

Data Testing Methodology

Functional Testing	Data Extraction Testing	Data Migration Testing	Data Analytics Testing
Ensuring...	<ul style="list-style-type: none"> Batch processing job validation Streaming ingestion workflow Source-to-Target column mapping Validate integration of data from multiple sources 	<ul style="list-style-type: none"> Post-migration Data accuracy validation (consistency, accuracy, constraints, data duplication) Data transformation validation, Data lineage 	<ul style="list-style-type: none"> Verification of accuracy, completeness and report format by end users Validate analytics functionality/ accuracy Web app/ Mobile app validation
Non-Functional Testing	Platform Testing	Performance Testing	Security Testing
Ensuring...	<ul style="list-style-type: none"> Validate configuration and compatibility of installed components Validate requirements for hardware and infrastructure components Failover testing - recovery design & config. 	<ul style="list-style-type: none"> Performance under load of big data applications - response time, processing capacity, concurrent user handling Performance limits and boundary conditions 	<ul style="list-style-type: none"> Access validation on data and name nodes Authentication testing to verify authorized user and Role based access Data level security - access to data based on permissions
Tools			

