



# G-Cloud 14

Service Definition - Wipro Data migration Testing / ETL Testing



## Data-centric testing capabilities

Wipro has over 29000+ Quality Professionals and 22000+ automation and performance professionals, all dedicated to Quality Engineering and Testing Services

We provide

- Fully automated End to End assurance solution for data warehouse and ETL testing
- Big Data Assurance for cloud and open-source Hadoop platform
- Data Quality driven Data Migration solutions for modernization programs
- Compliance driven Test Data Management solution for optimized test data in non-production environments
- BI Assurance for reporting and visualization platforms
- Solution for Master Data Management Assurance

## Data Migration Testing/ ETL Testing

Data Collected, Stored, and Organized by Business takes time, money, and effort that guides to the success of any business.

We at Wipro understand the importance of data and its impacts on business. Thus, we provide Data quality assurances to businesses when they move this data around from system to system as even the best Analysis depends on quality data. We ensure all the hard work in maintaining this data is not lost when it's being moved as we perform key tests to validate and ensure that your data is not corrupted, deleted, or duplicated

## What is Data Migration Testing

Data that is moved from a source to a target is data migration. With the help of Wipro's SME, we suggest Tests that can ensure Data Quality and completeness. Now depending on the source and the target, and the type of data that is being migrated

## Key Tests Conducted for Data Migration services

- Readiness Testing to verify the migration environment
- Data Profiling validation
- Data Quality validation
- Transformation Complexity evaluation
- End to End Testing
- Reconciliation testing
- Regression testing

While Our approach to Ensure Data Quality and integrity varies depending on projects since every client that approaches us is provided with the best-customized test plan for their use case, here is our general approach:

## Our General (but not limited to the following below) Testing Approach

1. Source Data Validation
2. Incremental Migrations
3. Data Volume & Integrity
4. Meeting Data Validation Thresholds
5. Transformation Validations
6. Data Quality Validations
7. Simulation of Test Data
8. In-place Database upgrades
9. Migration, Performance, Scalability

## Data Validation Check

- Schema Validations
- Duplicate and distinct value check
- Data Truncation and Data format
- Referential Integrity Checks
- Transformation Validations
- Data Availability check
- Data Quality and Data Loss Check
- Full and Incremental Load scenario validation & Data Consistency
- Specific source data scenarios related to file type, record type, format
- Automated regression testing of identified downstream application consuming the extracts
- Backfill testing for any historical data loaded to Data Lake
- Rewrite test queries / scripts based on the target
- Test all identified regression suite post workload migration
- Error Handling / Negative testing

## Contact Us

Kindly contact at the following Wipro details for any further information and engagement related details:

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## About Wipro Limited

Wipro Limited (NYSE: WIT, BSE: 507685, NSE: WIPRO) is a leading technology services and consulting company focused on building innovative solutions that address clients' most complex digital transformation needs. Leveraging our holistic portfolio of capabilities in consulting, design, engineering, and operations, we help clients realize their boldest ambitions and build future-ready, sustainable businesses. With 250,000 employees and business partners across more than 60 countries, we deliver on the promise of helping our clients, colleagues, and communities thrive in an ever-changing world.

