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CI/CD & Migration Updates

MettleCI OEM almost finalized

- Clients who trade-up or upgrade to DataStage or Information Server for Cloud Pak for Data, or buy net new licenses, will be entitled to use MettleCI at no additional charge
 - Migration to Cloud Pak for Data
 - CI/CD capability on existing entitlement (for modernization licenses) and on Cloud Pak for Data

Welcome to MettleCI

The first 3 principles of the Agile Manifesto

"Our highest priority is to satisfy the customer through **early and continuous delivery** of valuable software."

"Welcome changing requirements, even late in development. Agile processes harness change for the customer's competitive advantage."

"Deliver working software frequently, from a couple of weeks to a couple of months, with a preference to the shorter timescale."

Introduction

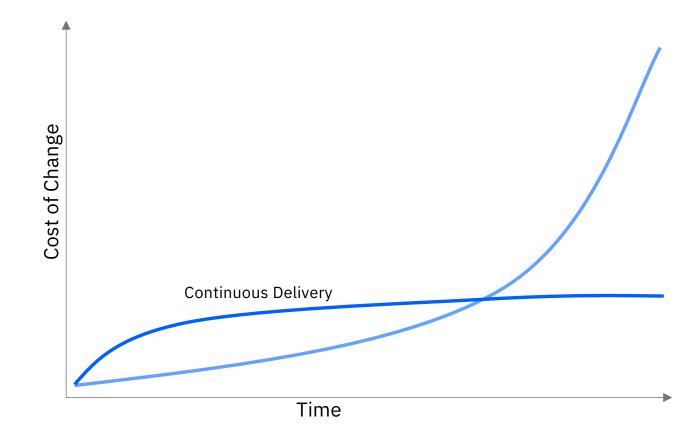
The problem

Agile Methodologies

- Continuous feedback
- Embrace (inevitable) change
- Frequent delivery

How do we flatten the cost of change?

- Small, frequent changes
- Reduce the feedback loop



MettleCI for DevOps Accelerate your Software Delivery Lifecycle

MettleCI Benefits

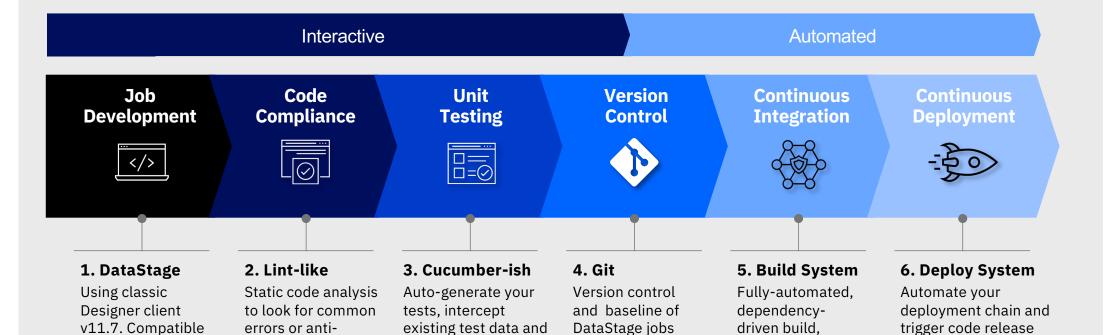
- Shorter time to delivery
- Lower cost of maintenance
- Higher performance Jobs
- Earlier, cheaper defect discovery
- Lower testing costs
- More reliable E2E execution
- Zero-effort work item traceability / auditability
- Release management with minimal effort
- Visibly more productive DataStage teams
- Higher utilisation of Information Server platform
- Demonstrable alignment with organisation strategy

MettleCI Features & Functions

- Automated Peer Review (Compliance)
- Automated Unit Testing (generation & management)
- Universal Git integration (Jobs and Unit Tests)
- Continuous Integration
- Continuous Delivery

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An Idealized Automated Delivery Pipeline



and their tests

deploy, and test

automatically or

manually

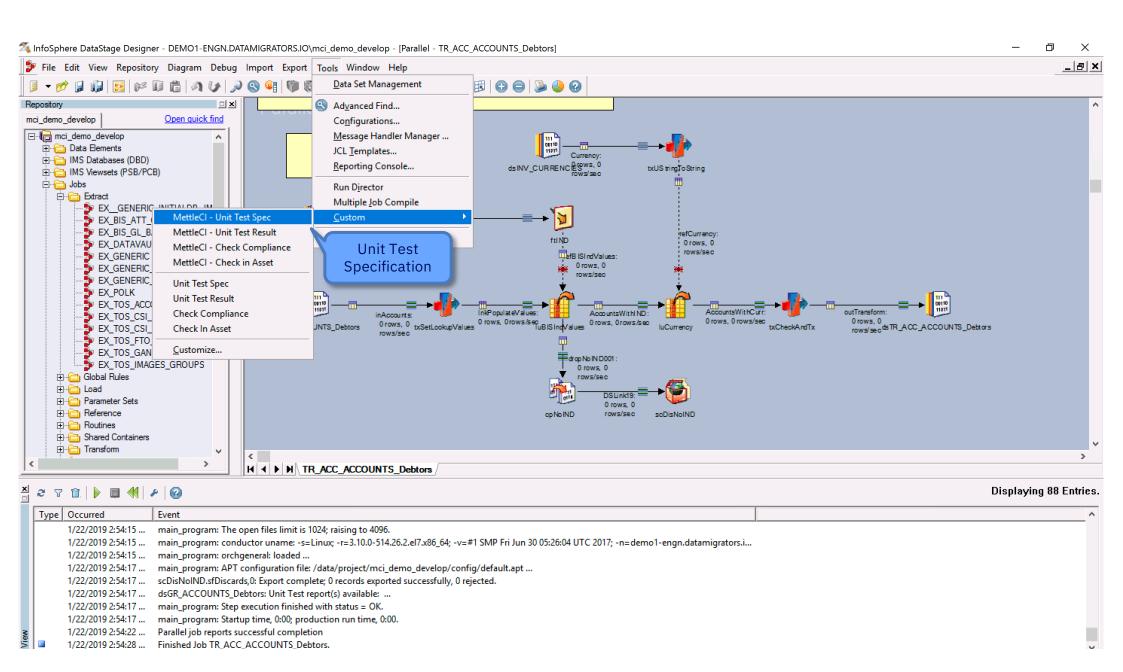
ship downstream

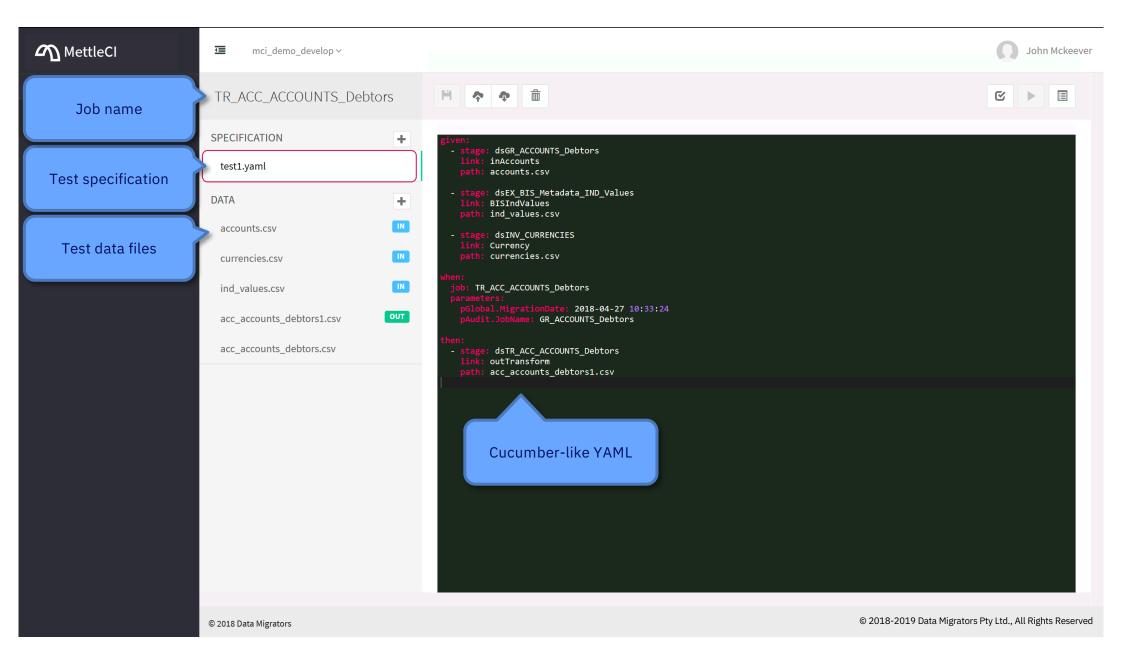
patterns

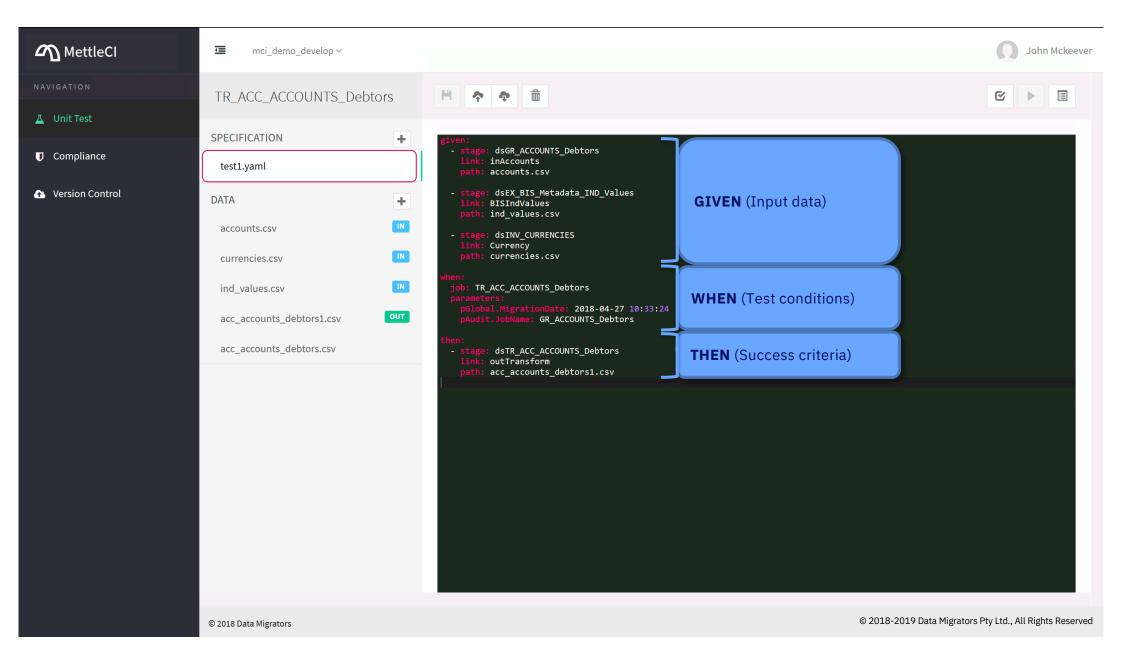
with browser-

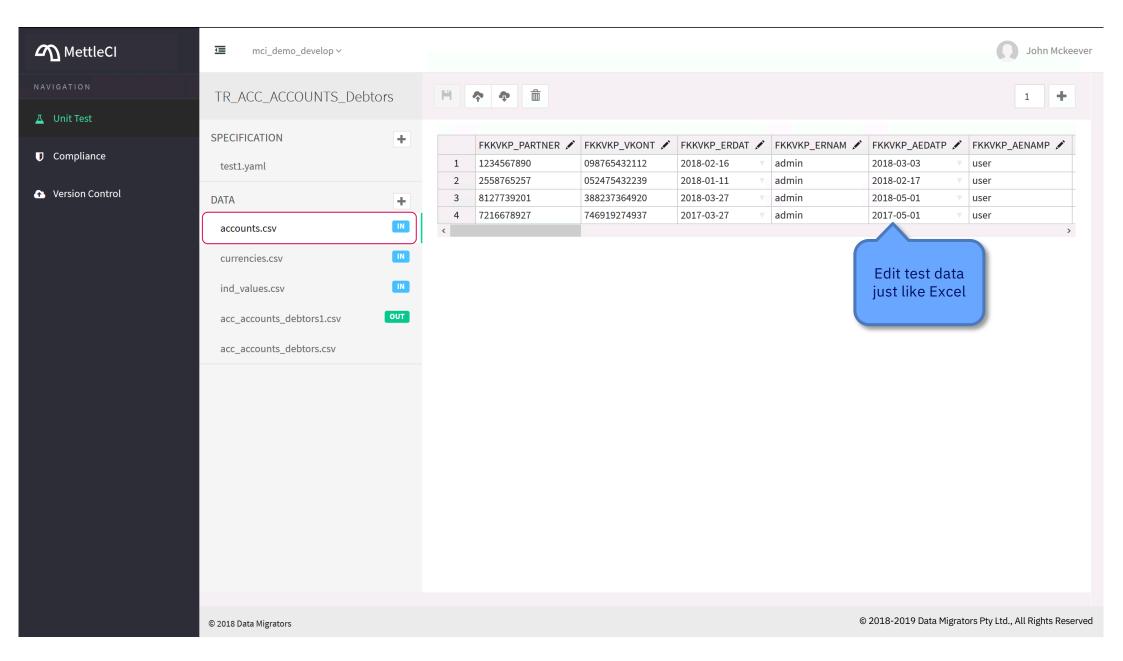
based editors.

Unit Test Specification Cucumber-like test specifications

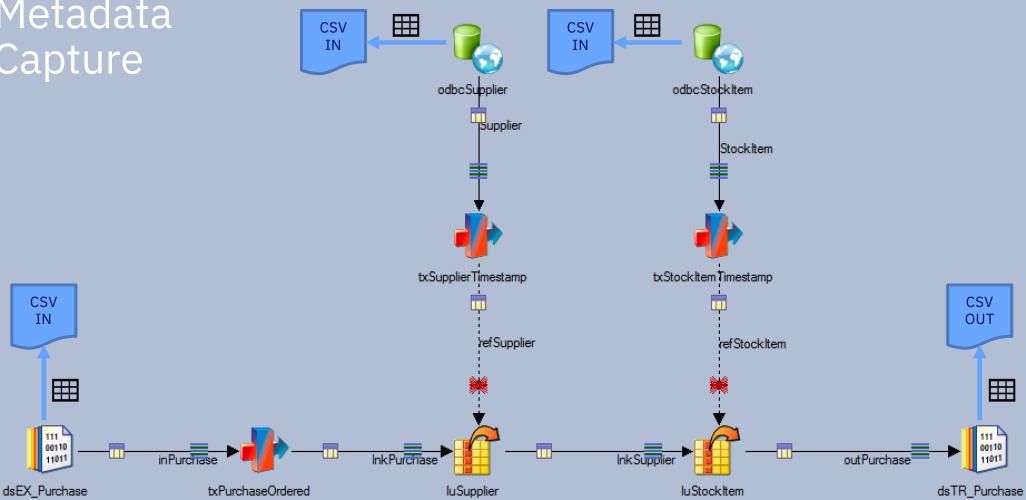




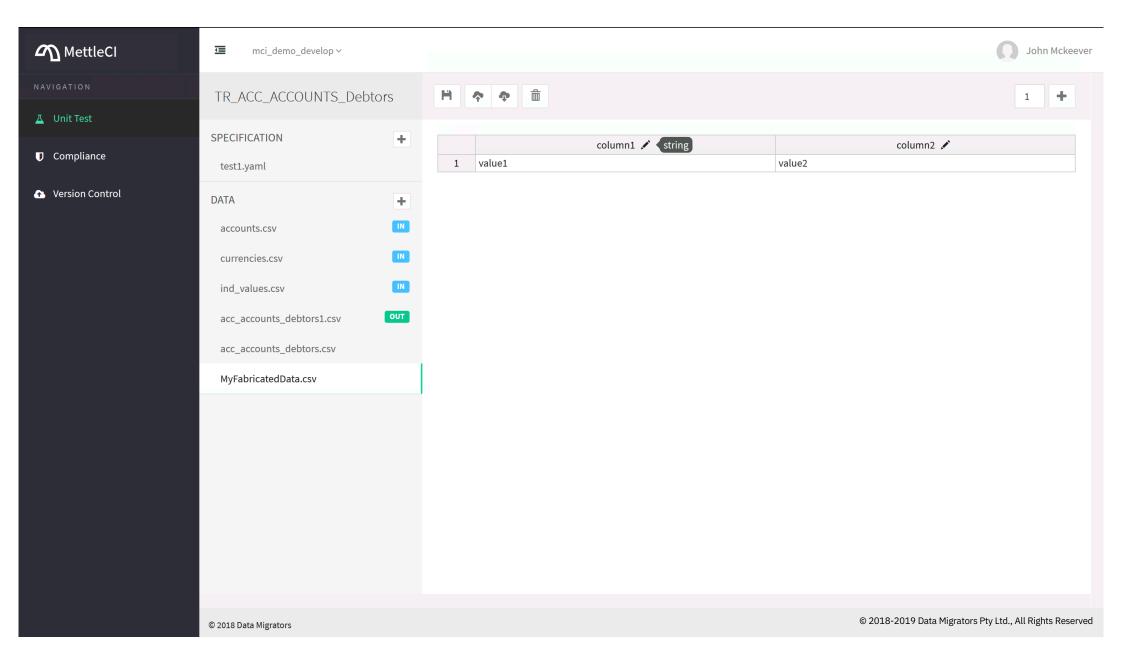


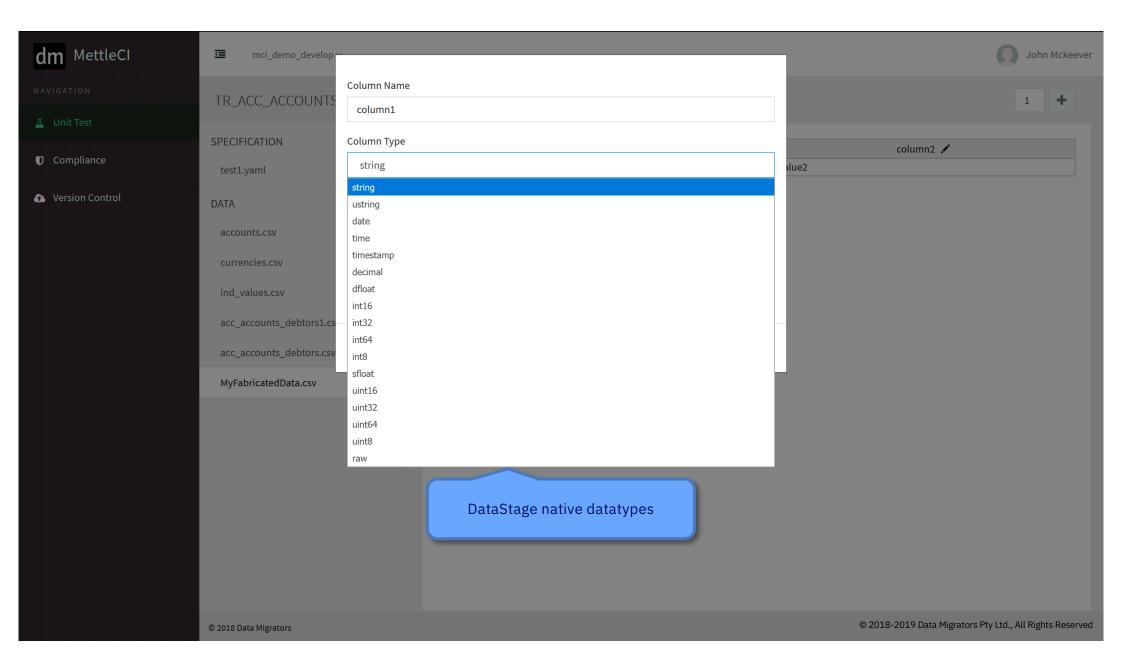


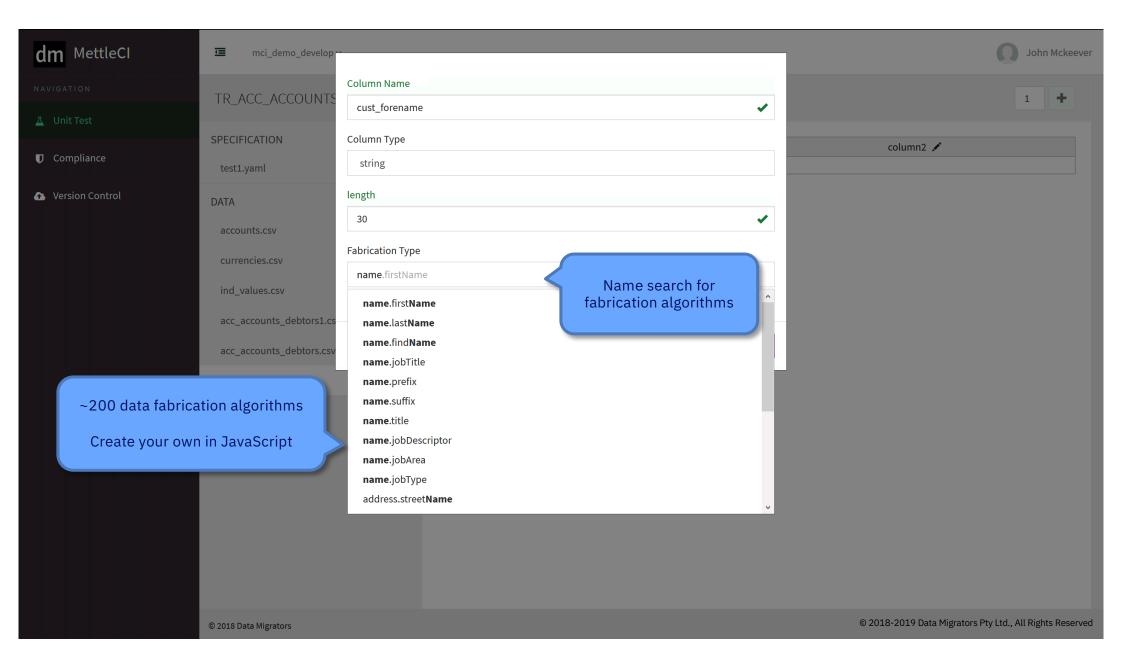


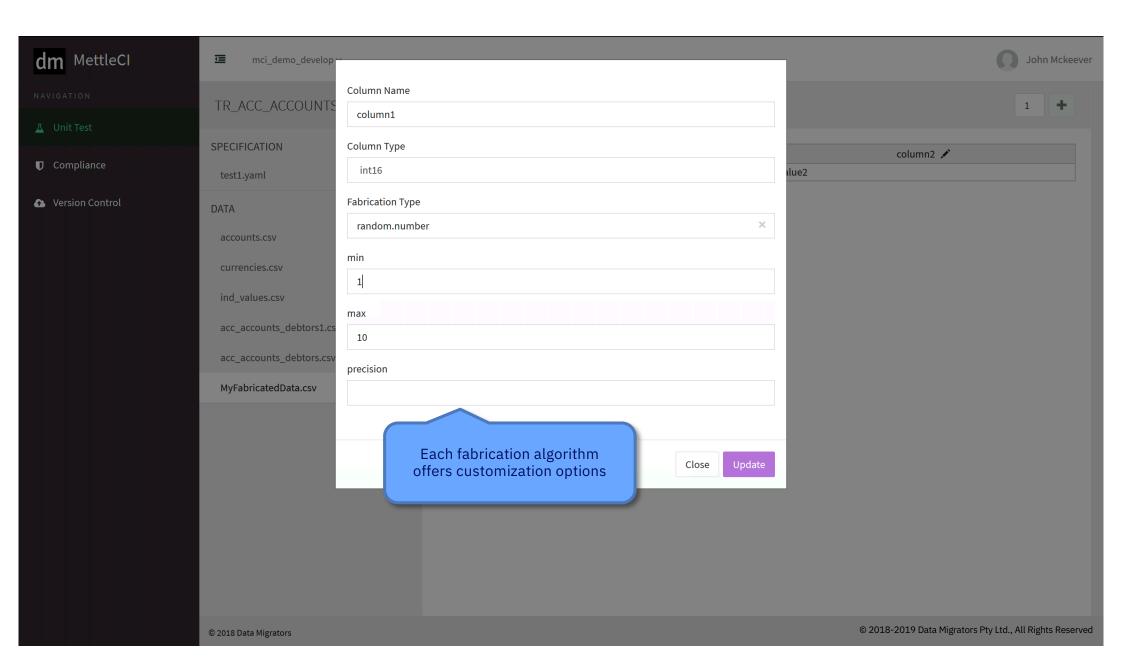


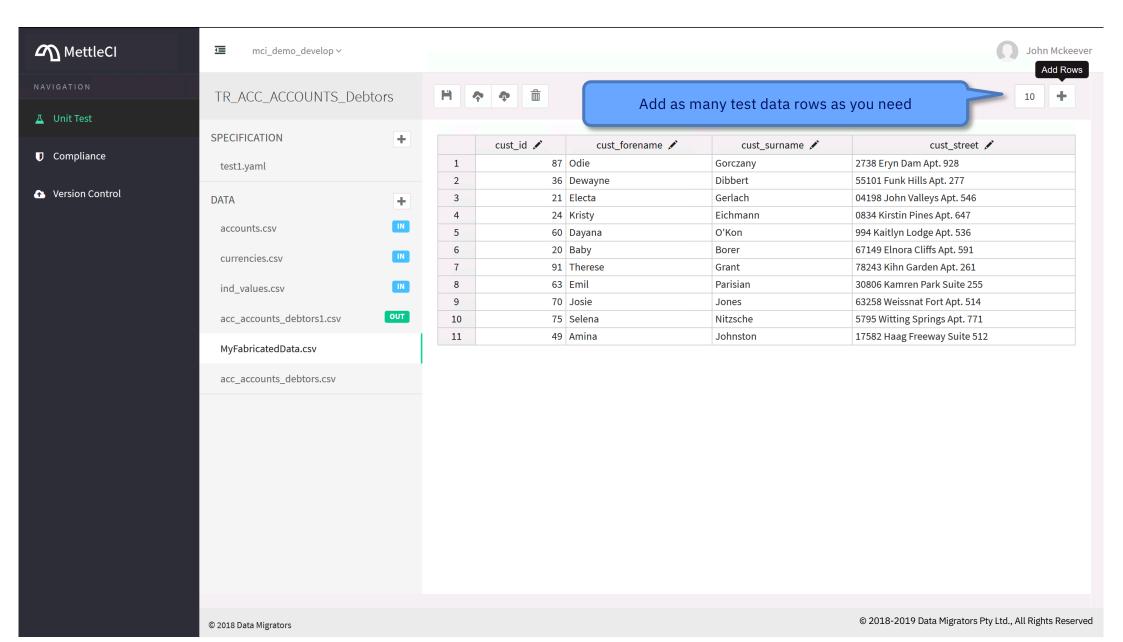
Data Fabrication Automated data generation

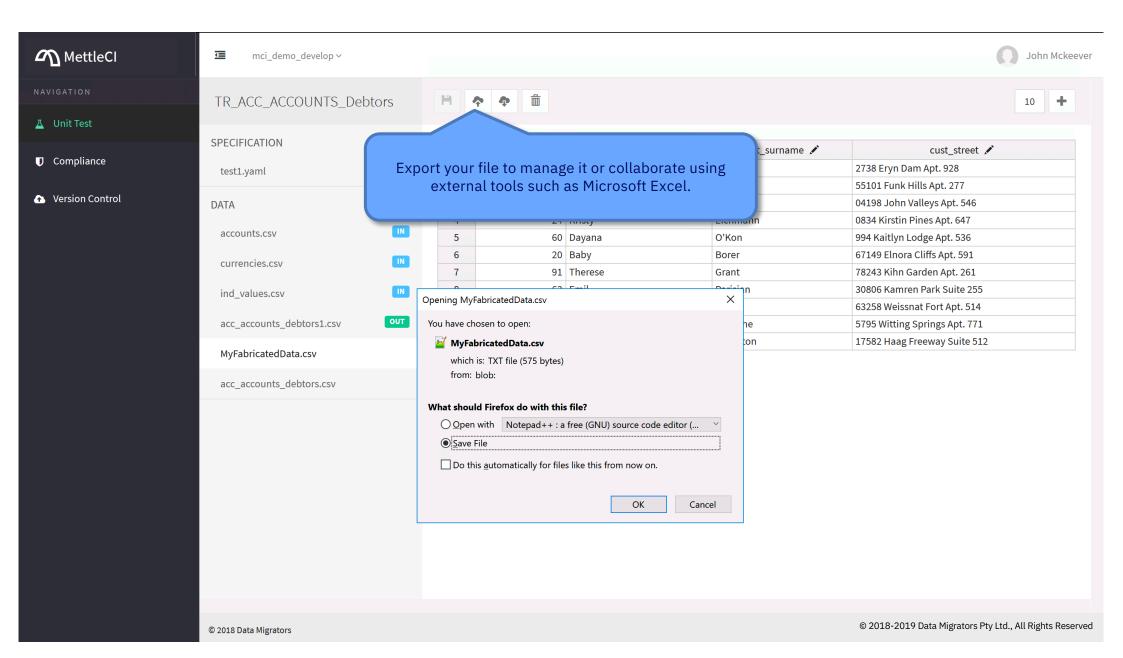












Automated Unit Tests Run tests from DataStage Designer

Test Data **CSV CSV** Interception IN IN odbcSupplier odbcStockItem StockItem txSupplierTimestamp txStockItemTimestamp CSV CSV IN OUT refSupplier refStockItem

luSupplier

luStockItem

dsTR_Purchase

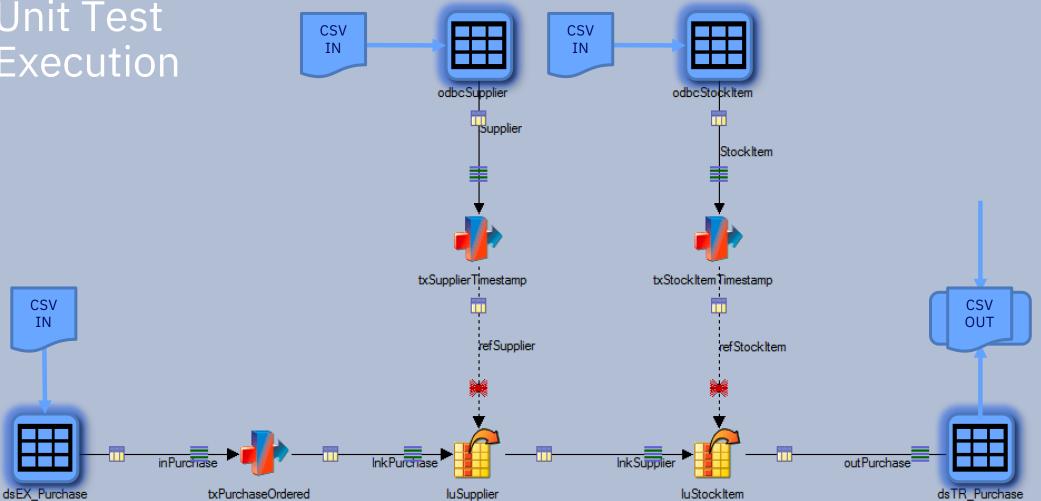
dsEX_Purchase

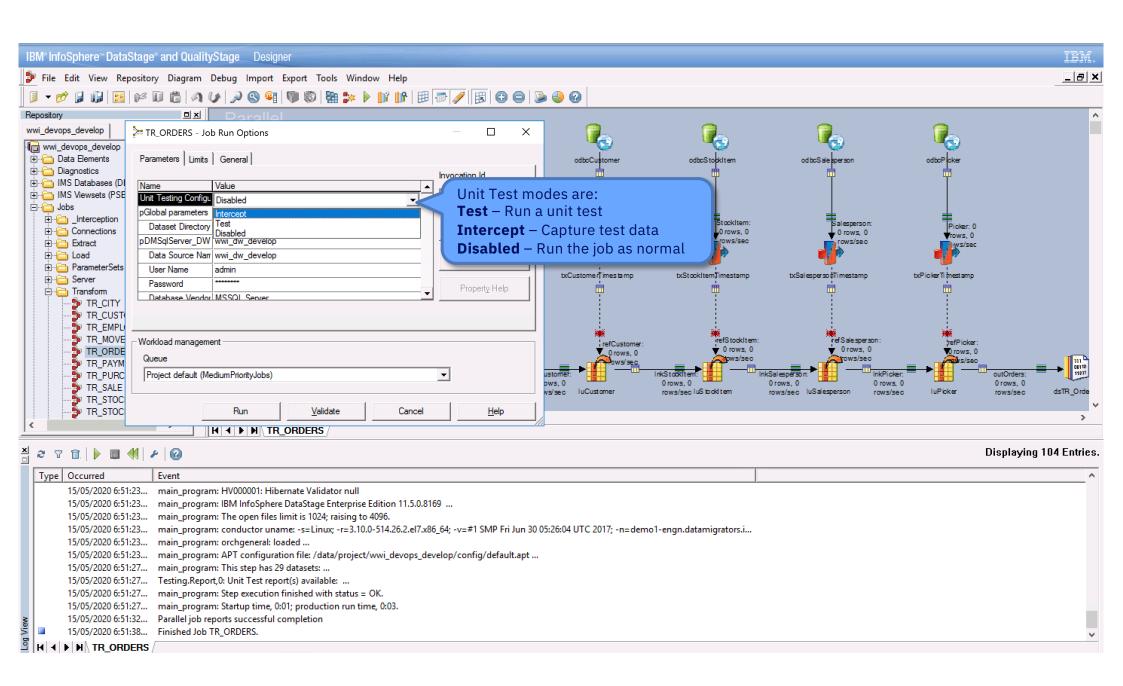
txPurchaseOrdered

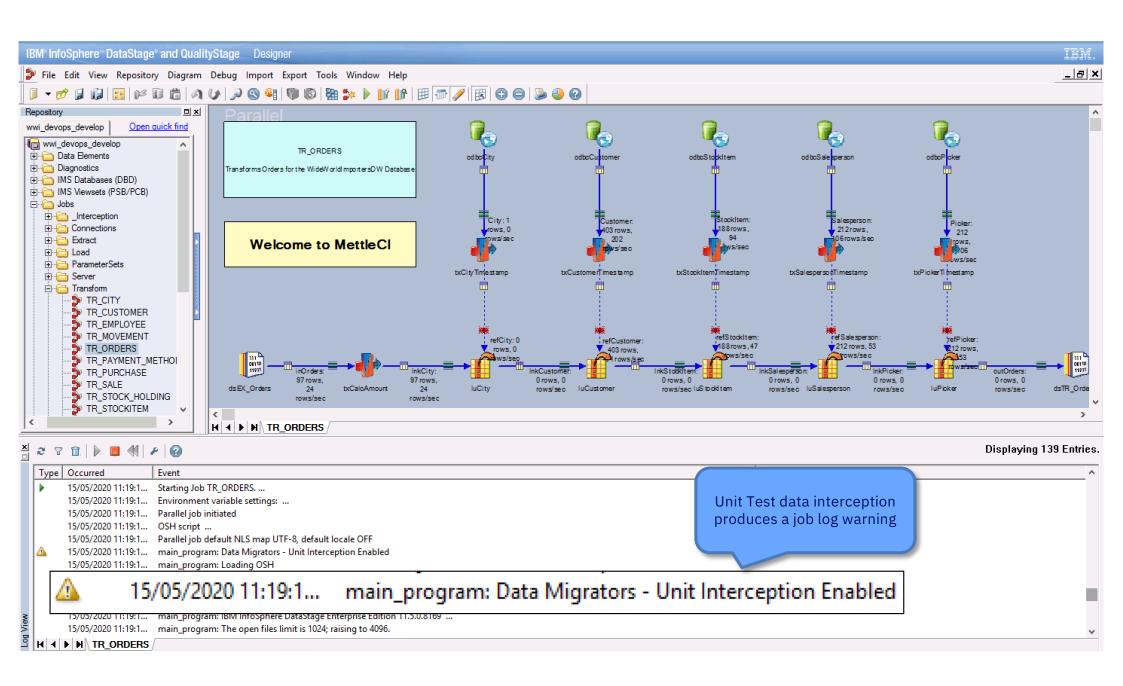
CSV

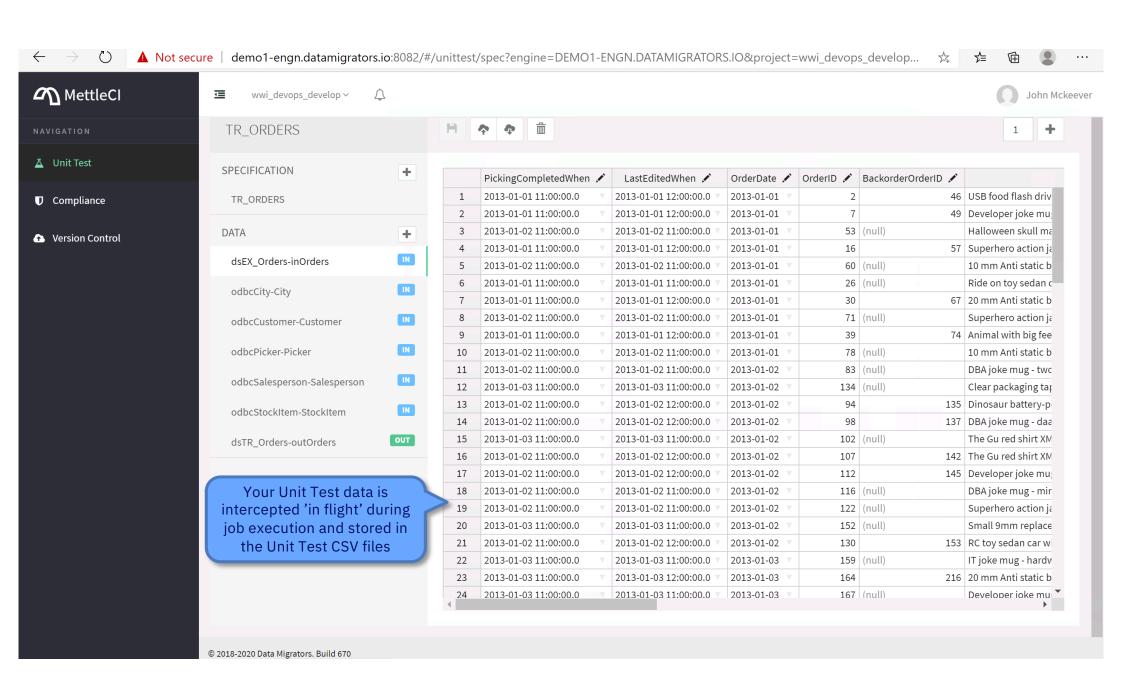
IN

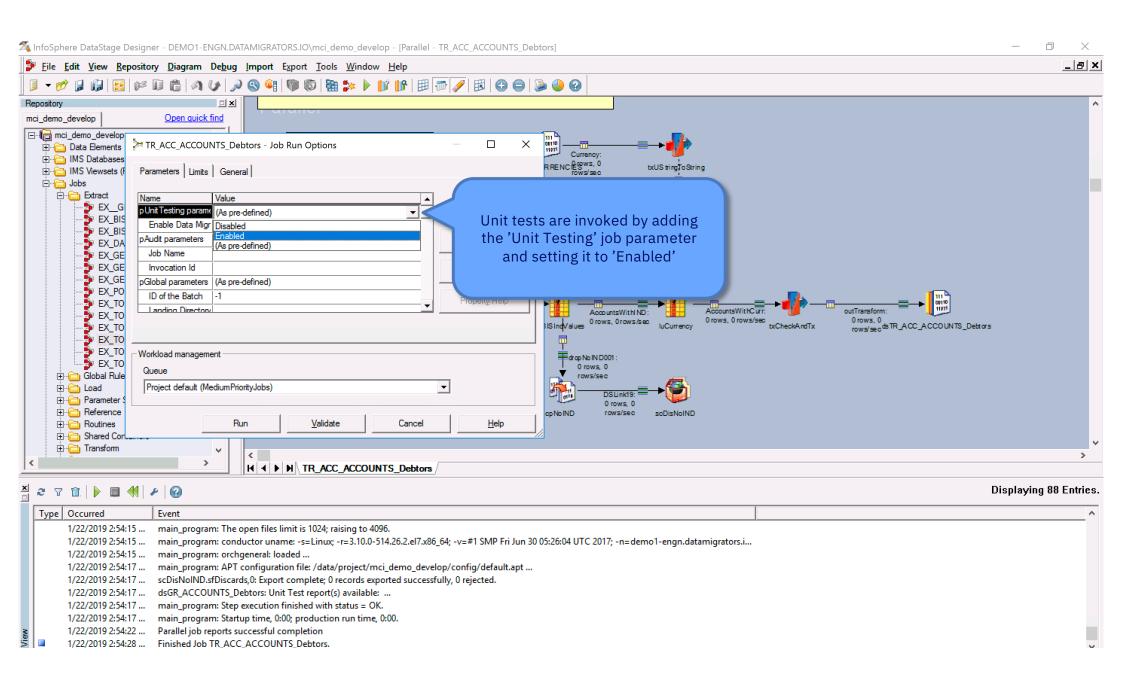


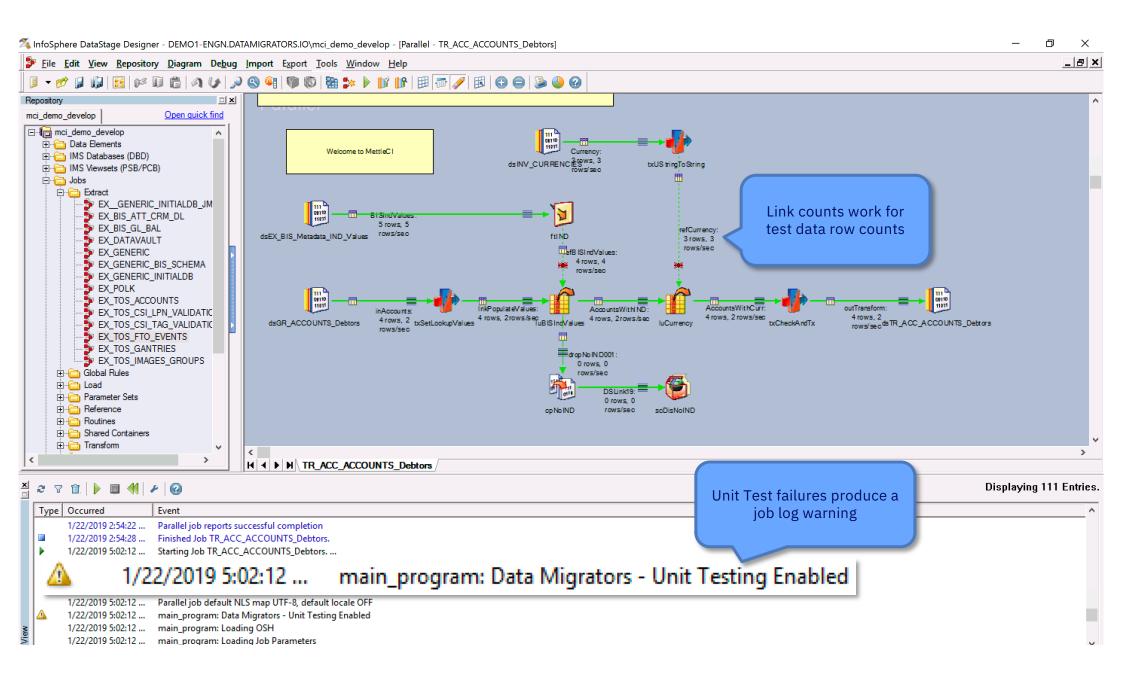


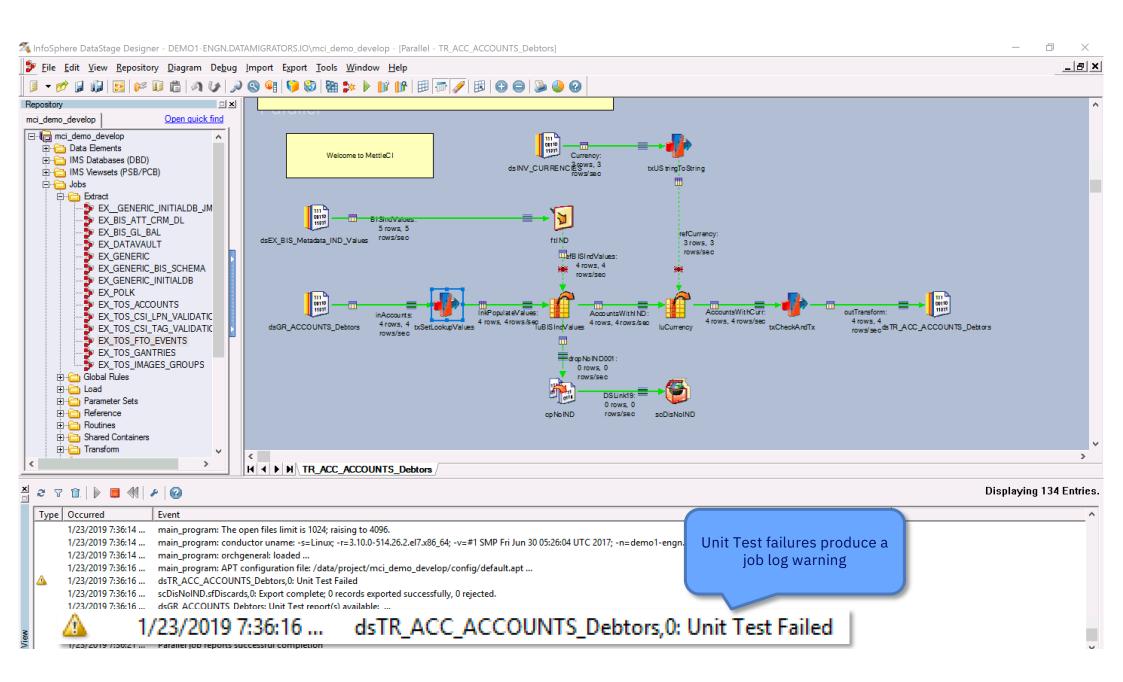


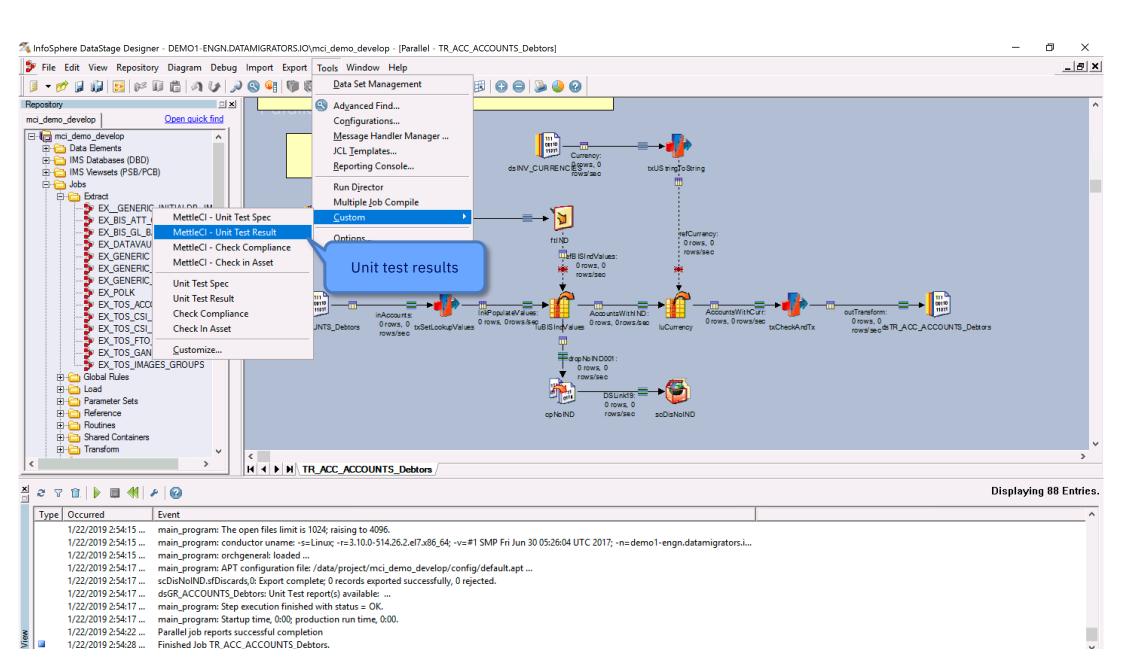


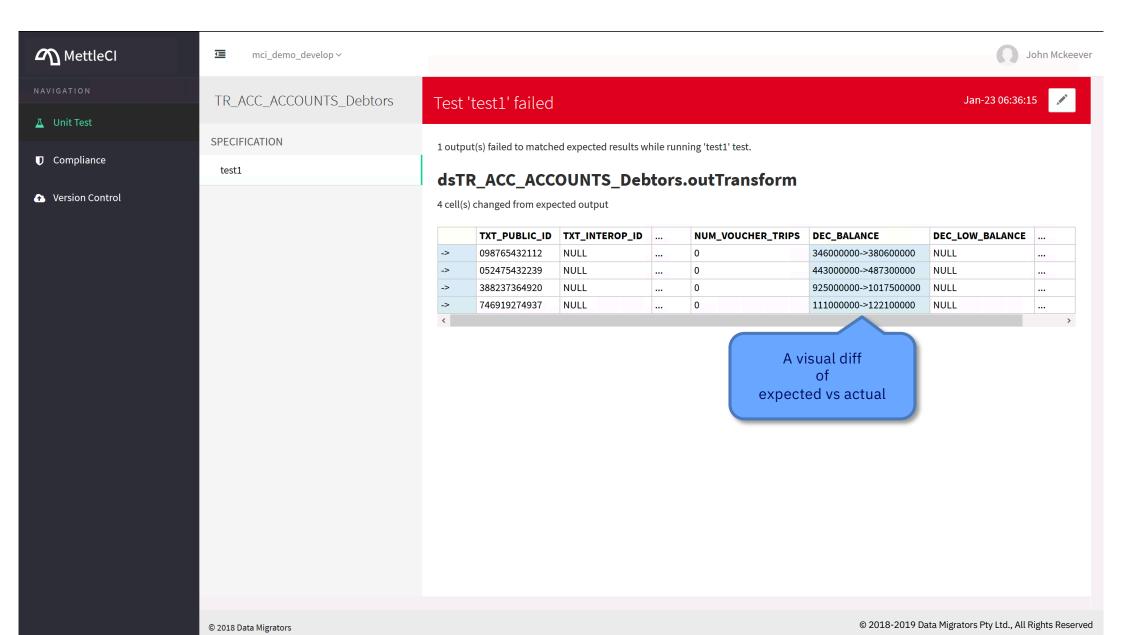


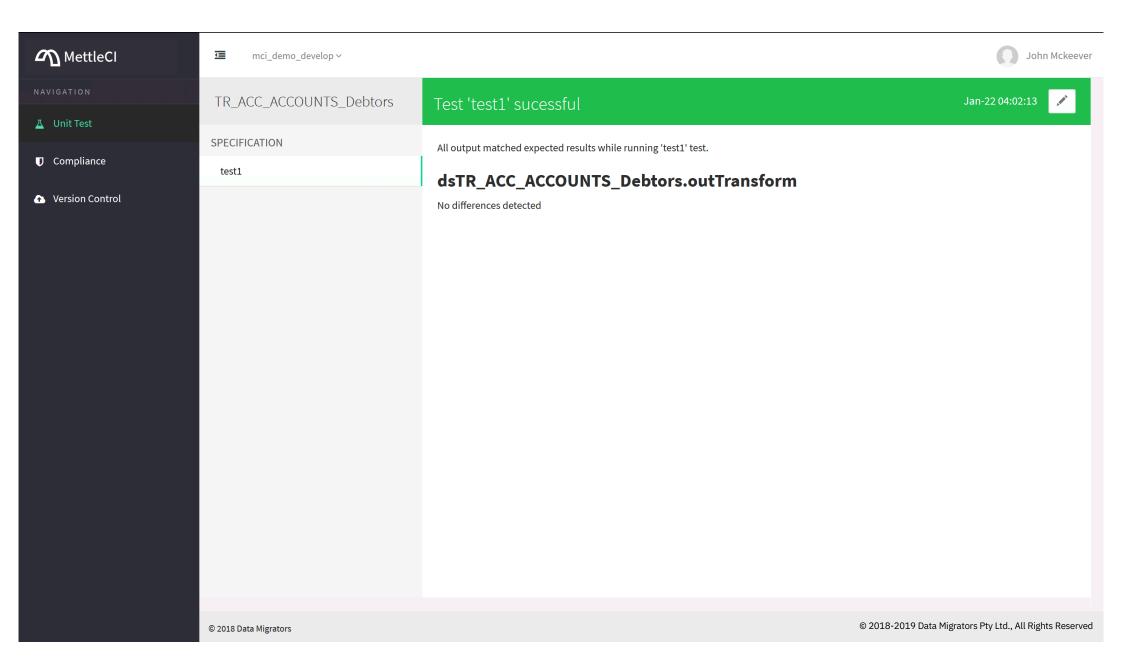




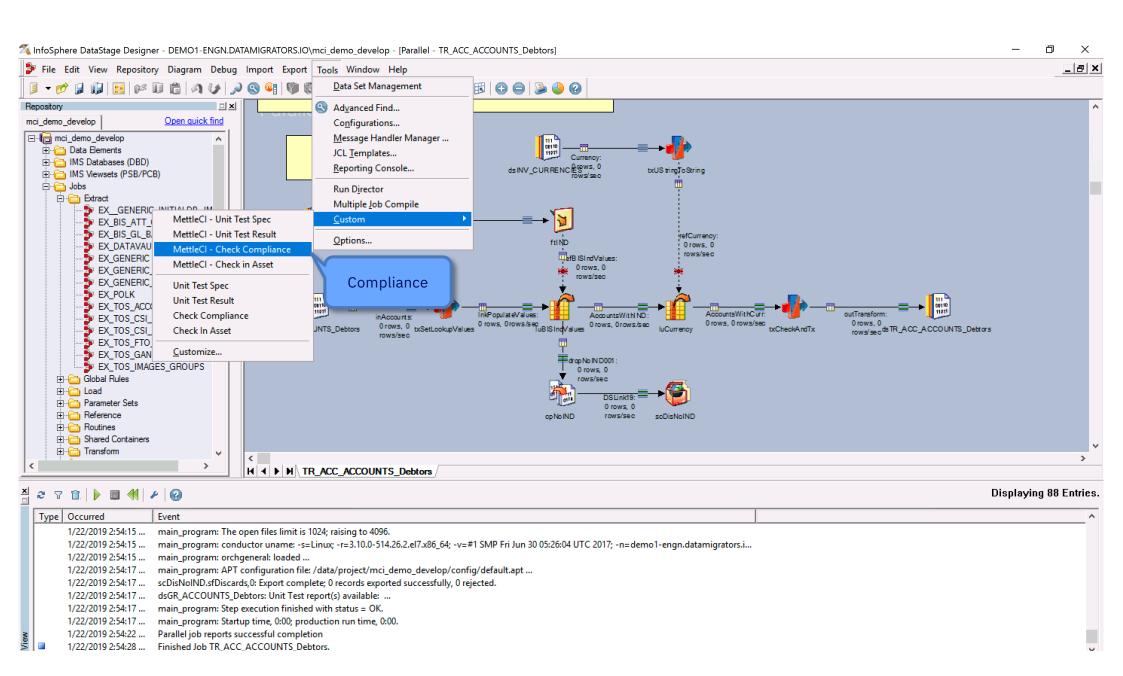


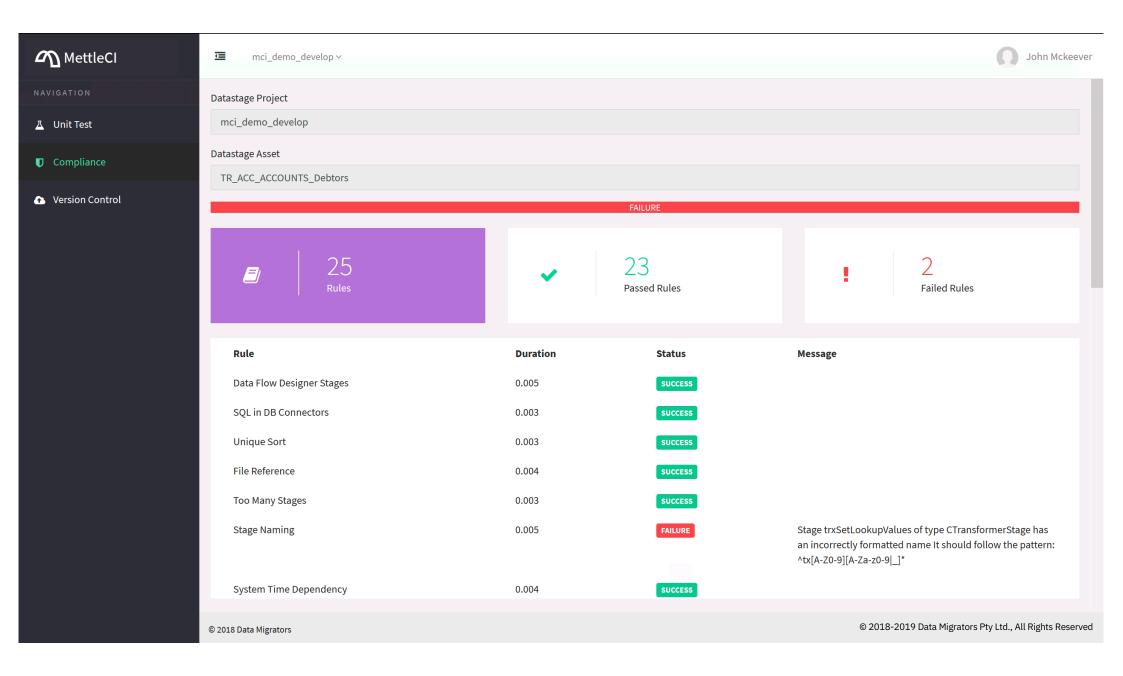


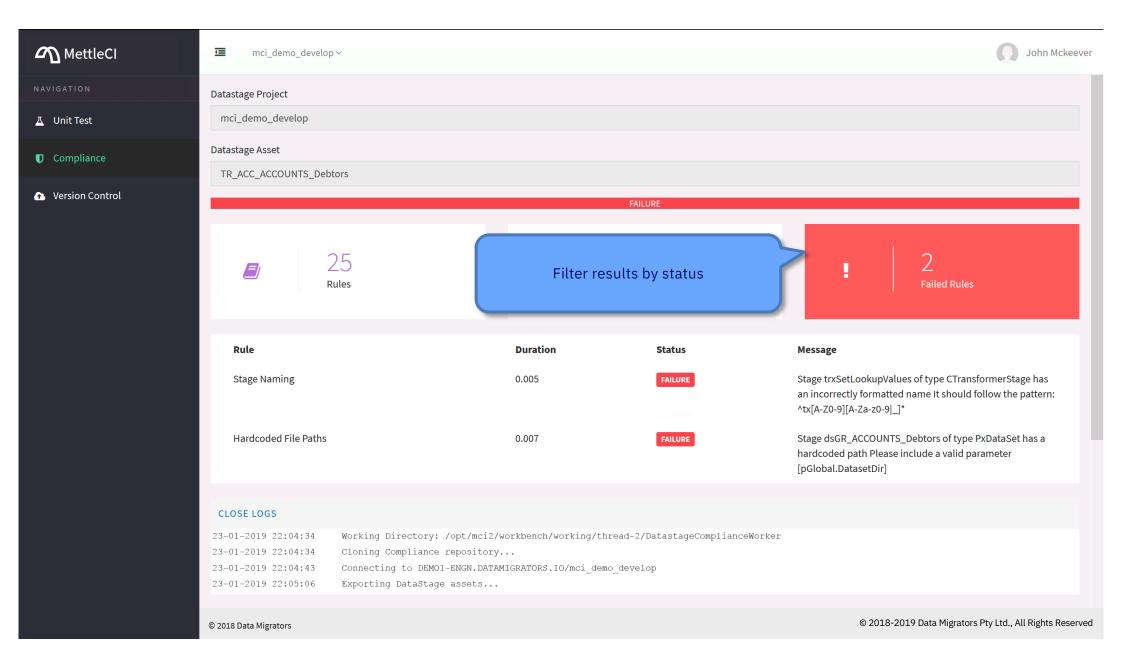


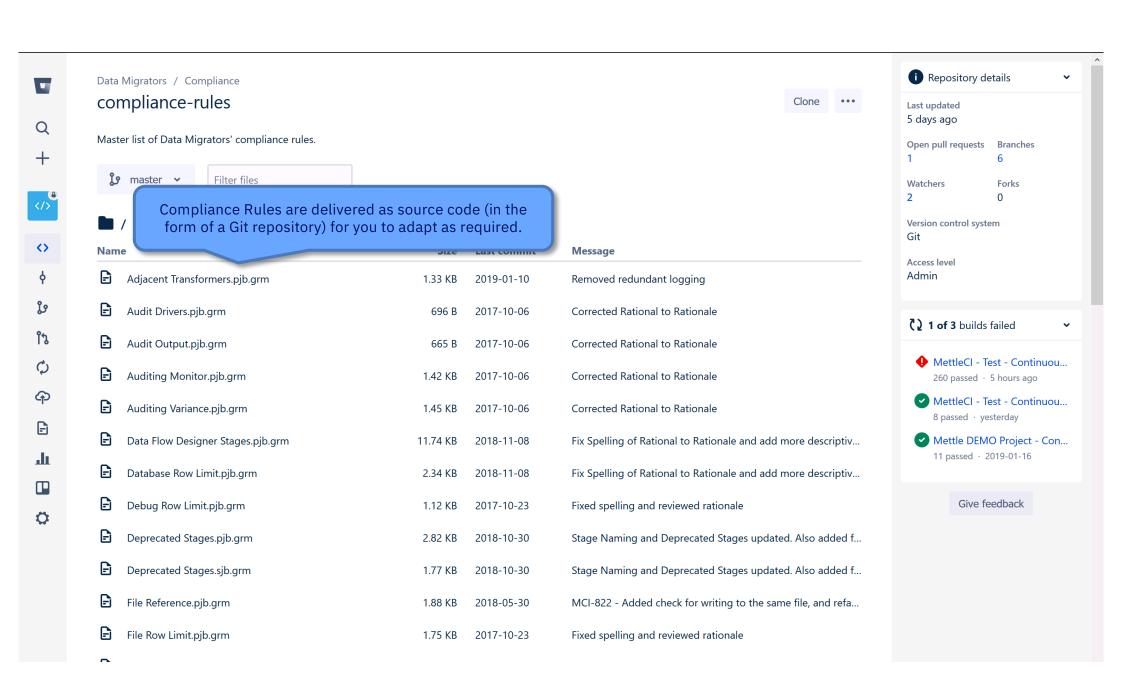


Static Code Analysis Lint-like anti-pattern identification

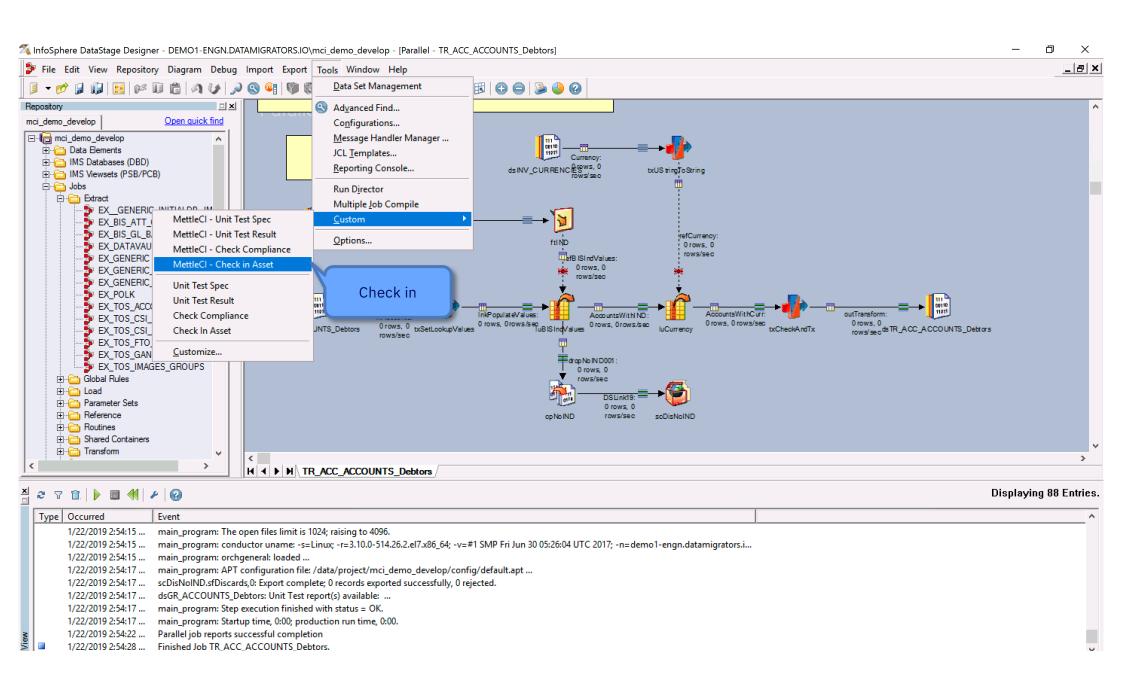


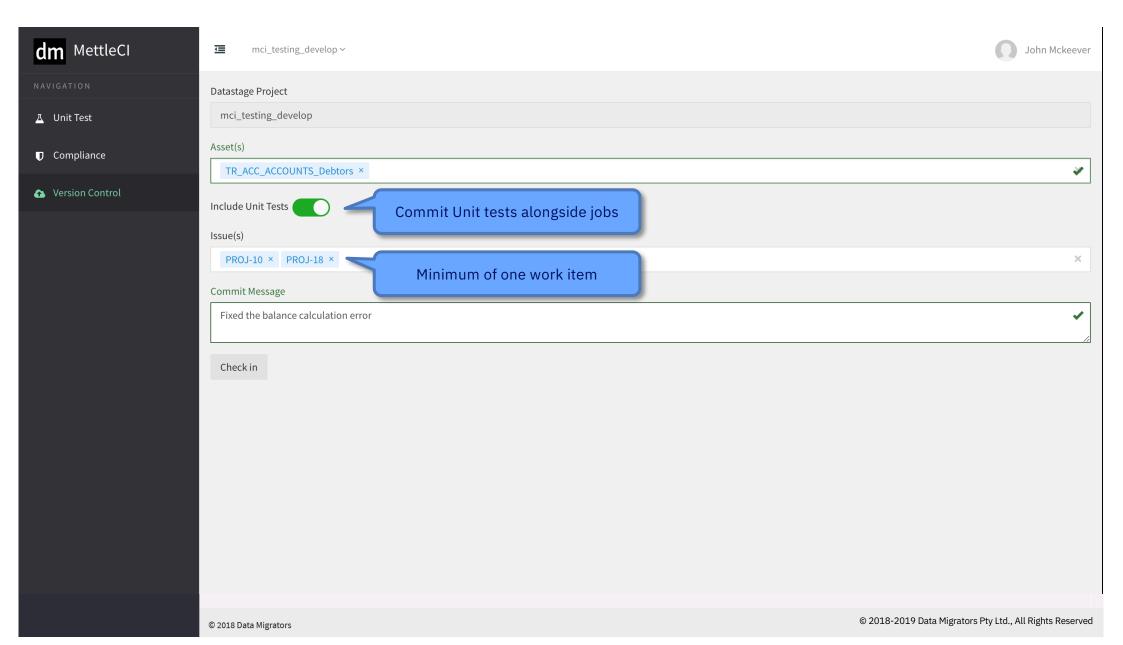


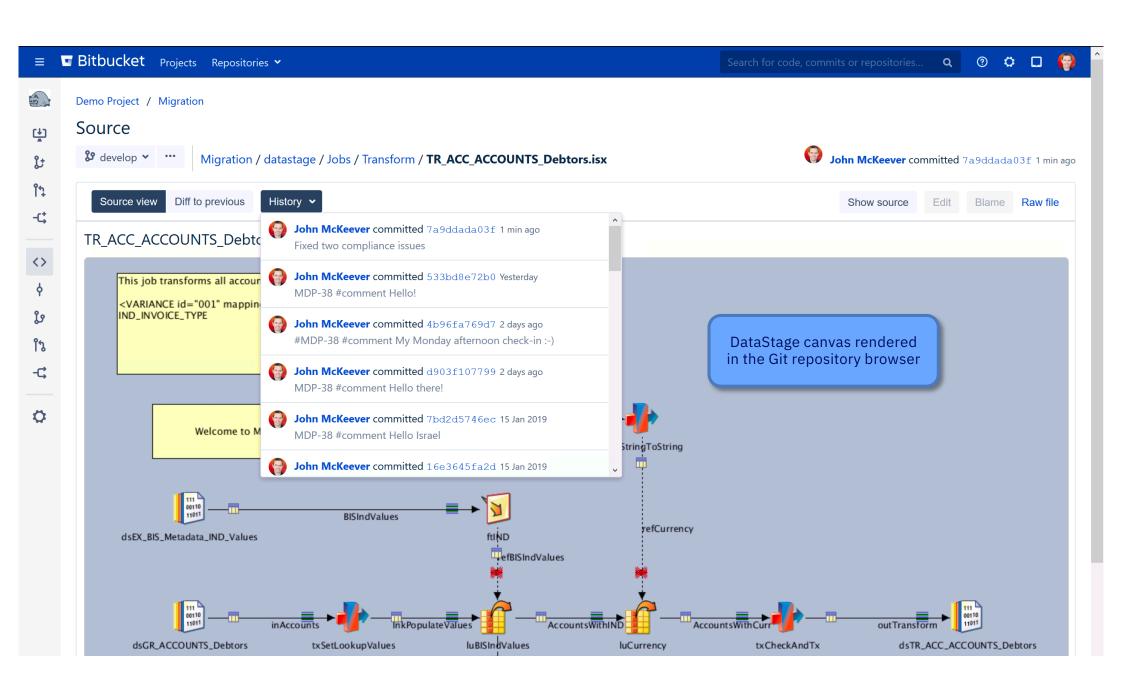




Git Integration Check in to any Git platform from DataStage Designer







Supported CI Build and Work Item Management Tools













servicenow



Thank you



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