Wavicle's modern ETL Migration Framework

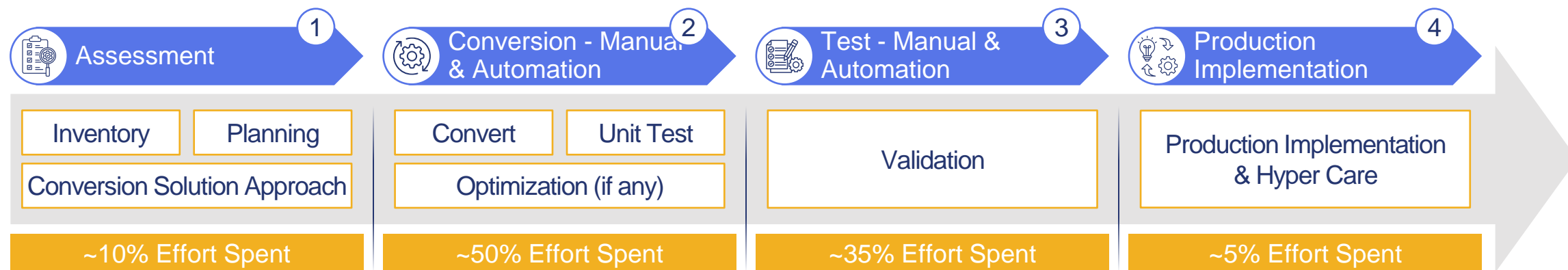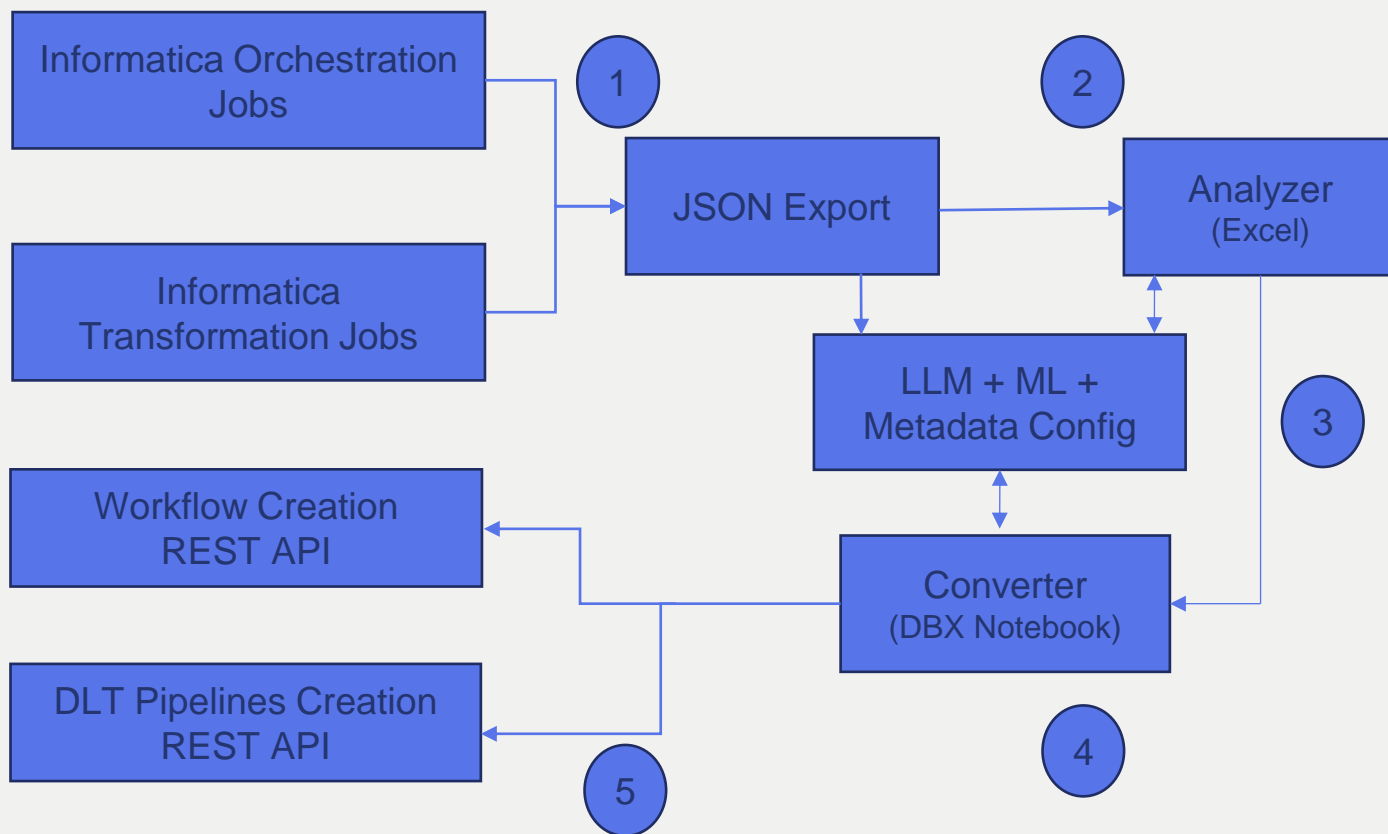| 1 Assessment	2 Conversion - Manual & Automation	3 Test - Manual & Automation	4 Production Implementation
Inventory / **Planning** **Conversion Solution Approach**	**Convert** / **Unit Test** **Optimization (if any)**	**Validation**	**Production Implementation & Hyper Care**
~10% Effort Spent	~50% Effort Spent	~35% Effort Spent	~5% Effort Spent

- Understand existing ETL jobs and categorize based on complexity
- Assess current source & Target environment
- Familiarize with Source and Target application and functions
- Assess overall conversion approach and best practices
- Identify performance SLA's and conversion success criteria

- Identify ETL Jobs that cover all scenarios and complexities
- Identify phases based on subject areas
- Identify jobs for refactoring for Targeted DI Platform
- Convert jobs based on planned schedule
- Identify & implement manual workarounds

- Unit test converted code
- Validate & Compare data between Source ETL and Target ETL
- Data validation of each attribute
- Complete Unit Testing
- Support UAT with Customer
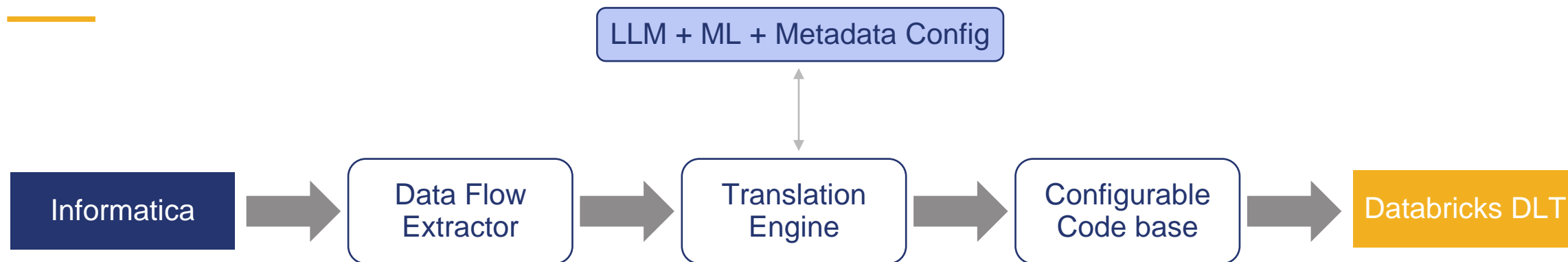- Ready to Release
- Hyper Care support

ETL Analyzer & Converter Flow


```
Informatica Orchestration Jobs ──┐
                                 ├──[1]──> JSON Export ──> Analyzer (Excel) [2]
Informatica Transformation Jobs ─┘            │                  │ ↕
                                              ↓                  [3]
                                      LLM + ML + Metadata Config
                                              │ ↕
Workflow Creation REST API <────── Converter (DBX Notebook) <──
                           [5]              [4]
DLT Pipelines Creation REST API <──
```

Steps:
1. Exporting Jobs
2. Run Analyzer
3. Select Jobs to convert
4. Execute the converter
5. Create Pipeline/Workflow

Conversion Process

LLM + ML + Metadata Config

Informatica → Data Flow Extractor → Translation Engine → Configurable Code base → Databricks DLT

Design Patterns Customizations

Target Database Customization

Data Mapping Specs

Conversion Summary & Reports