

Next Gen DI

High-quality, ready-to-deploy
ETL through automated
pattern discovery





In a digital world, data integration must keep pace with the speed of business rather than build monolithic batch processing applications. Organizations are looking for Data Integration(DI) capabilities that are flexible to enhance extraction capability from digital, social and machine data sources. Other challenges that organizations face include faster time-to-market for integrating data for new products, organizational mergers and acquisitions, and constantly changing regulatory requirements.

Successful data integration development leverages industry experience and thought leadership in the area of design standardization to reduce manual coding and improve predictability on reliable data availability.

Wipro NextGen DI platform

Wipro's IP NextGen DI solution shifts the creation of data integration components from individual job-based to pattern*-based. It offers rich user interfaces and an extensible pattern library to reduce development effort drastically and delivers high quality ETL code consistently. Pre-built pattern libraries help kick-start big data, digital and traditional data integration projects from Day 1. While responding to current data integration needs beyond ETL development, this IP tool also provides other critical modules such as Pattern Discovery for design identification of existing ETL, Batch Analysis on data flow dependencies for batch optimization and source-to-target Data Lineage document generation. With the combination of all these modules in one platform,

NextGen DI is a complete solution for today's data integration needs.

Features

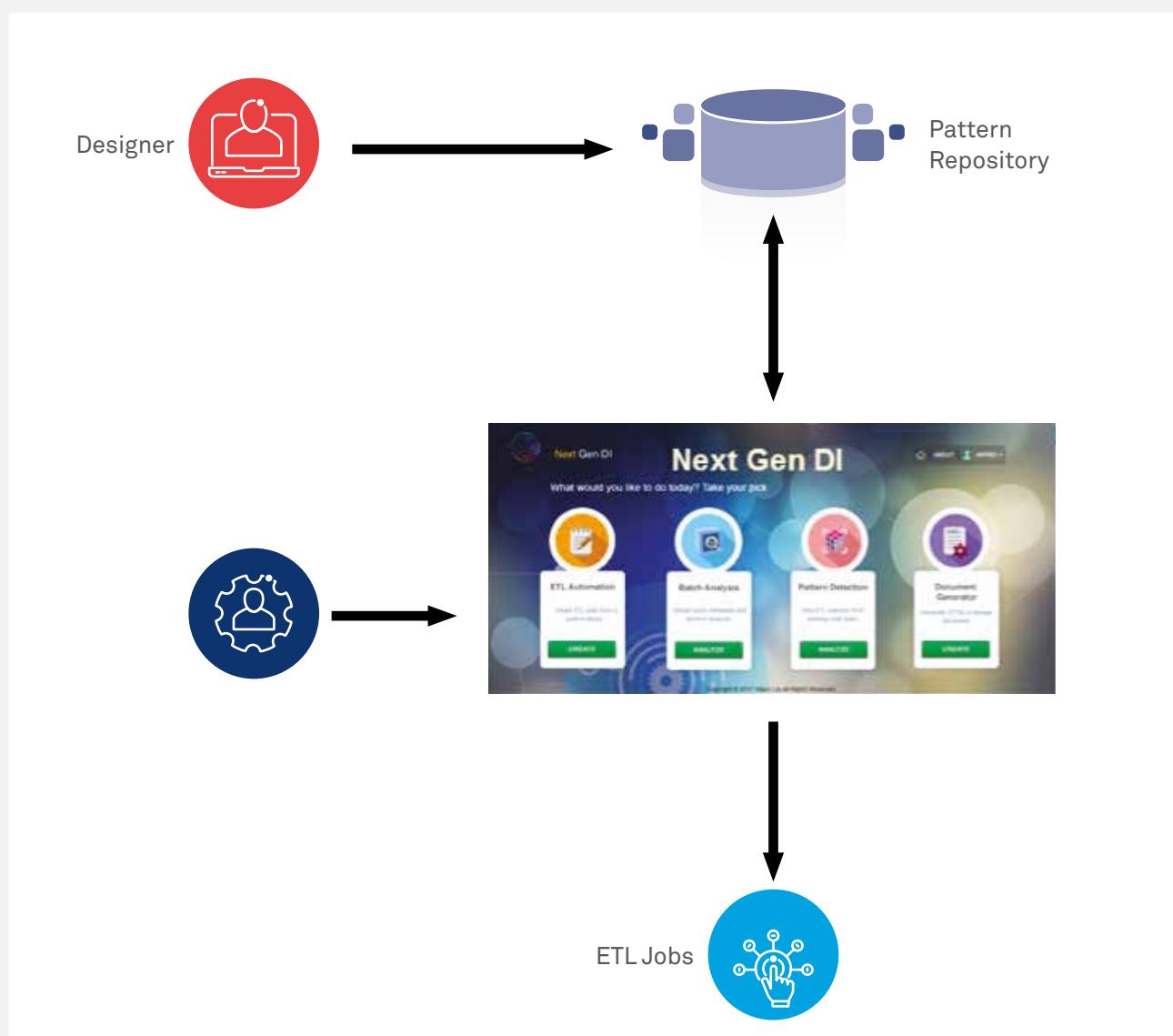
- Reduction in manual efforts in creating ETL code
- Portability to big data edition and Cloud DI
- Pre-built library of ETL patterns for various use cases
- Extensible hierarchical pattern library
- End-to-end patterns for digital integration
- Pattern detection for legacy ETL, helping in faster migration
- Rich intuitive user interface

- Metadata-based source-to-target mapping and data lineage document generation
- Graph-based analysis of batch data flows and dependencies

Key tenets

- Accelerates development using rich and extendable pattern library
- Faster digital adoption through pre-built pattern
- User interface portal for code generation.
- Automated pattern discovery for legacy ETL
- Automated data lineage document generation
- Graph-based analysis of batch data flows and dependencies

Solution overview



*A pattern is an abstraction of the data flow logic defined independently of the data structure metadata and implementations

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