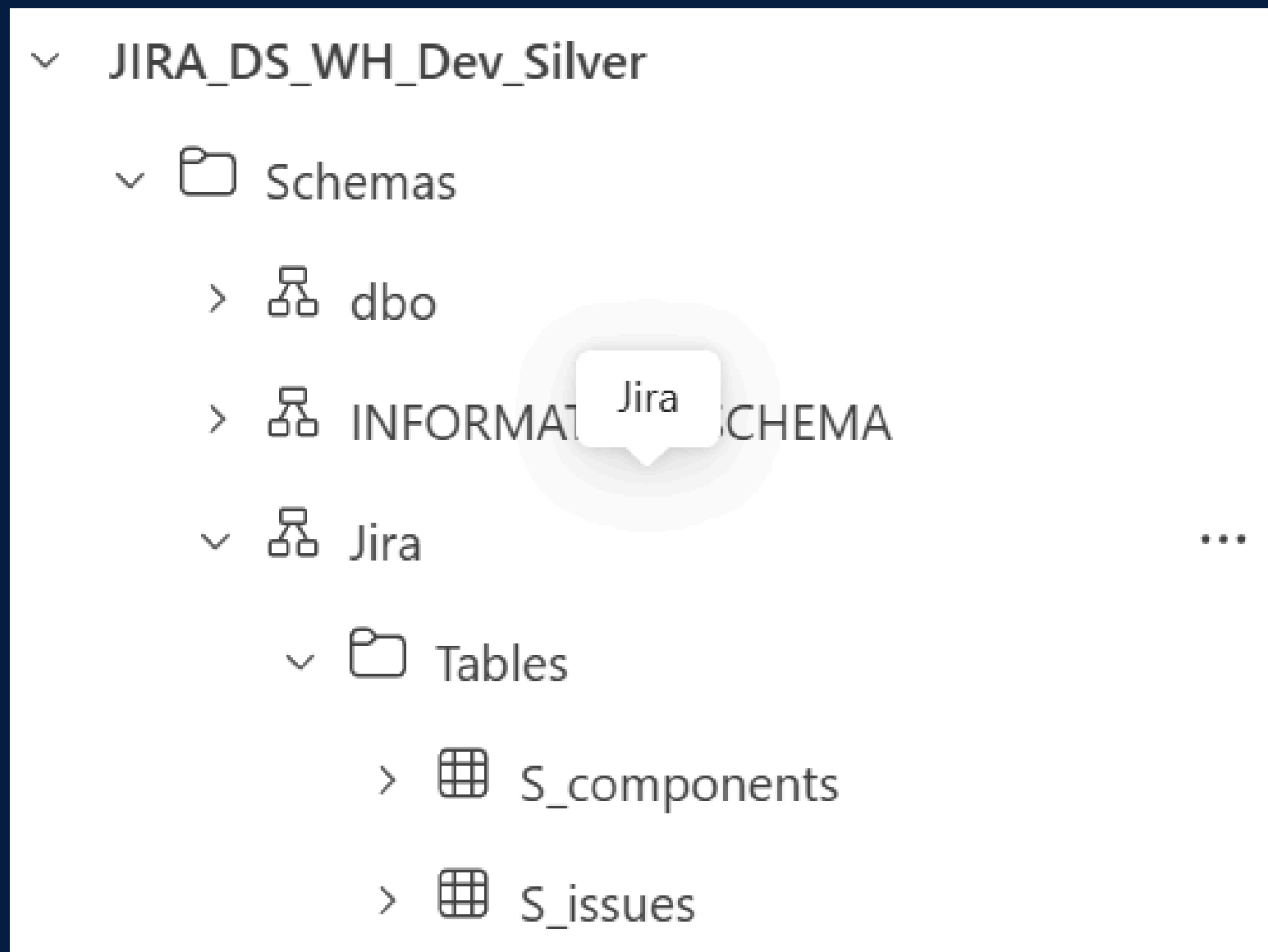
Silver Layer



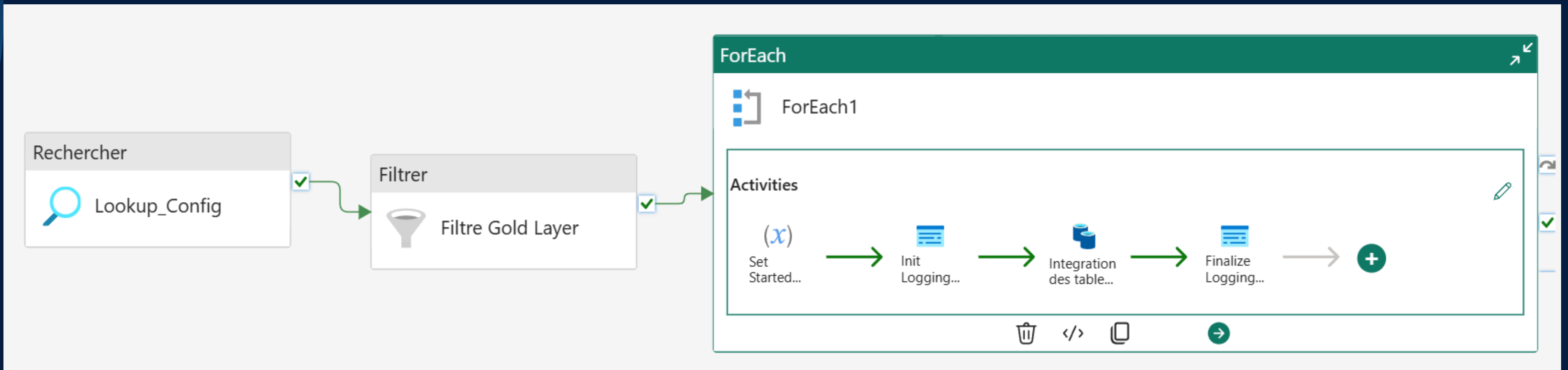
Foreach Activities

Silver Layer

Data Warehouse

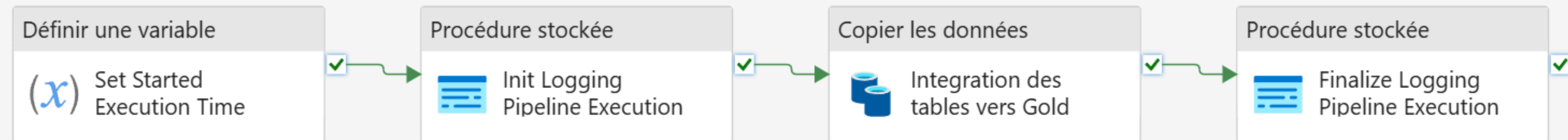


Gold Layer



Initial Pipeline

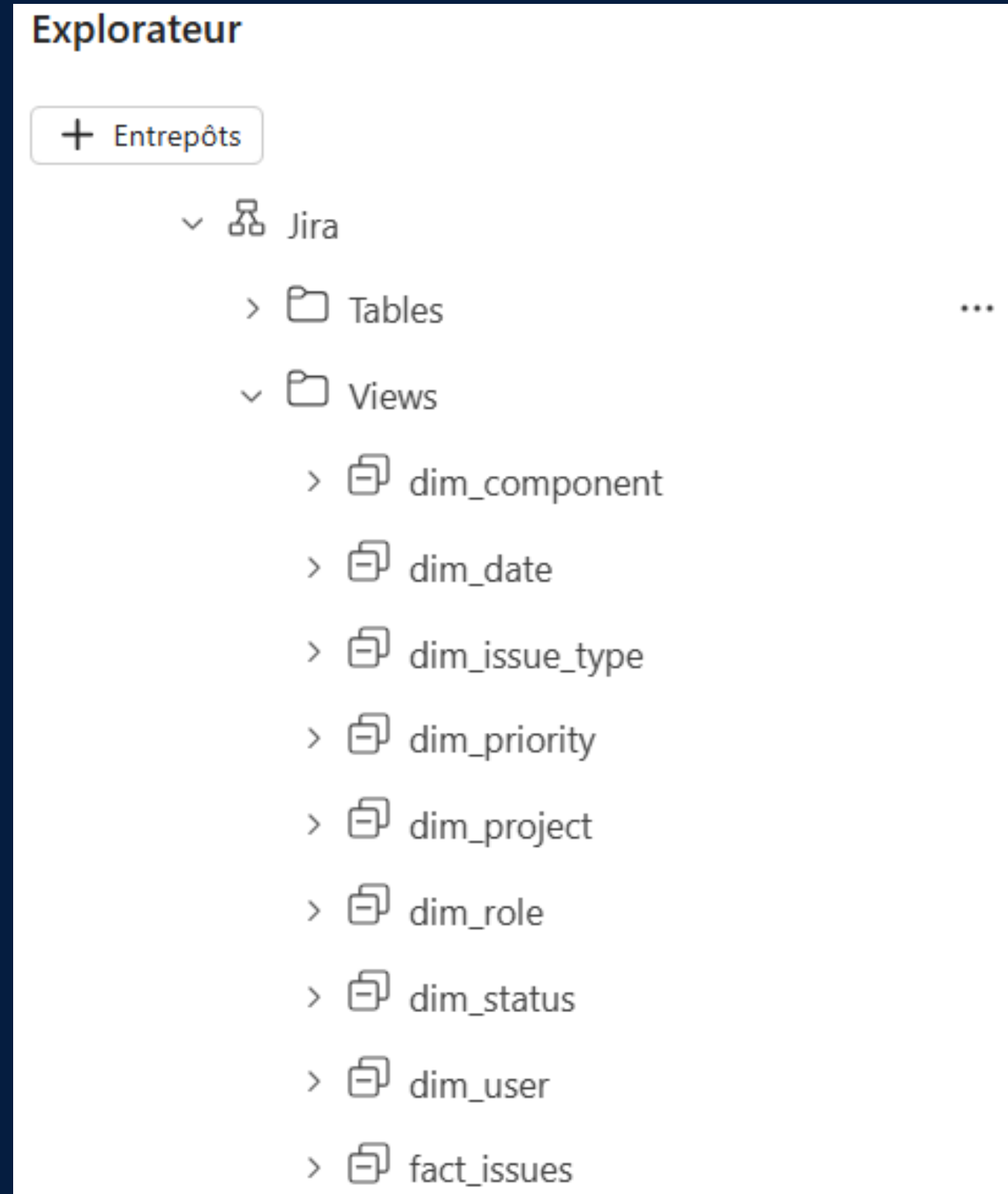
Gold Layer



Foreach Activities

Gold Layer

Data Warehouse



04 CHALLENGES AND IMPROVEMENTS

- Creation of dynamic mappings for the tables.
- Management of different endpoints according to Jira tables.
- Pagination issues with the Jira API.
- Extraction and structuring of the changelogs table.
- Automated changelogs extraction
- Automatic pipeline restart
- AES security for sensitive data