



# BUSINESS INTELLIGENCE TEST AUTOMATION

**Ensure your business critical data is reliable and your Business Intelligence dashboards are up to business users' expectations.**

Kinesis CI provides a test framework that adds automated testing and continuous integration capability to your BI Server.

We produce quality automated testing tools for BI developers and analysts to save time and effort and reduce the high costs of repetitive manual testing, by shortening your BI development cycle and increasing reliability of your BI dashboards. Kinesis CI is a highly modular and flexible tool to cover your BI testing needs from A to Z.

Automated testing is key to increase productivity, eliminate regressions and maintain high quality of BI reports. Our testing tool can be integrated with continuous integration services to make testing an integral part of your development workflow.



**Functional Testing**



**Regression Testing**



**Cross-Environment Testing**



**Performance Testing**



**Version Control**



**Continuous Integration**

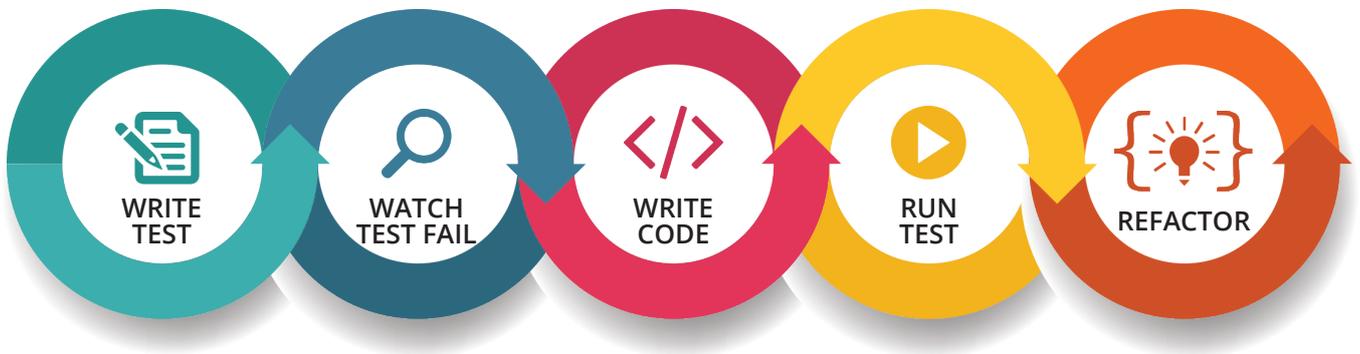
**KINESIS CI IS NOW AVAILABLE FOR TABLEAU**

# Testing Should be Part of Your BI Software Development Lifecycle

**Modern software development requires automated testing**

In most areas of software development, adopting CI and other agile methodologies have changed the way people test. Development teams are required to do more testing, faster and more often.

Testing is done earlier in the development lifecycle and the focus is on automated testing as developers try to move away from manual testing.



**Business Intelligence testing creates unique challenges**

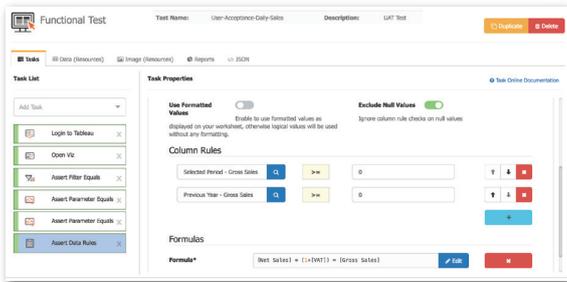
Testing Data Warehouse/Business Intelligence (DW/BI) applications is different from testing traditional transactional applications as it requires **data-centric testing approach** and you need to work with **third party BI tools**. The volume, variety and complexity of the data make it difficult to create robust test cases and specialized skills are required to execute data validation and verification process.

**Testing tools** and frameworks are typically designed for traditional programming languages and they **are not suitable for BI projects**. **Kinesis CI** is a testing tool **designed for BI projects** to cover all your testing requirements, including functional, regression and performance testing to implement **test driven development**.

**TEST DRIVEN BUSINESS INTELLIGENCE**

# Cover All Your BI Testing Requirements with Kinesis CI

## Key Testing Features

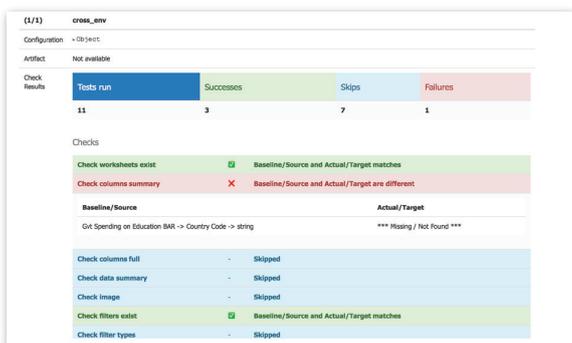
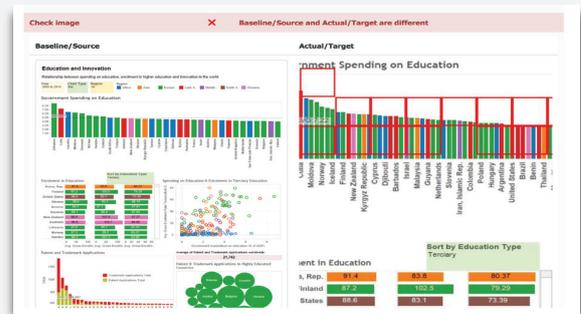


### FUNCTIONAL TESTING

Test the components of your dashboards, like filters, parameters and layout. Validate data by comparing data displayed on your dashboards to expected data sets, against user defined rules or directly to your underlying database. With Functional Testing you can simulate complete user journeys on your dashboards.

### REGRESSION TESTING

Compare the actual status of a Tableau dashboard to a baseline of the same Tableau dashboard taken earlier from your Tableau Server to verify unexpected changes. With regression testing you can validate data columns, data, layout, filters & parameters.

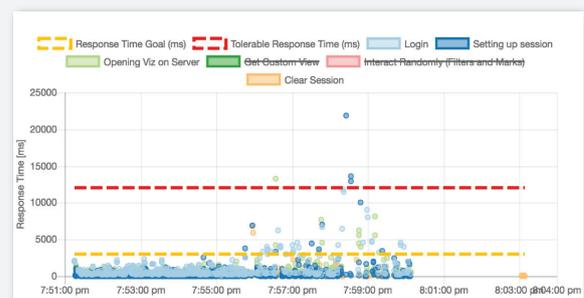


### CROSS – ENVIRONMENT TESTING

Compare the actual content of a Tableau dashboard in a given Tableau environment to the same Tableau dashboard on another Tableau environment. This can be a different site or server. Make Tableau Server upgrades faster and easier by automatically validating the content of the new server version to the old one.

### PERFORMANCE TESTING

Drive load to your Tableau Server and measure response time against SLA requirements, in your own environment. Determine capacity needs and accelerate long testing efforts for server upgrades and new releases and ensure SLA requirements are met at all times.



# Evolve Your BI Project to Agile

Business Decision Makers



## Production BI Platform

Release

### DevOps

Deploy fully tested dashboards automatically to Production with Continuous Delivery.



- Performance/ Stress Testing
- Testing BI Software Upgrades

Automated deployment /Continuous Delivery

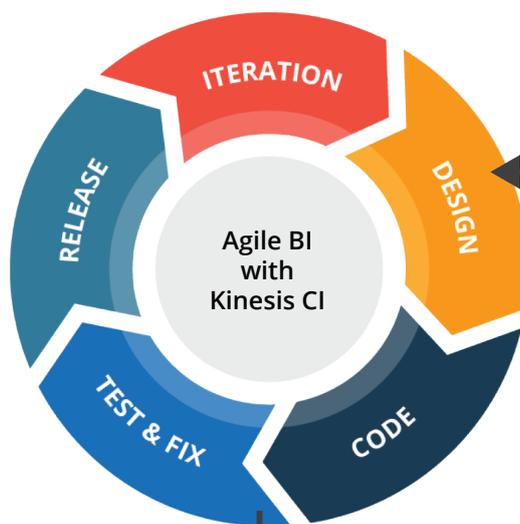
### QA

With Kinesis CI you can be on top of your data and ensure user requirements are met at all times. Detect issues immediately and locate them more easily.



- Regression Testing
- Integration Testing

Automating previously manual tests



Integrate newly developed dashboards or features regularly into a shared repository and verify with an automated build to identify any potential issues affecting your dashboards immediately.



### BI Developers

Integrate your tests with a CI pipeline in minutes and let it run all the testing jobs for you after every new commits or whenever you want to.



- Functional Testing
- Unit Testing

Test Driven Development

Notifying



Failing test



Passing test

Integration with Company Standard Software Development Tools

## Ready to test your BI dashboards?

Come and see a live demo or request a free trial on

- 🌐 [kinesis-ci.com](http://kinesis-ci.com) or email
- ✉ [contact@kinesis-ci.com](mailto:contact@kinesis-ci.com)

## About Kinesis CI

Kinesis CI is an innovative company pioneering automated testing and continuous integration in the BI space.

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