

DATA INTEGRATION JIRA

Presented by:
ALAYACHI Rania

OVERVIEW

01

Project Context

02

Architecture

03

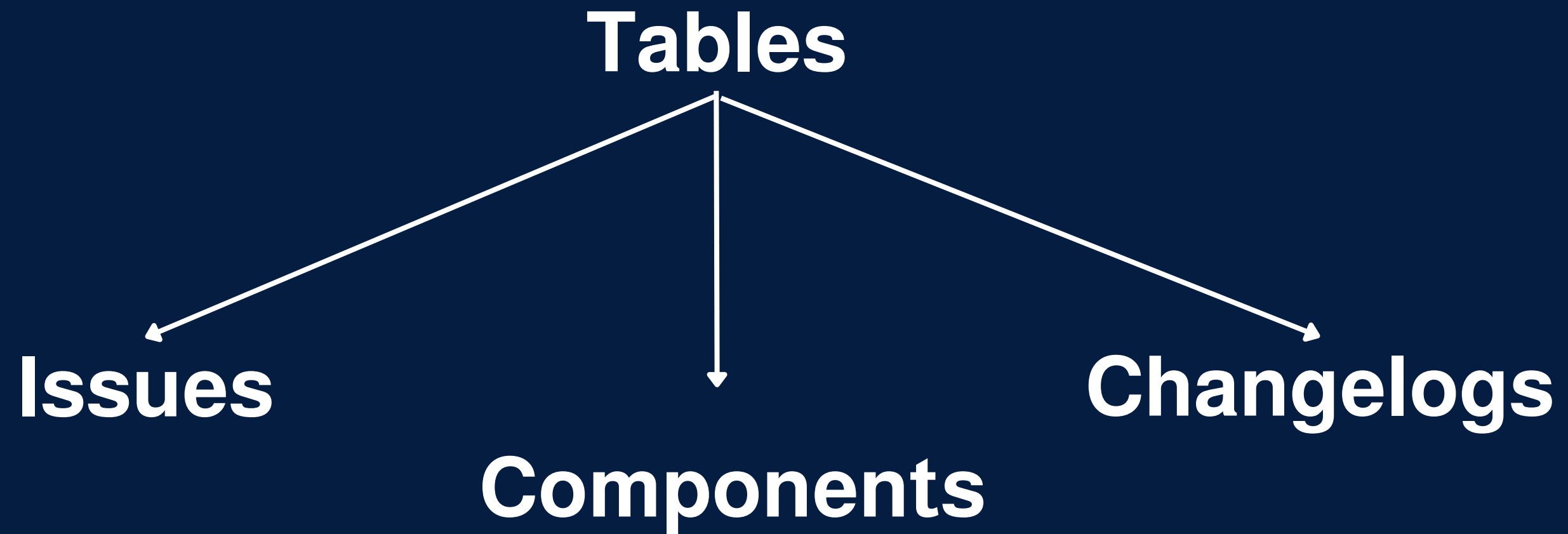
Implementation

04

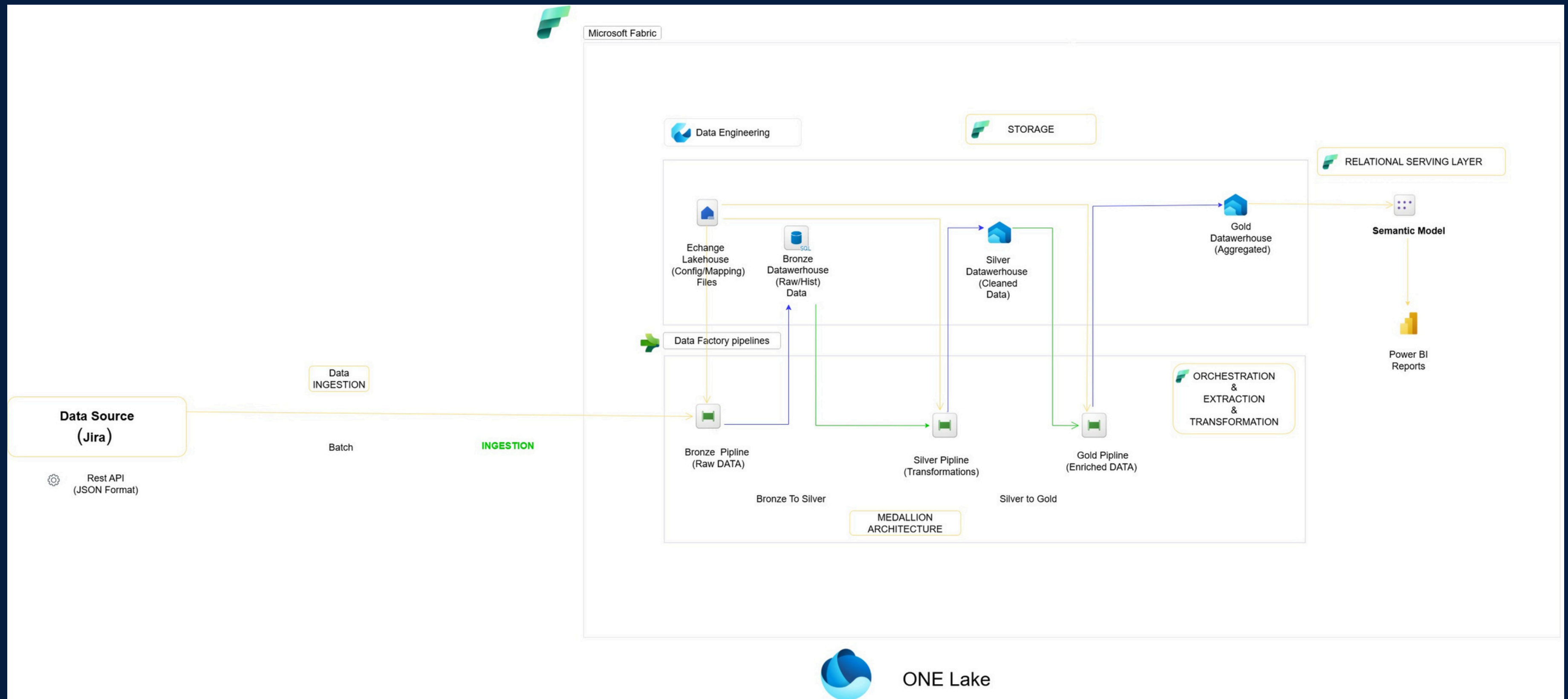
**Challenges and
Improvements**

01

PROJECT CONTEXT



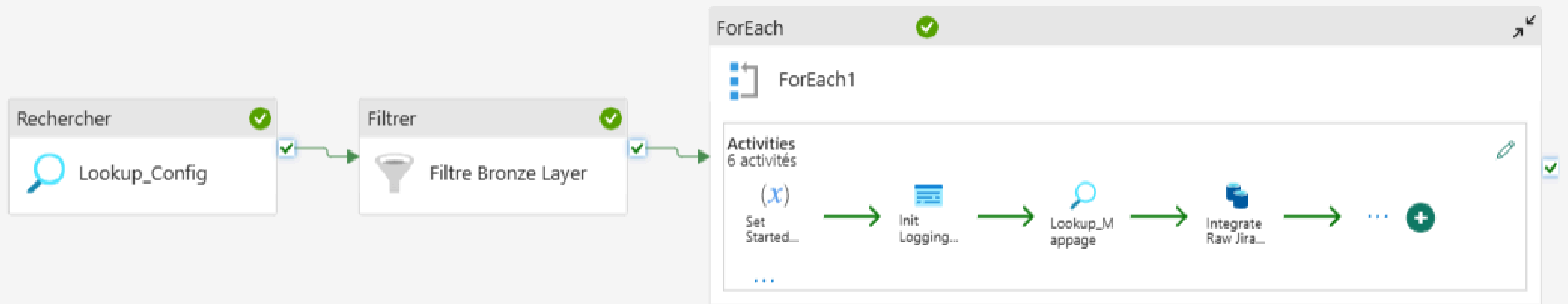
02 ARCHITECTURE



03 IMPLEMENTATION

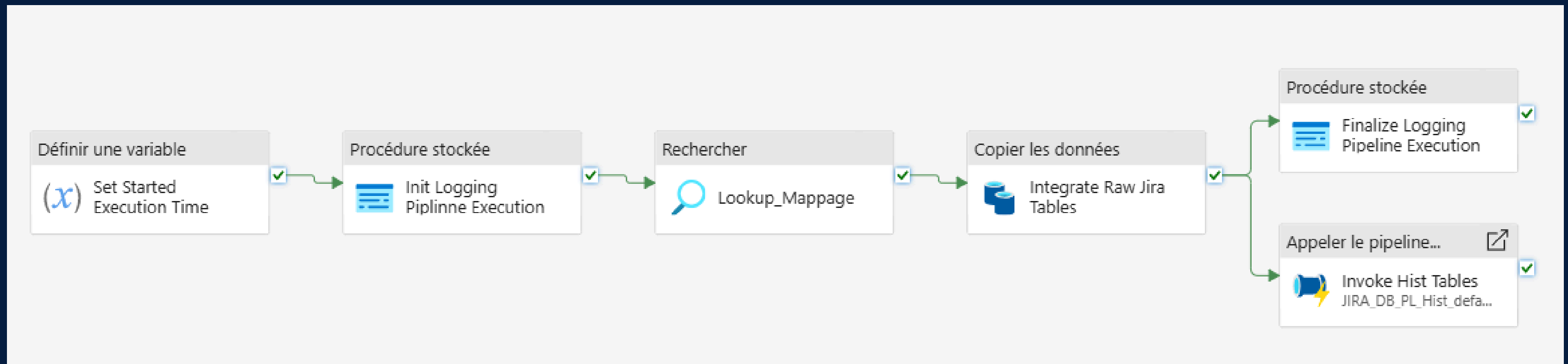
JIRA-Data_Integration_Dev									
<div>Créer un pipeline de déploiementCréer une applicationGérer l'accèsParamètres d'espace de travail</div>									
<div>Nouvel élémentNouveau dossierImporterMigrer</div>									
Filtrer par mot cléFiltrer									
	Nom	Type	Tâche	Propriétaire	Actualisé	Prochaine actualisation	Approbatic	Confidentiali	Inclus dans l'applicatio
	Exchange	Lakehouse	—	Wissal Na...	—	—	—	—	
	Exchange	Modèle s...	—	JIRA-Data...	16/07/2025...	Non applic...	—	—	
	Exchange	Point de t...	—	Wissal Na...	—	—	—	—	
	JIRA_DB_BD_Dev_Bronze	SQL data...	—	Wissal Na...	—	—	—	—	
	JIRA_DB_BD_Dev_Bronze	Modèle s...	—	JIRA-Data...	16/07/2025...	Non applic...	—	—	
	JIRA_DB_BD_Dev_Bronze	Point de t...	—	Wissal Na...	—	—	—	—	
	JIRA_DB_PL_Hist_default	Data pipe...	—	Wissal Na...	—	—	—	—	
	JIRA_DB_PL_Run	Data pipe...	—	Wissal Na...	—	—	—	—	
	JIRA_DG_PL_Run	Data pipe...	—	Wissal Na...	—	—	—	—	
	JIRA_DG_WH_Dev_Gold	Warehouse	—	Wissal Na...	—	—	—	—	
	JIRA_DG_WH_Dev_Gold	Modèle s...	—	JIRA-Data...	18/07/2025...	Non applic...	—	—	
	JIRA_DS_PL_Run	Data pipe...	—	Wissal Na...	—	—	—	—	
	JIRA_DS_WH_Dev_Silver	Warehouse	—	Wissal Na...	—	—	—	—	
	JIRA_DS_WH_Dev_Silver	Modèle s...	—	JIRA-Data...	17/07/2025...	Non applic...	—	—	

Bronze Layer



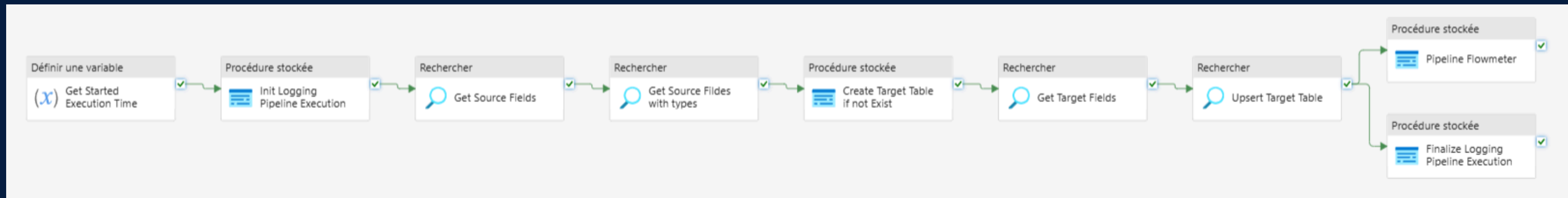
Initial Pipeline

Bronze Layer



Foreach Activities

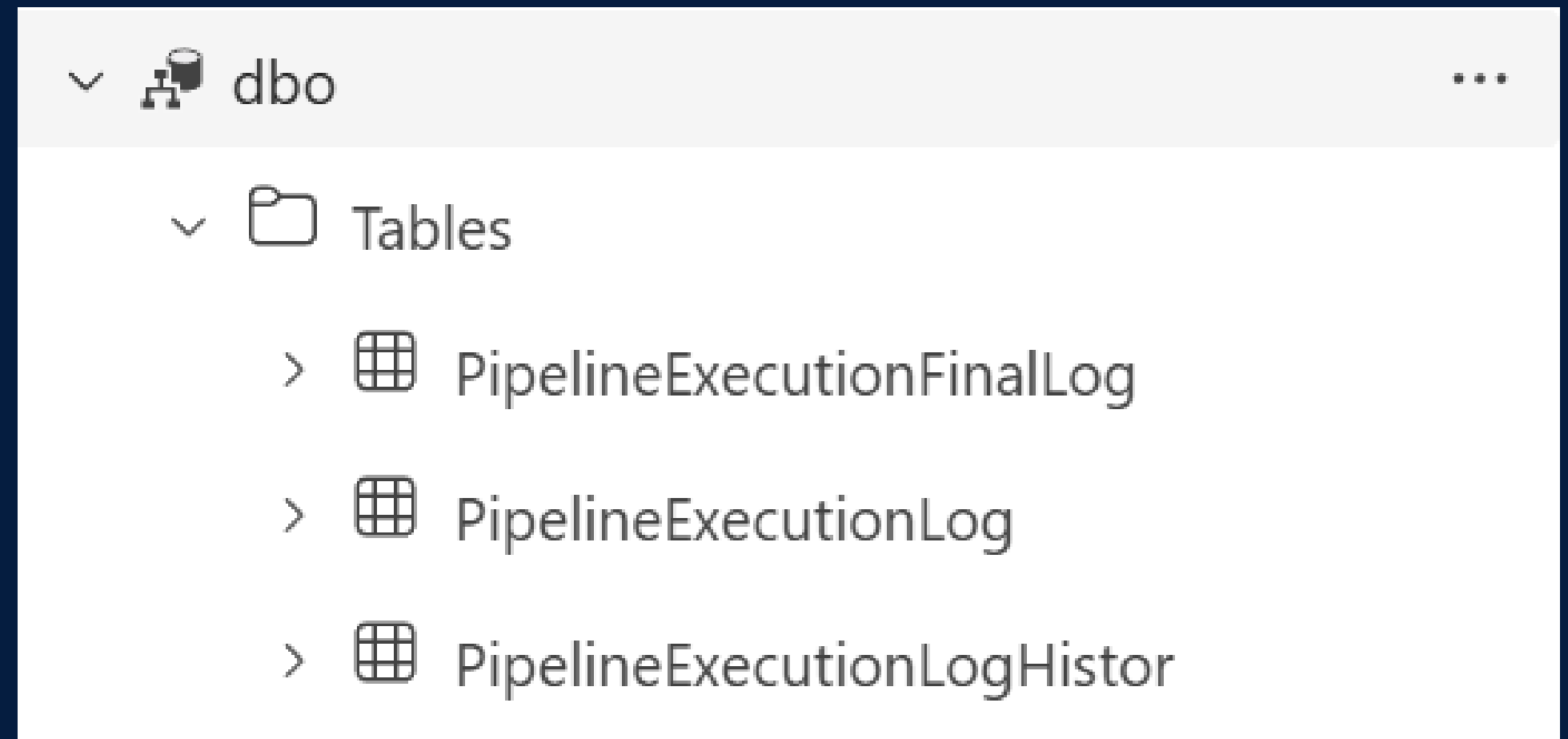
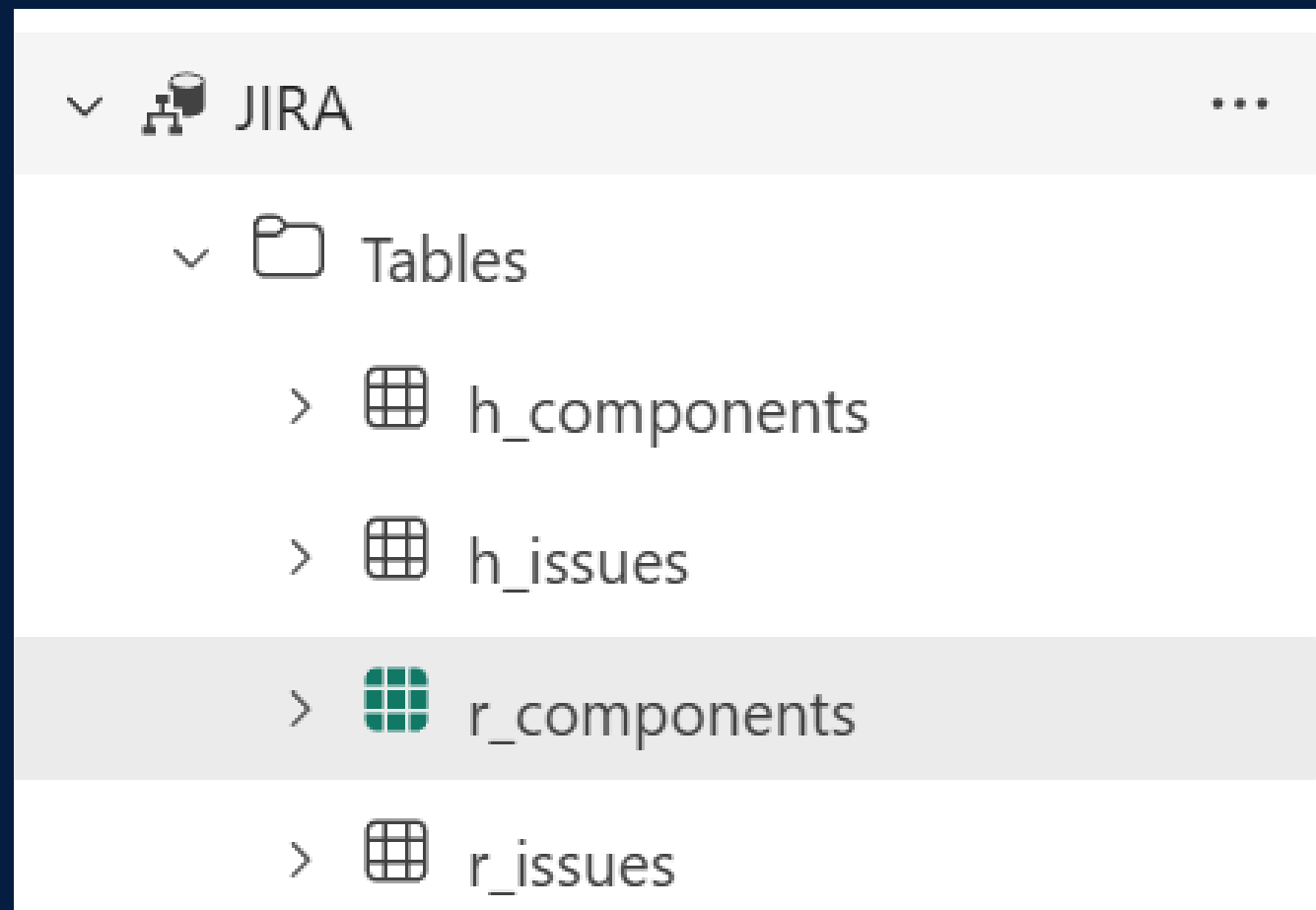
Bronze Layer



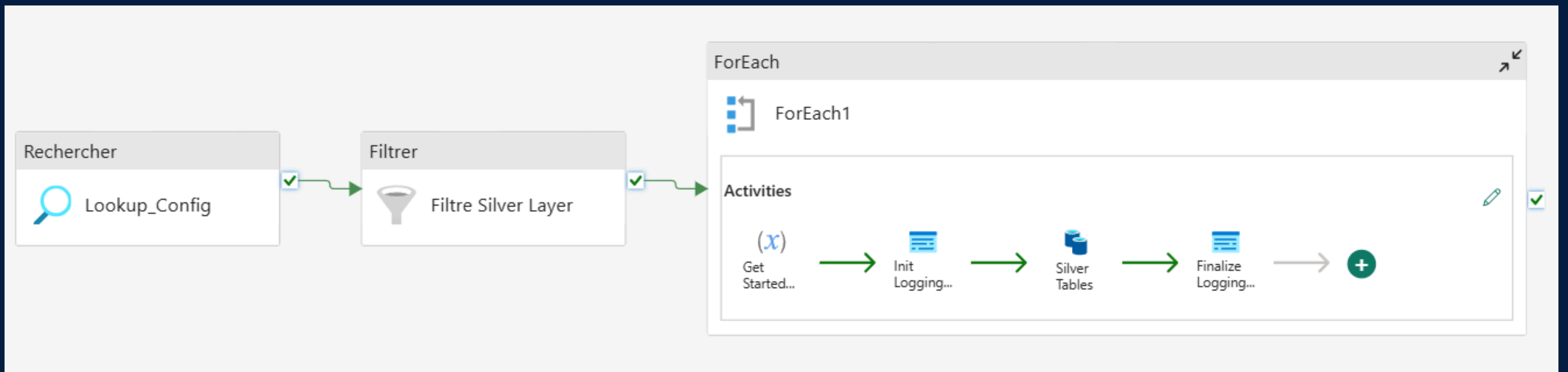
Invoke Hist Tables

Bronze Layer

The Database

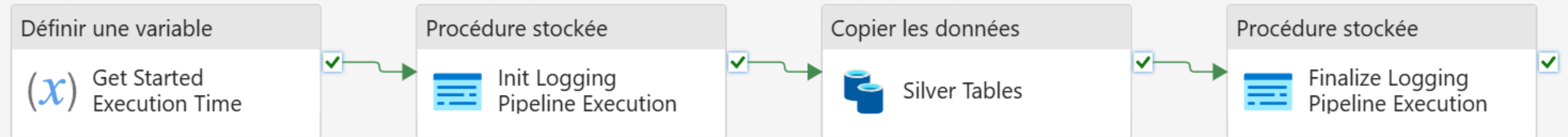


Silver Layer



Initial Pipeline

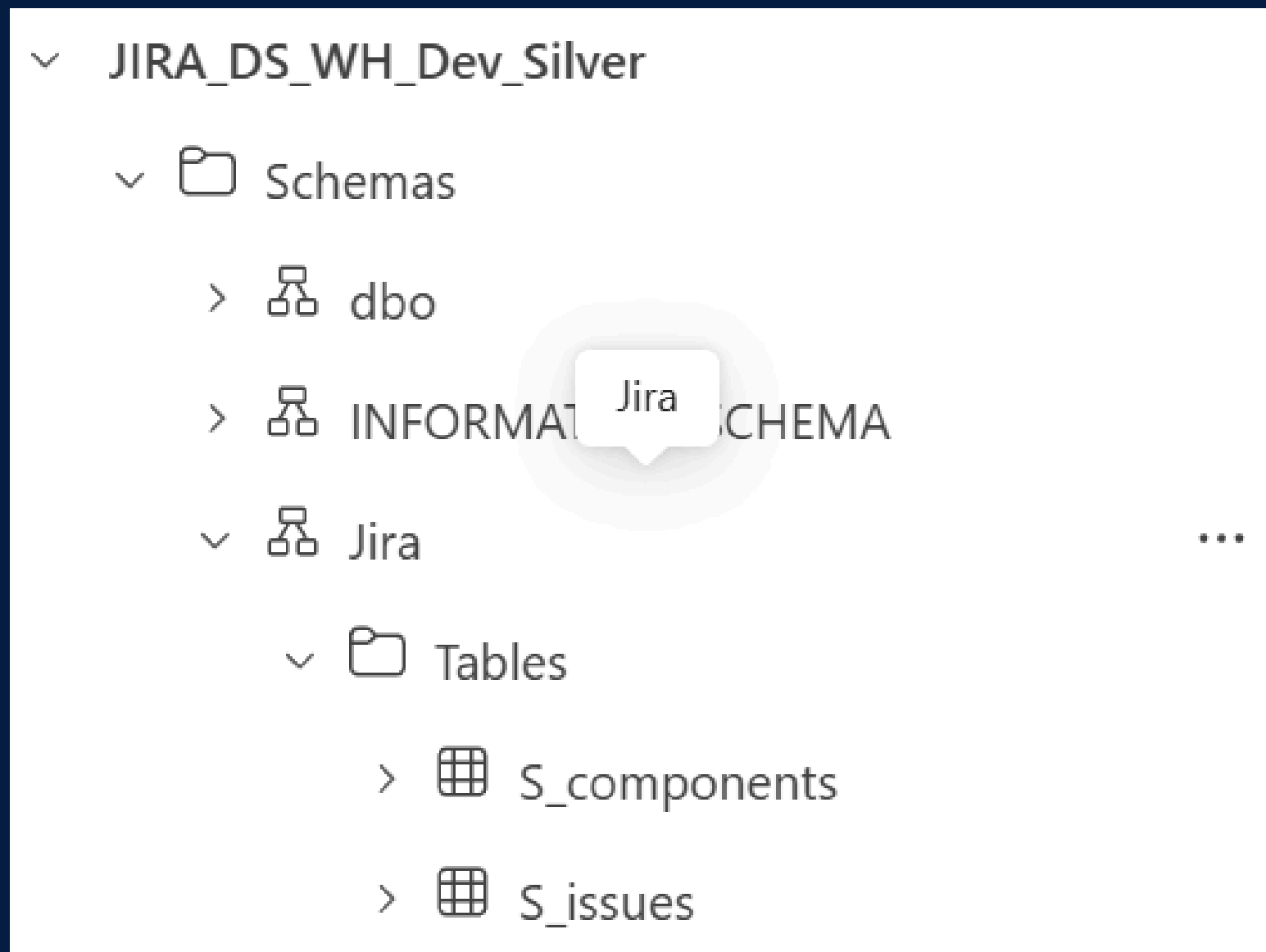
Silver Layer



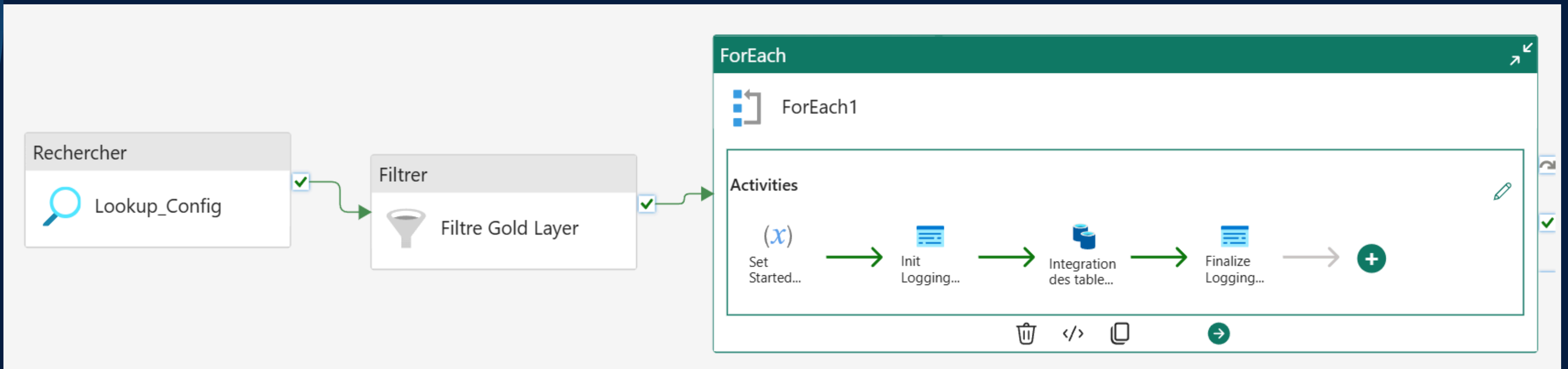
Foreach Activities

Silver Layer

Data Warehouse

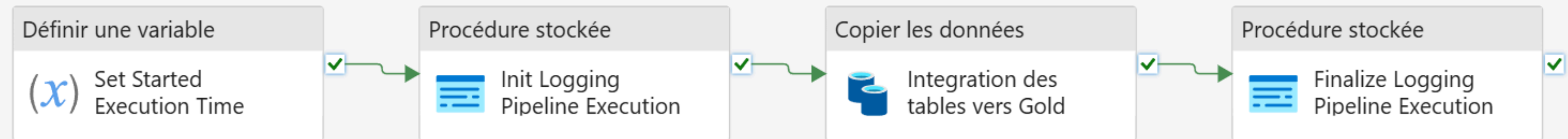


Gold Layer



Initial Pipeline

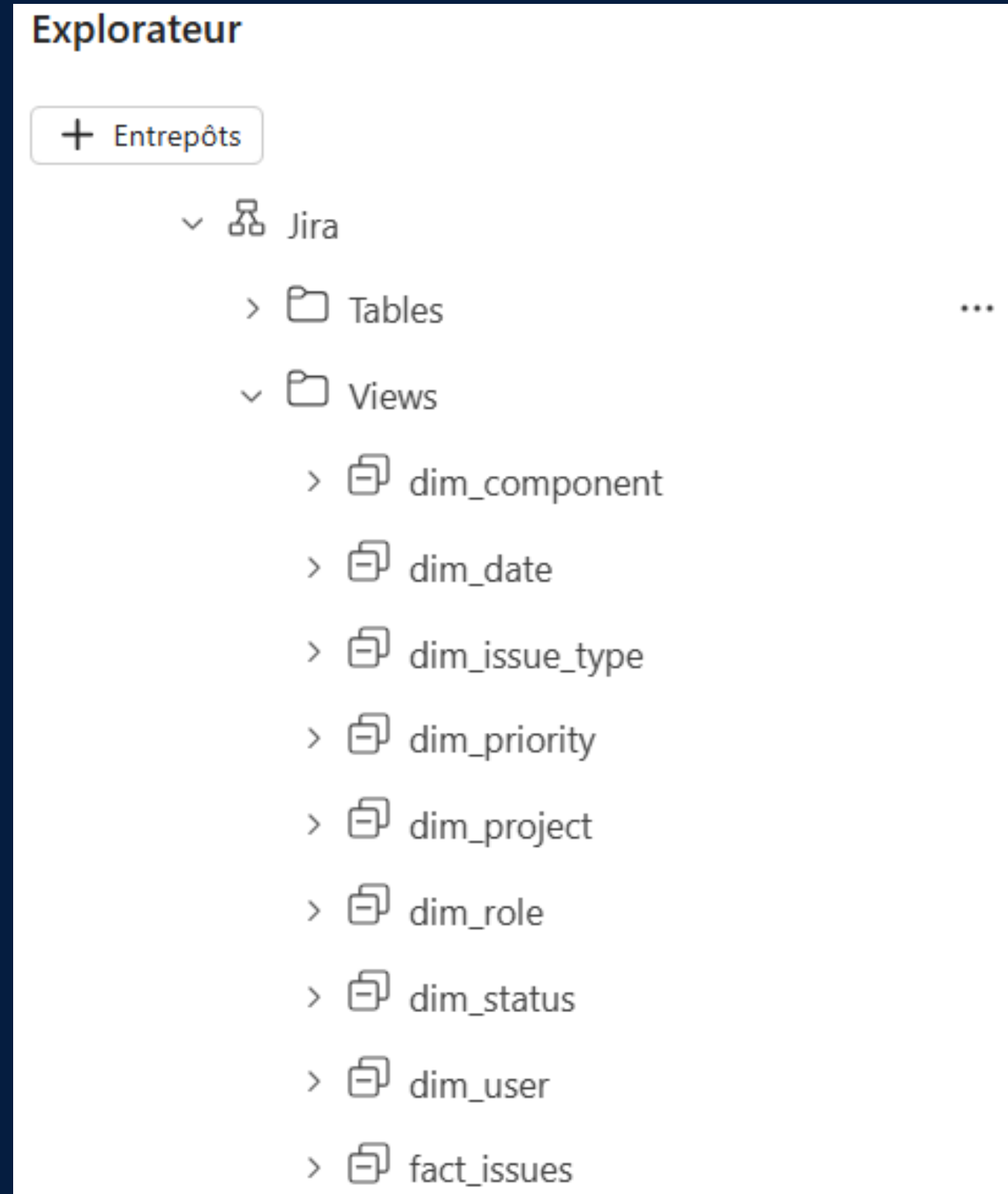
Gold Layer



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