

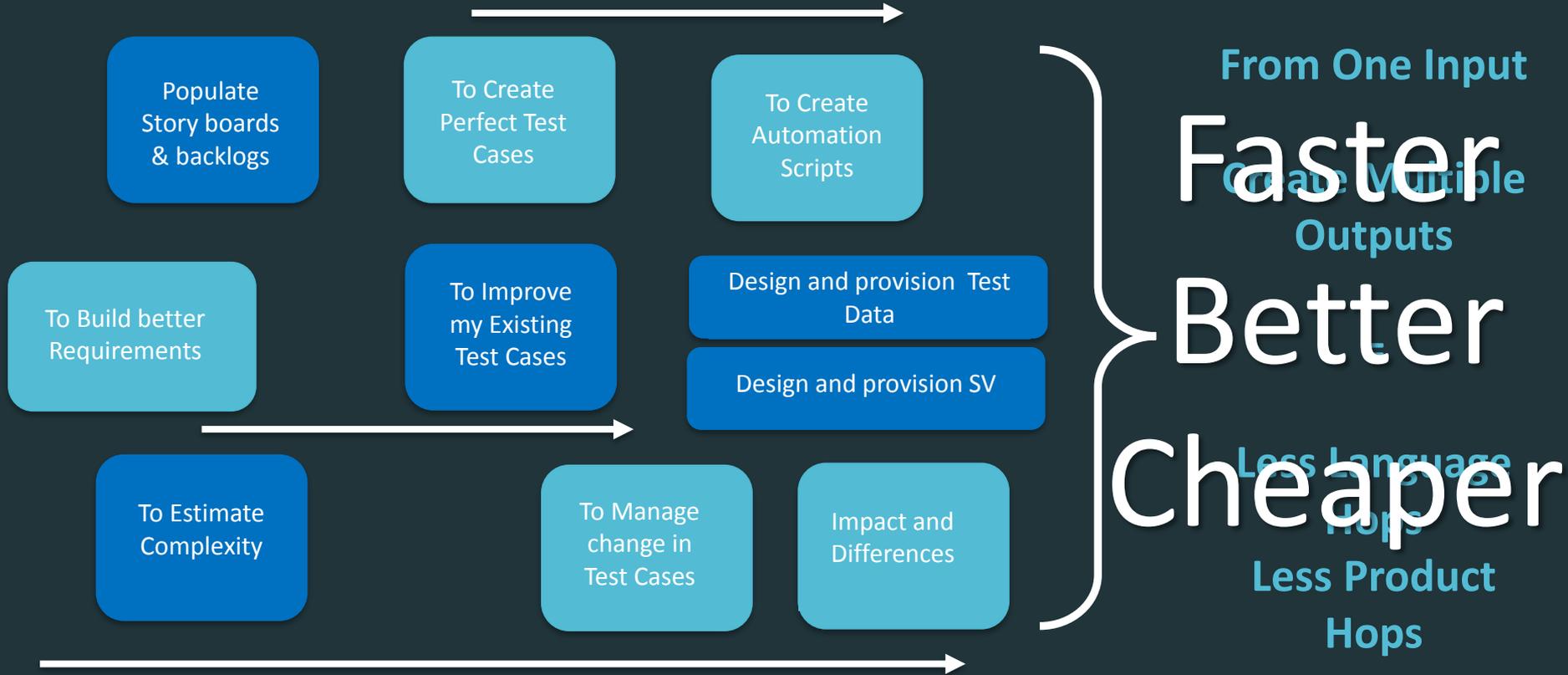
Requirements to Automation as Fast as Possible

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CA Agile Requirements Designer

28th February 2017



Requirements to Automation as Fast as Possible



CA Drinking Our Own Champagne

Using Agile Requirements Designer



KEEP
CALM
AND
DRINK YOUR OWN
CHAMPAGNE



Create Test Cases In

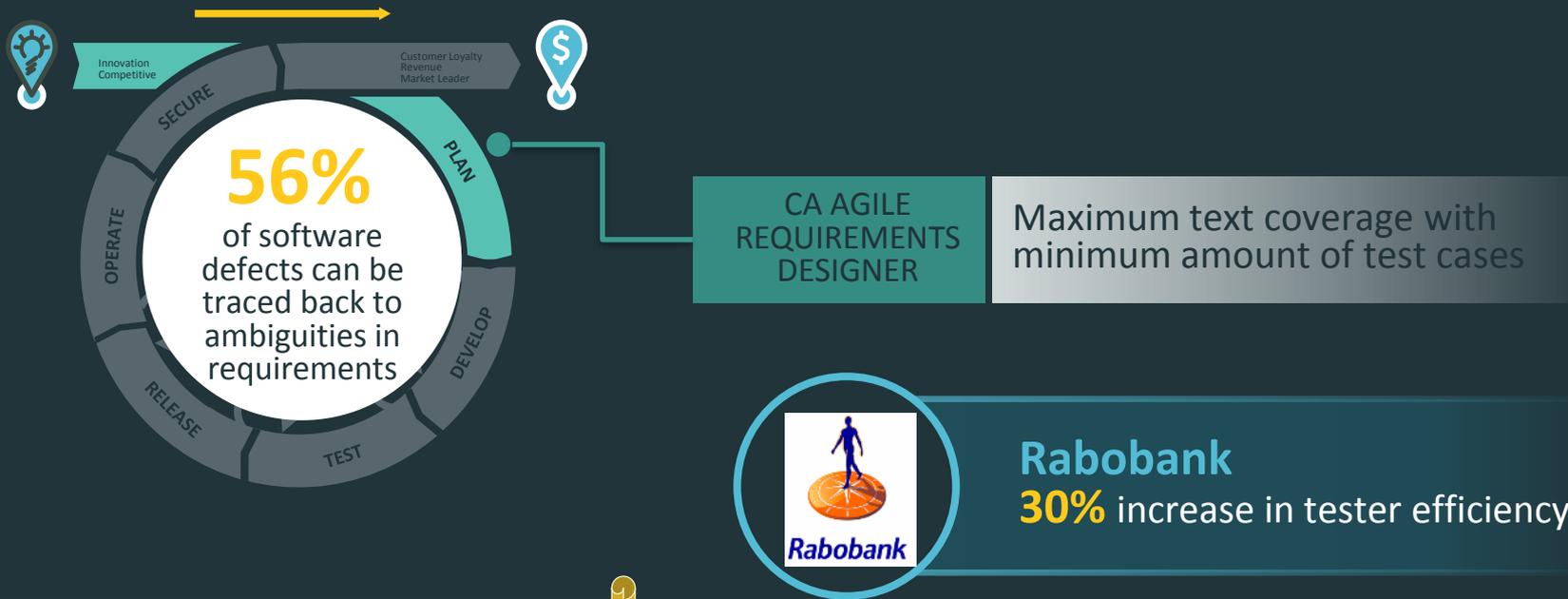
3 Days

Versus 40 Days Before



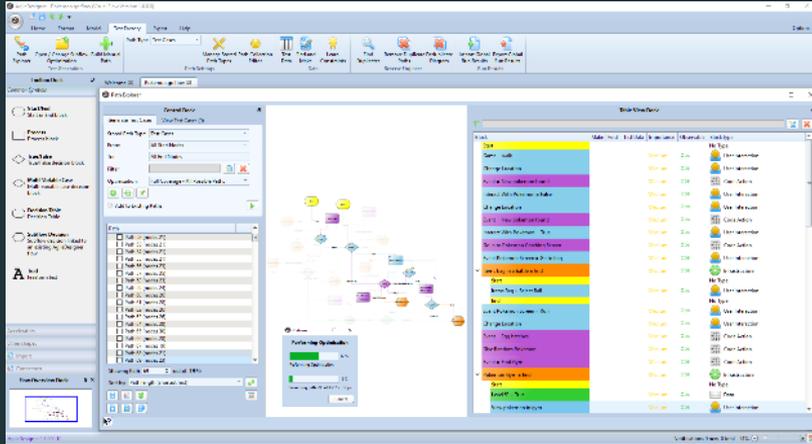
while improving
test coverage

Requirements to Automation as Fast as Possible



New CA ARD & SV integration allows point & click creation of RR pairs within ARD and published to SV for execution

Automate the Automation



Use Cases Collection:

- Generate Model-Based Users Stories & Requirements (ARD)
- Automate Test Design / Optimize Test Cases and Coverage
- Generate Automation from Model
- Link your tests with perfect data
- Quickly react to change

CA Product modules:

CA Agile Requirements Designer Workgroup + Automation Builder

Challenge

64% of Defect Cost originate in reqs phase

Hyderabad Business School GITAM University Quality Flaws: Issues and Challenges in Software Development 2012

ROI

95% reduction in time to create test assets

Estimations derived from analysis of benchmark data which is a composite from multiple sources.

Value Proposition

Automate maintenance of test assets following change

Integration Points

- BPM Tools
- AC/Jira/ALM/TFS
- Testing Frameworks

Customer Benefit Anecdotes

RBC Maintenance time reduced from 7.5 hours to 2 minutes

CGI-Fiko: Estimated 30% effort saved on managing data

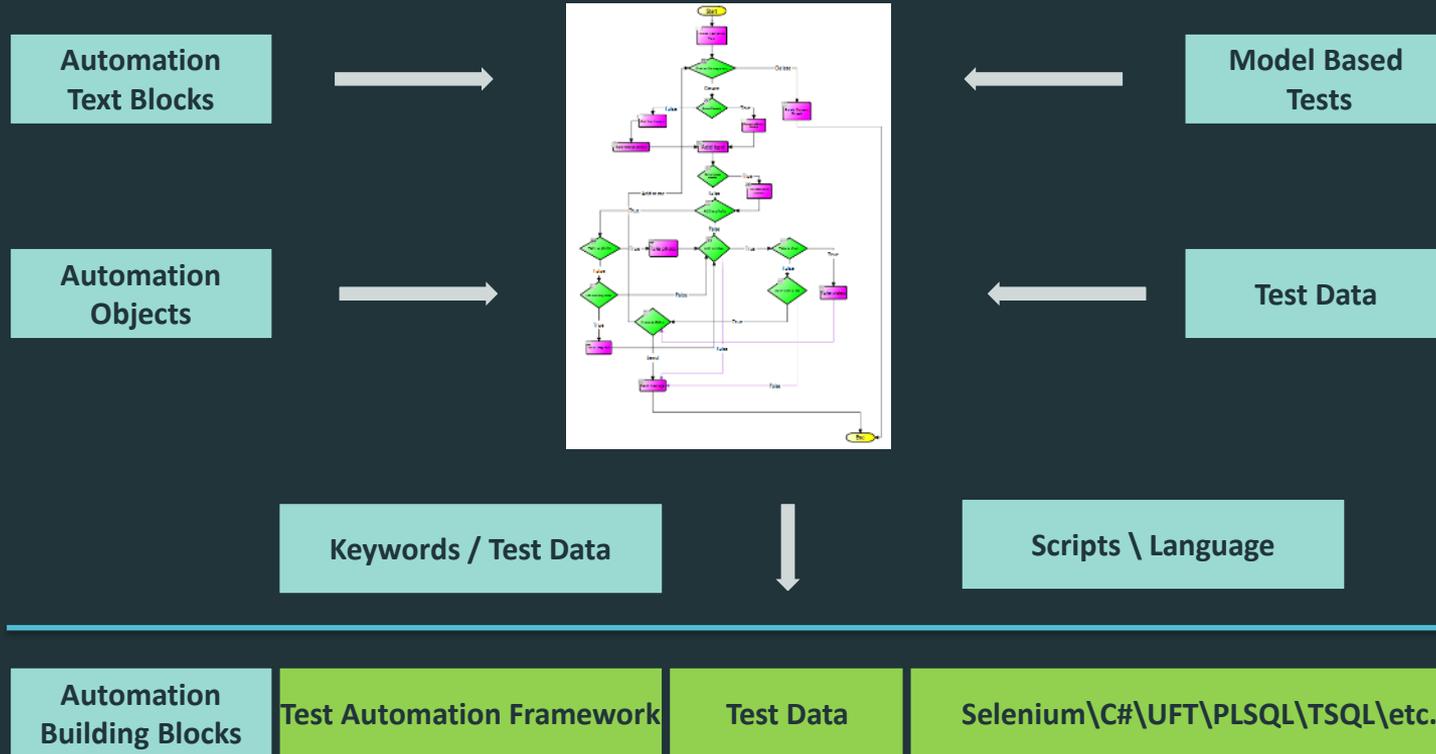
Rogers: 320% over-testing reduced

Large Credit Card Company: 16% to 100% coverage; 5 hour test creation time reduced to 50 minutes

Key Personas

BAs, QA Engineer, Test Automation Engineers

Automate the Automation



Toolbox Dock

Common Symbols

- Start/End
Start or End block
- Process
Process block
- True/False
True/False decision block
- Single-Variable Case
Single-variable case decision block
- Multi-Variable Case
Multi-variable case decision block
- Decision Table
Decision Table
- Subflow Decision
Subflow decision linked to an existing AgileDesigner flow
- Text
Freetext text

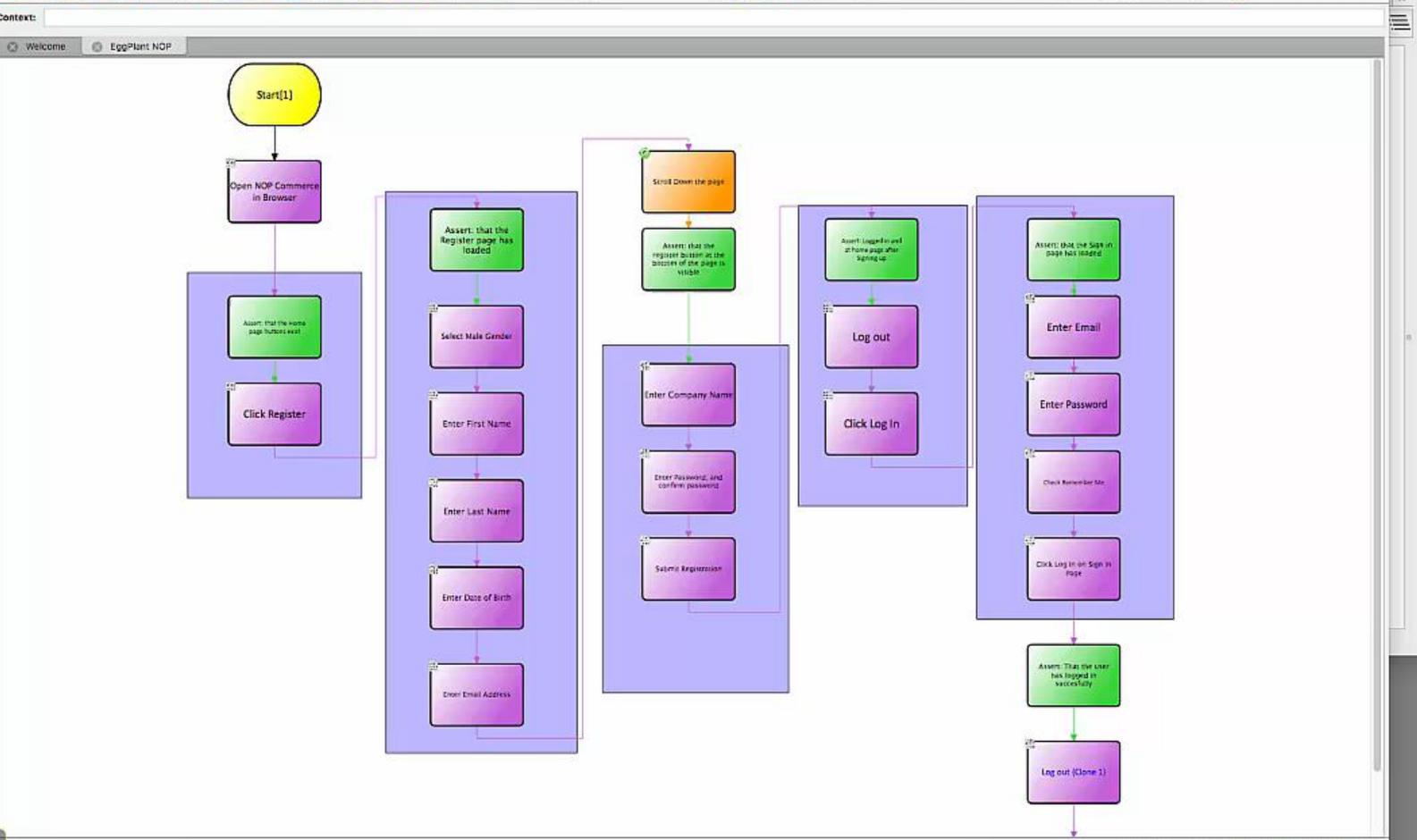
Accelerators

Other shapes

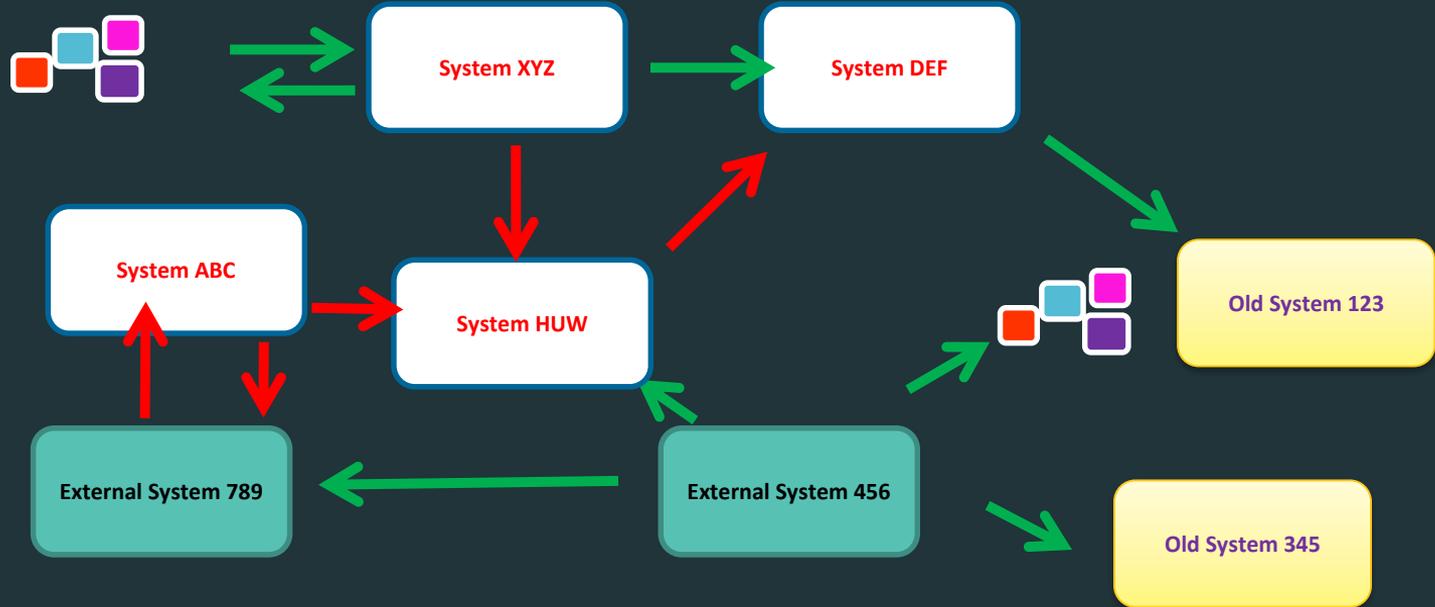
Import

Connectors

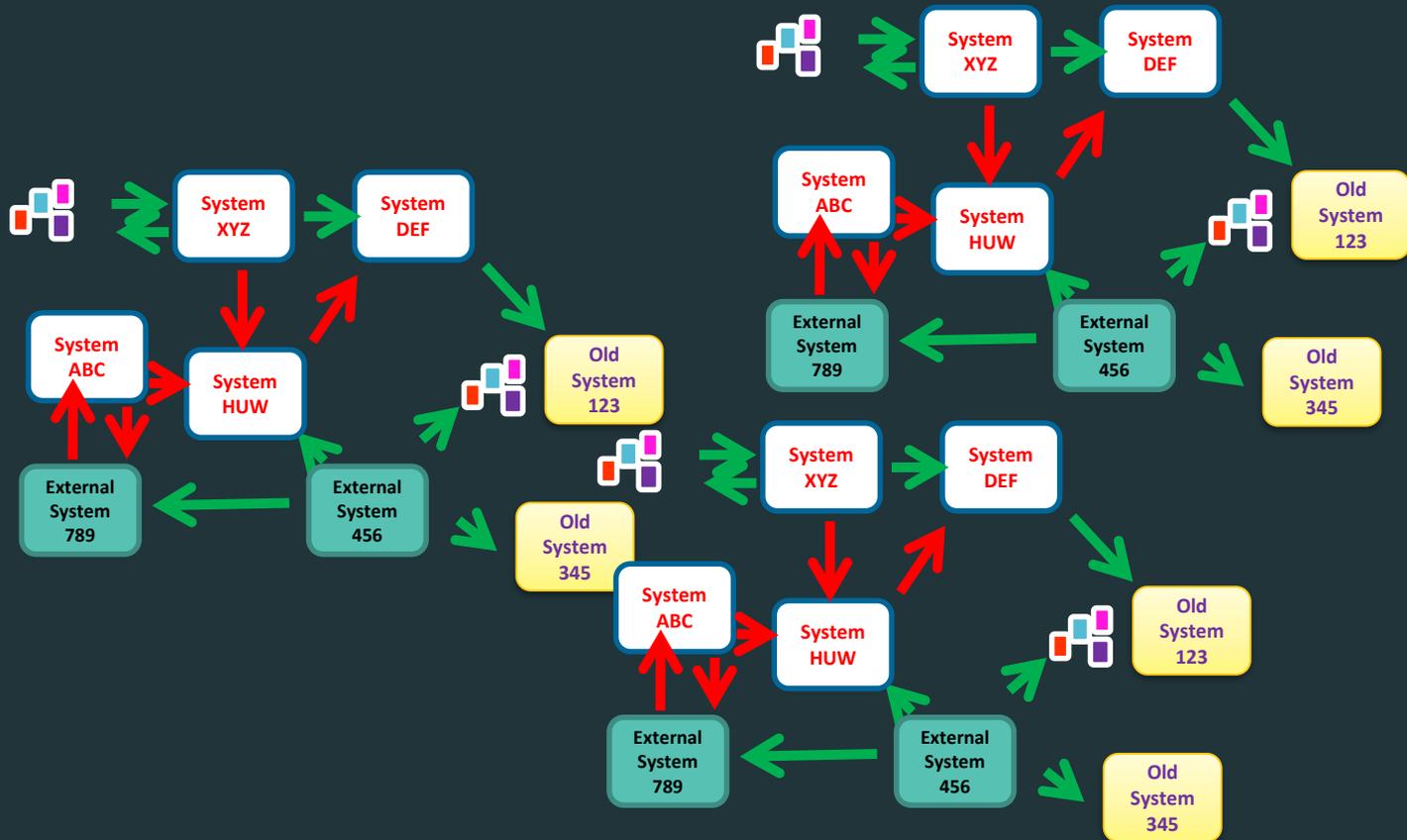
0:00 / 5:00



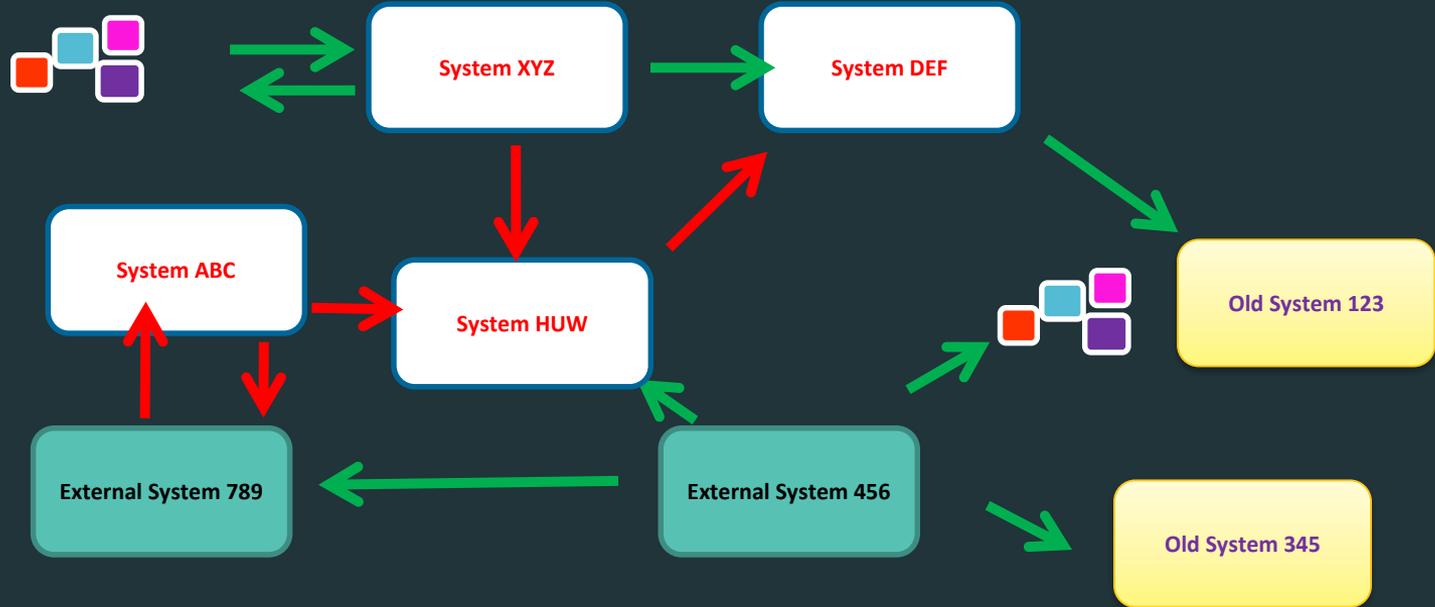
Complex system interrelations



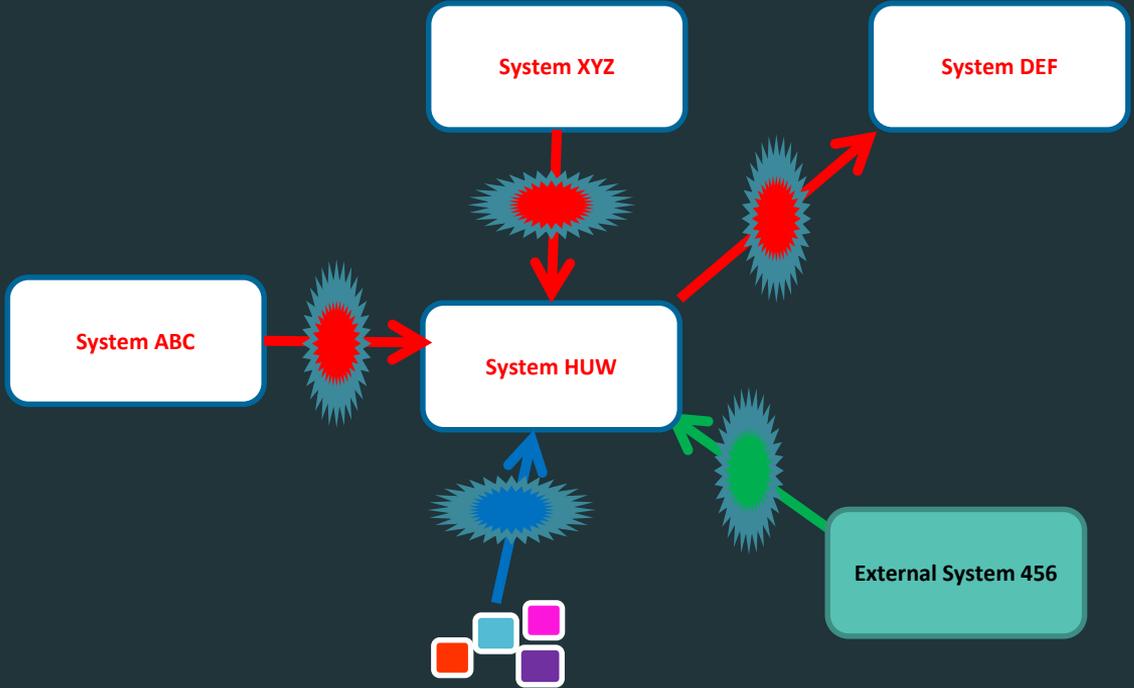
Complex system interrelations



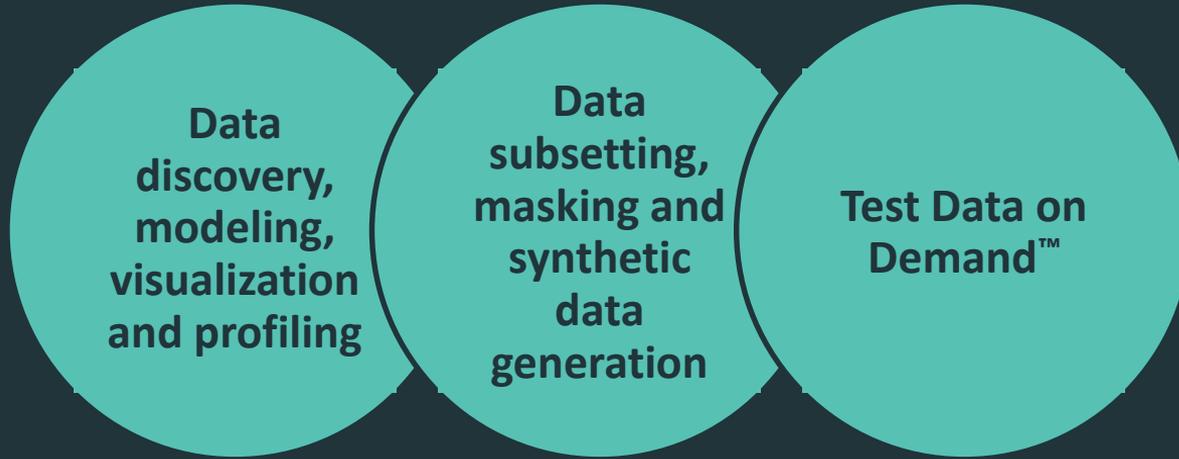
Complex system interrelations



Model of the transactional and database data



CA Test Data Manager



- Review data quality and data errors
- Measure coverage and identify gaps
- Discover relationships
- Identify sensitive data across all systems
- Identify future trends
- Eliminate manual data creation and masking
- Reduce costs and improve quality with short but rigorous test cycles
- Improve test coverage
- Share data across parallel teams
- Clone data as it's provisioned
- Enable self-service, on demand access
- Provide multiple outsources with secure data

ARAG Group

Customer success story

Ensuring data privacy while eliminating defects in production with CA Test Data Manager



CHALLENGE

Maintain data privacy and anonymize data used in a variety of settings—including test and development.

SOLUTION

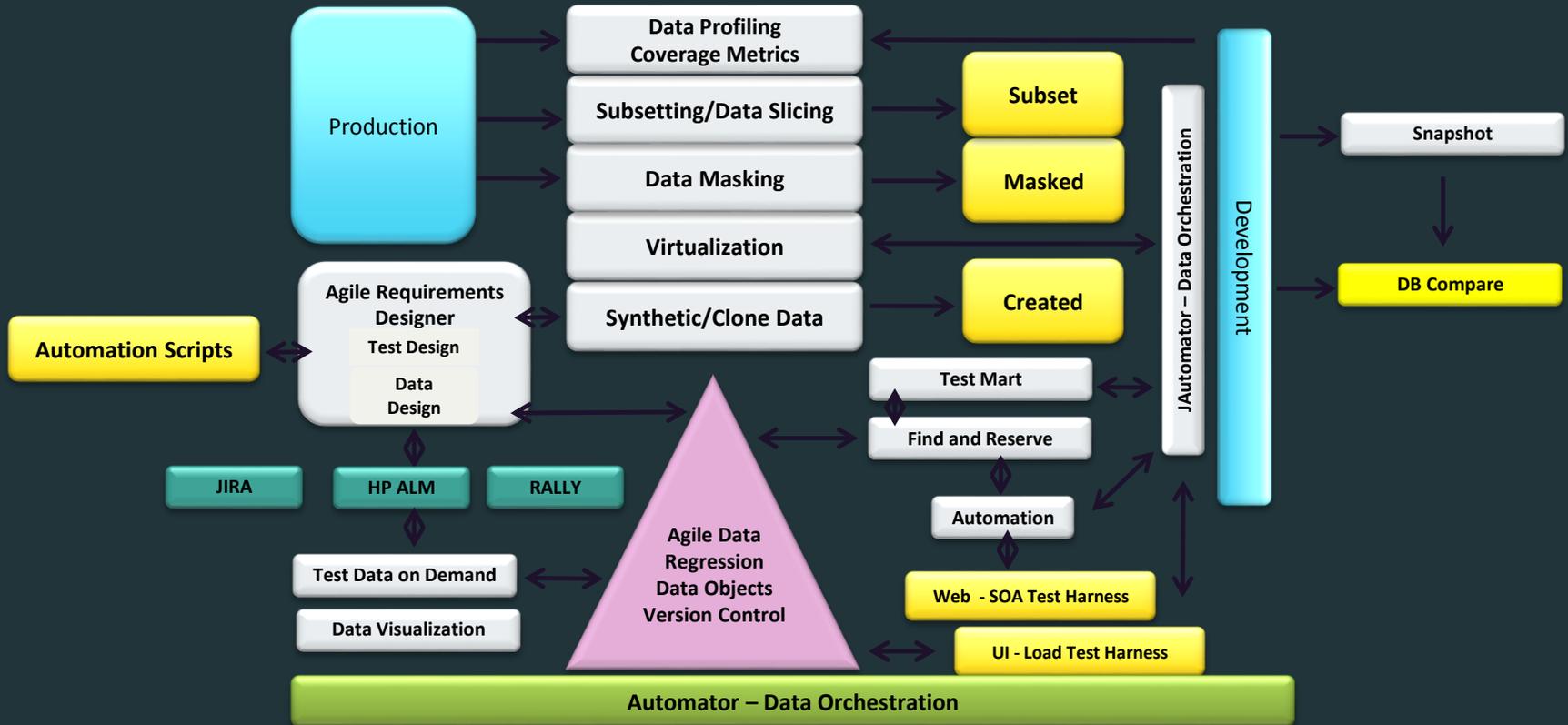
CA Test Data Manager

- Could create & manage test data that is both fit-for-purpose and of a high quality
- Significantly improved testing efficiency

RESULTS

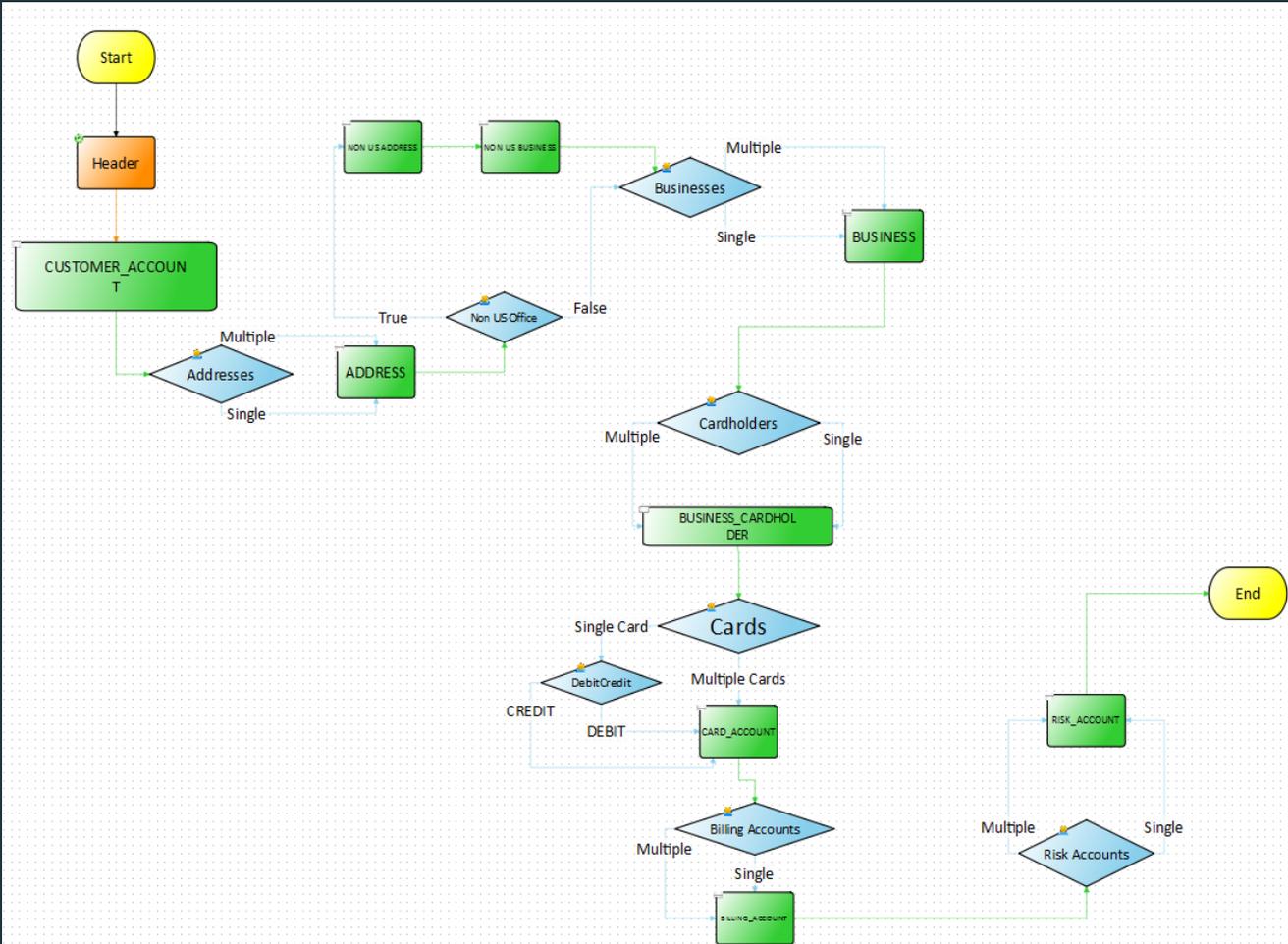
- The data solutions delivered to clerks are of a higher quality
- The data used to test those solutions complies with data privacy regulations

CA Test Data Manager

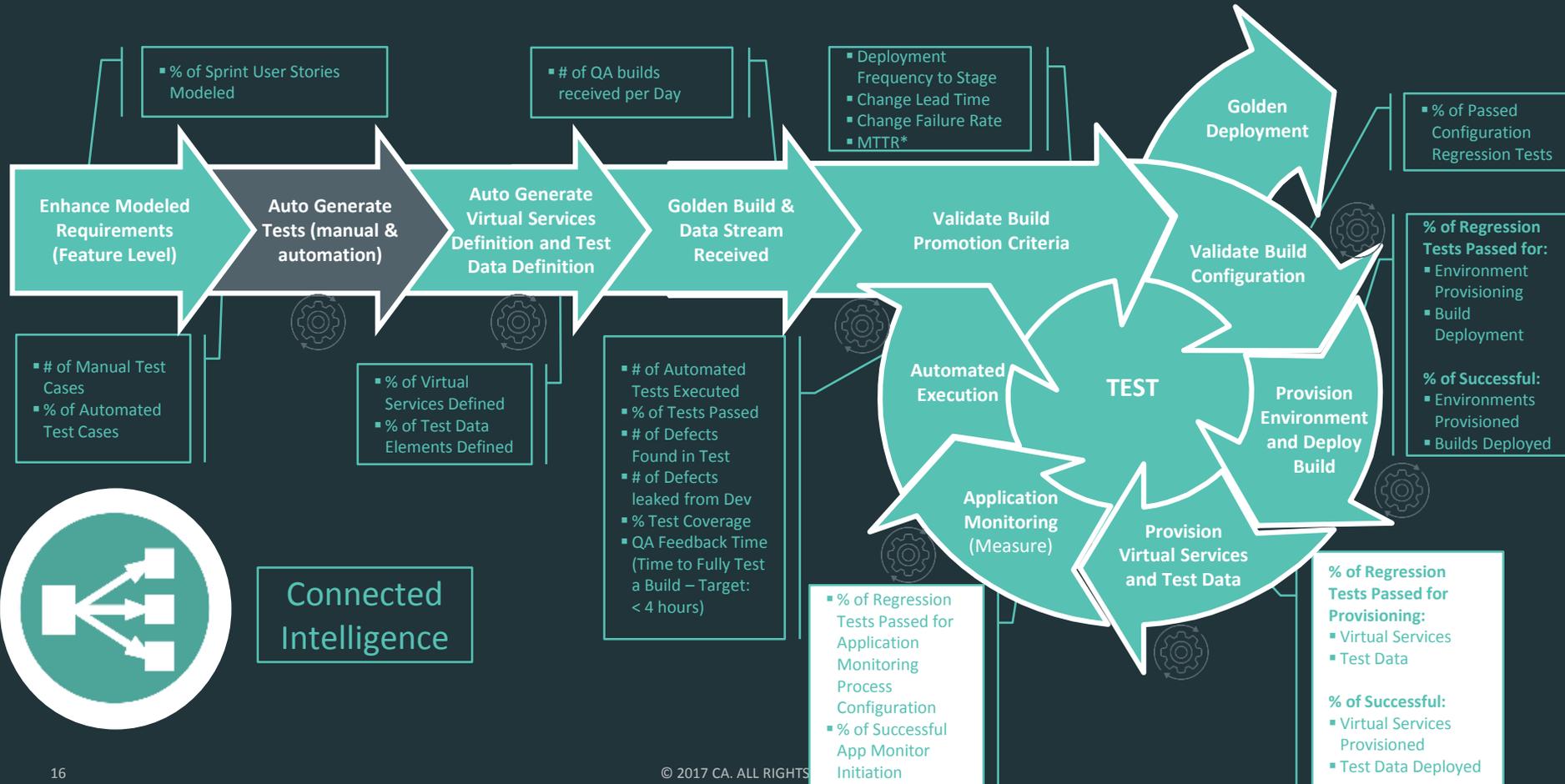


Secure, Find, Reserve, Make, Optimize and Automate Test Data!

DataBuilder – Data Modelling



Continuous Testing



Thank you!

