



AUTOMATED BUILD & TEST ^{BY}

Reach Global Consulting

TEST CALYPSO ON TIME, WITH
IMPROVED QUALITY AND REDUCED RISKS

AGENDA

- WHY DO SO MANY CALYPSO DELIVERIES FAIL?
- HOW TO DELIVER ON TIME AND WITHOUT ERRORS
 - REACH GLOBAL'S SOLUTIONS
 - A SUCCESS STORY

WHY DO CALYPSO DELIVERIES FAIL?



User and regression tests are time-consuming, expensive, prone to human error and require intense organisational effort



Calypso configuration is cumbersome, involves manual interventions/validations and requires a full-time release manager



As a result, deliveries are either slow and late or involve substantial regression risks

HOW TO DELIVER ON TIME AND WITHOUT ERRORS

BUILD AND MAINTAIN YOUR AUTOMATED ACCEPTANCE TESTS (AAT)

Using BUGGY, our Automated Test API & creating step-by-step scenarios

BUILD CONFIDENCE BY DEFINING AUTOMATIC TESTS TOGETHER WITH USERS

Substituting large test cycles with simple, test result revision tasks

MAINTAIN UP-TO-DATE CONFIGURATION

Using version control to manage configuration as you manage code

INSTALL YOUR SYSTEM DAILY

Using ACM, our Automated Configuration Manager to assure unattended & reliable installation

TEST YOUR DELIVERY CONTINUOUSLY

Combining our test & configuration tools to deploy & test the delivery automatically every day

TEST IT EVERYDAY!



BackUp of production
In your test environment



Deploy your test environment
New Calypso version



Calypso Development
New functionality
and automatic tests



Execute your AATs
Check the results



Install your configuration
Automated Configuration
Management

TWO EASY-TO-USE SOLUTIONS

DEVELOPED IN PARTNERSHIP WITH ONE OF OUR CLIENTS

Automated Configuration Manager

Organises your configuration & installs all Calypso components automatically



Automated Test API

Integrates with Concordion and accesses and acts on Calypso



OUR SOLUTIONS

- JAVA APPLICATIONS: FAST, RELIABLE, EASY TO EXTEND & MAINTAIN
 - ARE COMPATIBLE WITH NEW CALYPSO VERSIONS
- INCLUDE EASY-TO-USE TOOLS FOR BUSINESS & TECHNICAL ANALYSTS
 - CREATE IMMEDIATE ACCEPTANCE BY ALL PROJECT TEAMS
 - BUILD YOUR FIRST TEST CASE ON DAY 1!

ACM: AUTOMATED CONFIGURATION MANAGER

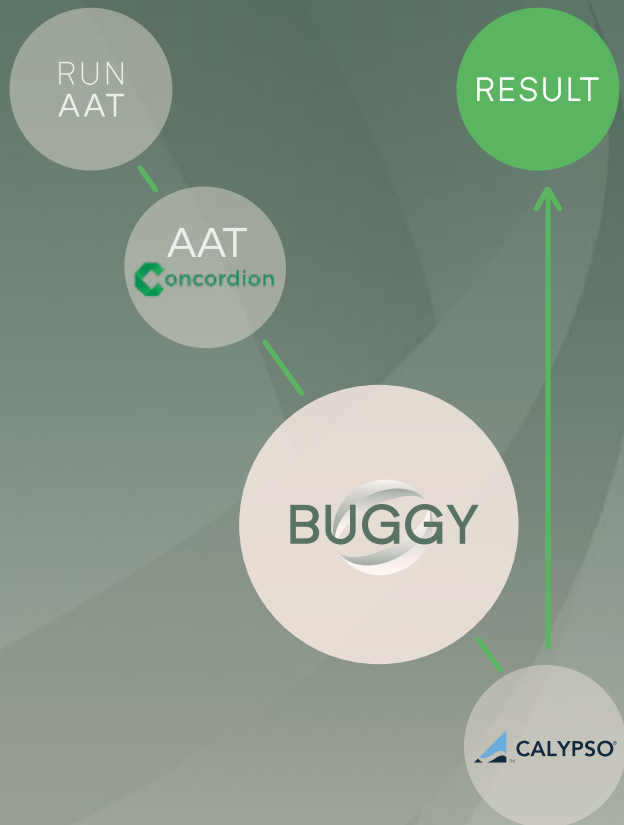


- Organise your configuration in the repository with the code
- Define dependencies between Calypso items to avoid errors
- Load all types of configuration items
- Control and inform status
- Extend the framework with new configuration item types

ACM: AUTOMATED CONFIGURATION MANAGER

- Define different configuration processes:
 - ↳ Basic, Advanced, OnlyCAM, etc.
- A configuration process is defined by phases:
 - ↳ CalypsoStarted, CAM, DataUploader, RemoveOldConfigAndData, etc.
- A phase comes with entry/ exit conditions and commandos:
 - ↳ AbortIfCalypsolsStarted, AddCustomIndexes, ClearCaches, ConfigureEngines, RemoveUnconsumedEvents, StopCalypso, etc.
- Define and generate your configuration process, check it automatically and install it.

BUGGY: AUTOMATED TEST API



- Load Trades via CDUF/CML
- Load/modify static & reference data
- Access all Calypso objects
- Launch scheduled tasks & generate events for engines
- Check & complete BO tasks
- Access different user groups & simulate user access rights
- Schedule waiting times to check engine processes

BUGGY: AUTOMATED TEST API

- HTML-based test scenarios are used as requirements and design documents
 - ↳ AAT become a natural step in the requirements-design-development cycle
- API fully documented and always up-to-date
- Extensive example test cases will kickstart your test project
- Reach Global Consulting expertise in automated testing included in the license

A SUCCESS STORY: BBVA UPGRADE CALYPSO BO FX/MM V13-V15

BBVA

- Project duration: 7 months
- Process of daily environment rebuild: 2,5 hours
- Daily execution of >400 regression tests : 1,5 hours
- Average development time for each test : 4 hours
- Estimated coverage of business processes with automatic tests >80%
- Executed UAT cycles/cycle period: 1 cycle of 2 weeks

A SUCCESS STORY: BBVA UPGRADE CALYPSO BO FX/MM V13-V15

BBVA

- Deployments are now controlled & replicable at any time without additional effort
- Time & effort invested in automatic acceptance tests
- Users are involved in test definition & validating results
- PROD regressions have decreased significantly



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