



G-Cloud 14

Service Definition - Wipro Data on Cloud Testing (DCT)



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 on Cloud testing

Data on cloud has proven its utility to business for Low costs and the multiple services and capabilities that can transform your Data into business leverages for success. Wipro's Understanding of such interconnected system, allows it to thoroughly Tests for Quality and Accuracy of your data when moved to cloud, we also Check if the Tools and services can perform up to the expected standards for that low cost,

1.Cloud Data Migration Testing

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

Target Table Schema:

- Ensure required target table exists.
- Validate columns are available in the target table
- Ensure Target Tables Have Zero Records before data migration

Record Counts:

- Validate Record Count for Inserted Records
- Validate Record Count for Updated Records

Data Check:

- Data Conversion Validation
- Data Validation for updated/transformed columns
- Duplicate record checks
- Mandatory column validation
- Validate date format
- Validate nulls
- Validate aggregation and summarization columns

We can classify your needs into these categories of services. It can be either one of the categories or a combination of multiple of some.

1.1. Cloud Platform migration Testing

Before shifting your cloud Platform, Wipro will thoroughly Test to ensure that your data quality is assured so your existing workflow is not broken and stalled. We also provide End to End testing for dependent systems that may also require testing to validate the use case for upgradation

1.2. Cloud Application migration Testing (Application change like SAP to Other ERP Tool)

The Data when shifted to a different platform, requires a lot of planning with experts to not only leverage the new features offered but also to make sure how compatible your current data is with the new platform. With Wipro's SMEs, consulting and creating a roadmap with Test validations for Data Quality Assurance.

1.3. Cloud database migration Validation (Oracle to Cloud)

Database migration validation can be simple, or complex based on different projects defining the source and target but Wipro's SMEs, Provide Data Quality Assurance for businesses which ensures Data is transferred with no errors or duplications

1.4. Cloud ETL testing

ETL testing is dependent on the kind of Source and Target then only a Test plan can be made ensure Data Quality assurance, Wipro has Consulted and Managed many Accounts that Required ETL testing, and we understand that Testing is critical not only For ETL process but also to validate that transformed data is ready to use by the target. We Provide Consulting and End to End services too

2. Cloud Data test automation framework creation

Wipro is an Expert in Automation and Automation testing for Data Migration, Reporting, TDM, MDM etc. Where the location can be Cloud, on prem or hybrid. With our approach to automate testing for data quality assurance, we can provide the most economical yet effective solution

Test Automation for Cloud DM, DW, Reports Example (not limited to the scenarios below)

- Source Systems & Ingestion (Cloud)
- Ingestion Layer & Provisioning Layer (Snowflake) – In Cloud
- Snowflake Provisioning & Snowflake Consumption layer - In Cloud
- Report Testing
- Reconciliation Testing between Source, Snowflake (Cloud) and Teradata (On Prem)

3. Cloud Data Comparison

Wipro can compare your On-prem data and cloud data to find consistency and provide Data Quality Assurance by conducting tests to know the quality of data.

Examples

- Snowflake (Cloud) and Teradata (On Prem) in Provisioning Layer
- Business View (Cloud) and Business View (On Prem) in Consumption layer
- Snowflake (Cloud) and Teradata (On Prem) in Ingestion Layer

Contact Us

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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.

