

Requirements to Automation as Fast as Possible

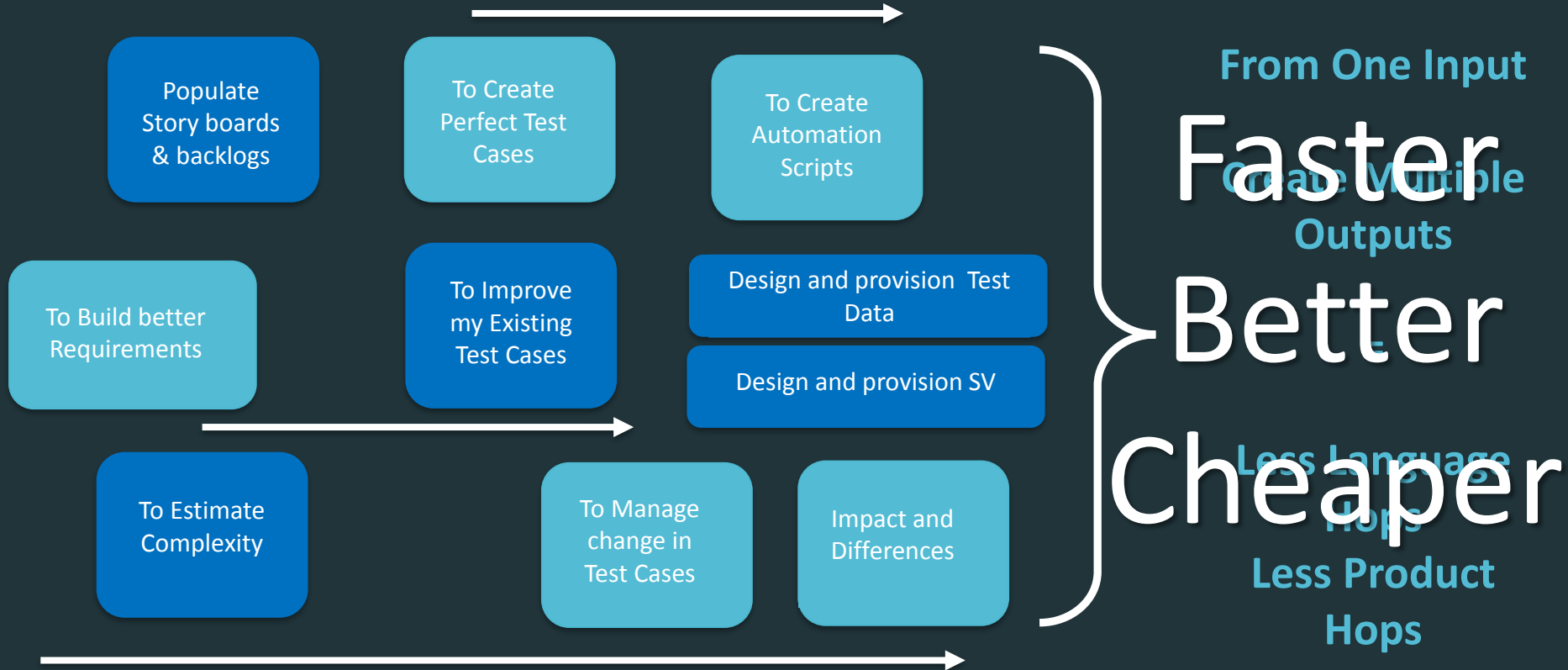
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Vice President of Application Delivery and Product Owner,
CA Agile Requirements Designer

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

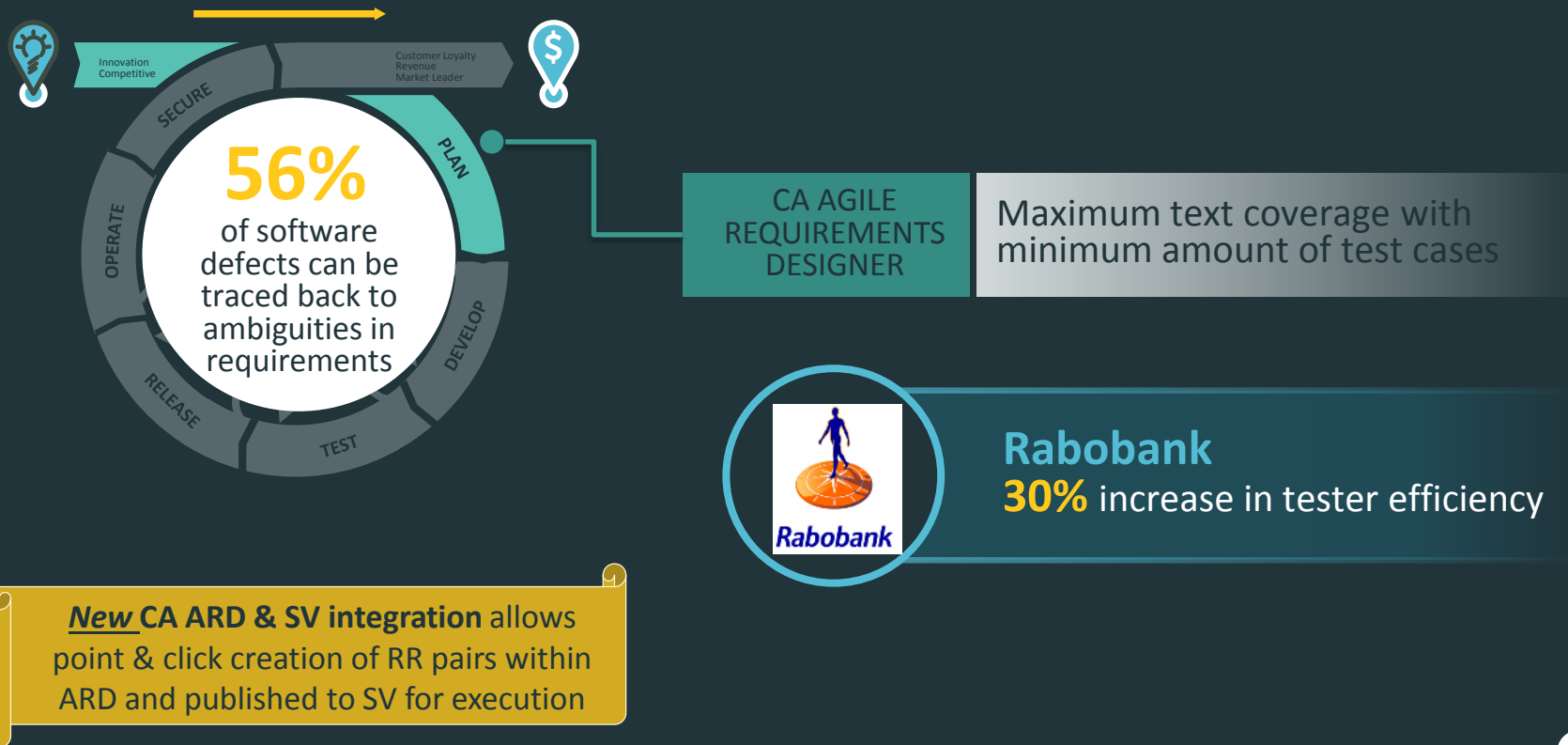
3 Days

Versus 40 Days Before

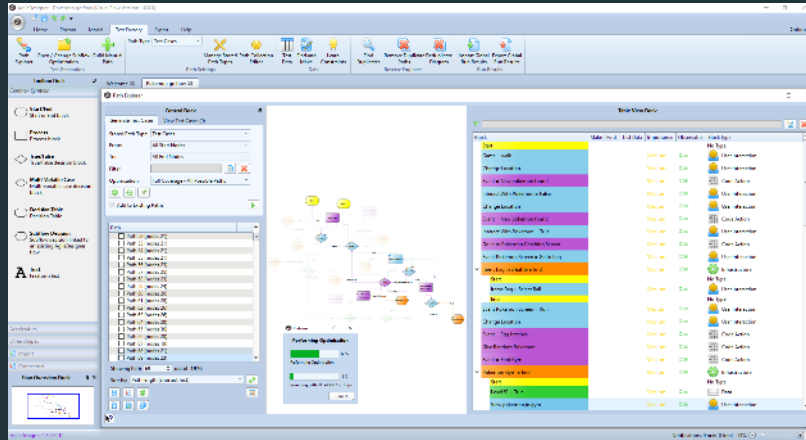


while improving
test coverage

Requirements to Automation as Fast as Possible



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

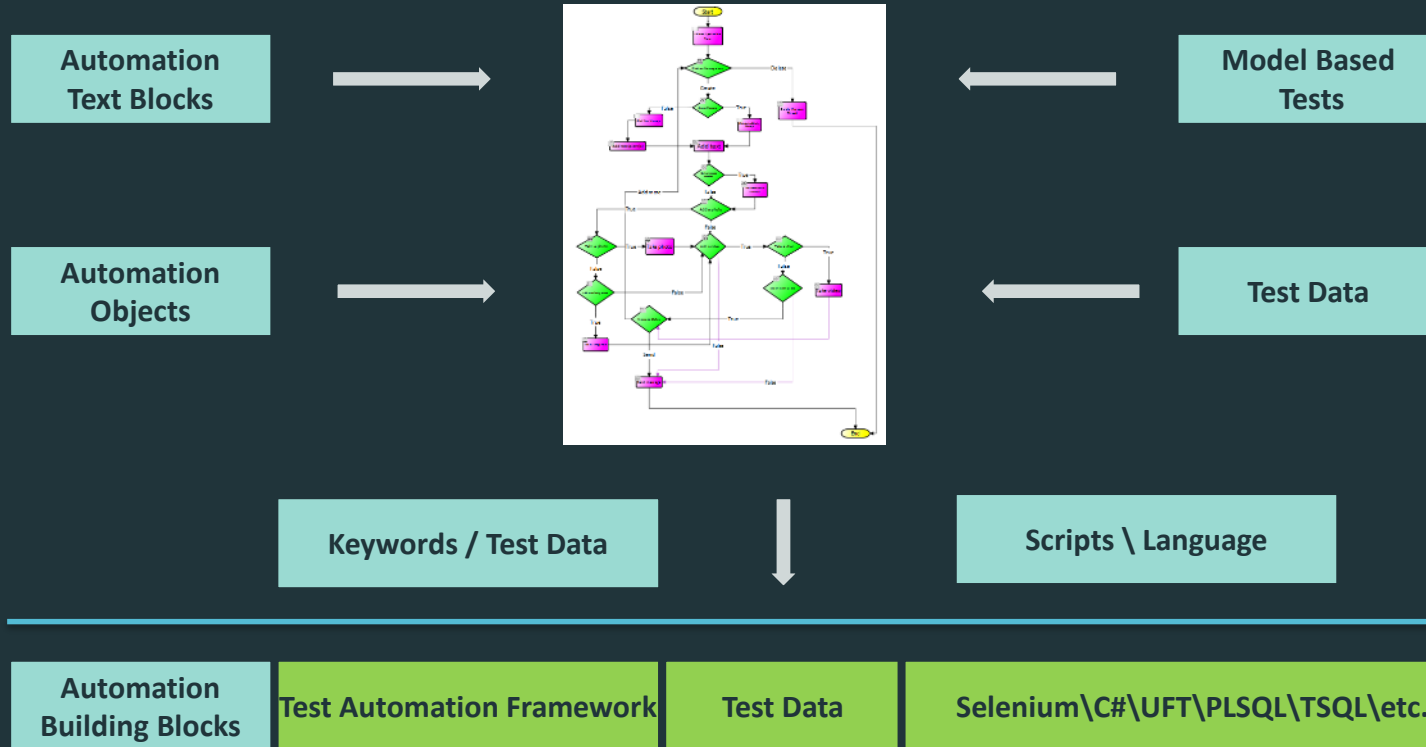
Rogers: 320% over-testing reduced

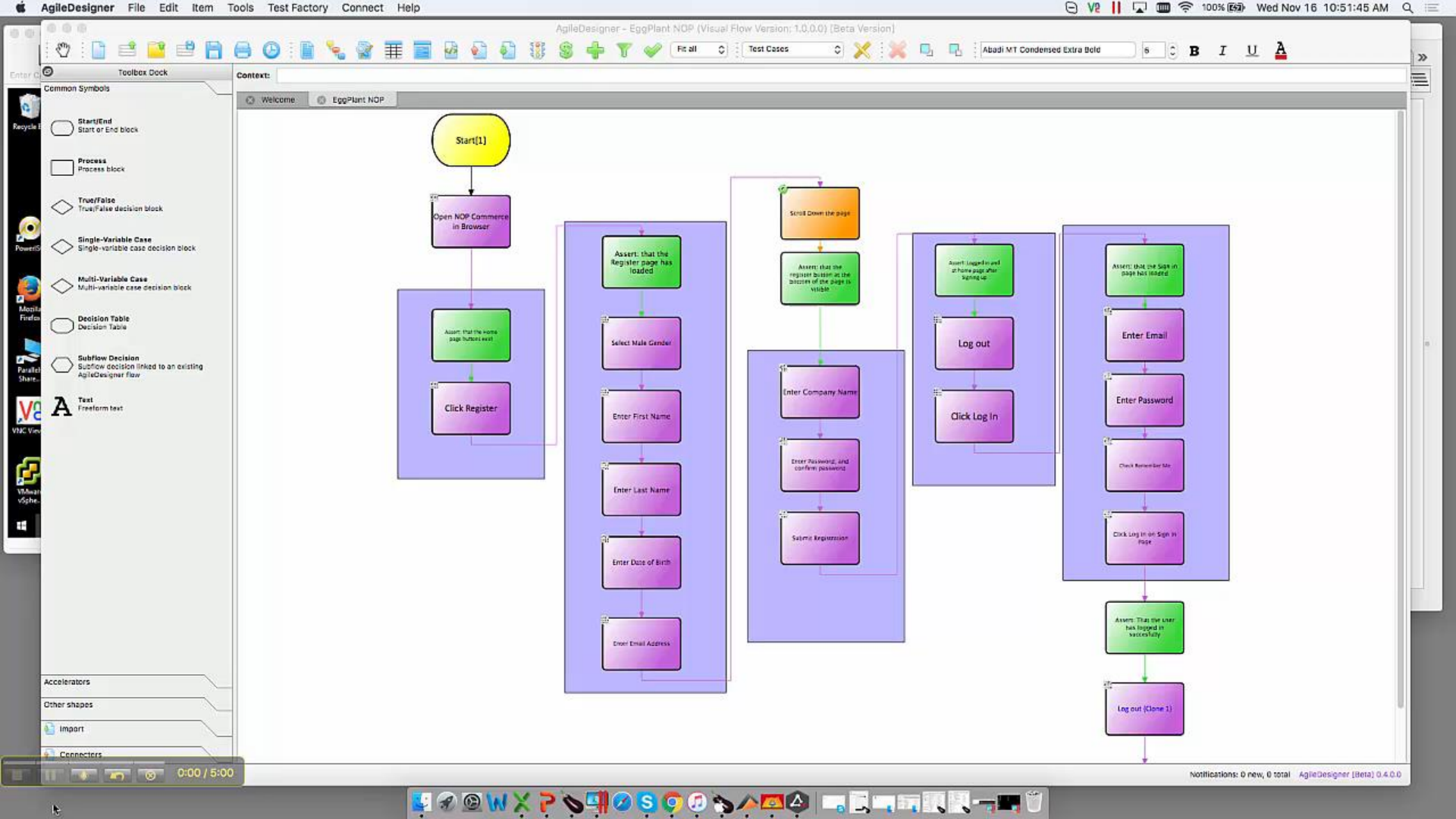
Large Credit Card Company: 16% to 100% coverage; 5 hour test creation time reduced to 50 minutes

Key Personas

BAs, QA Engineer, Test Automation Engineers

Automate the Automation





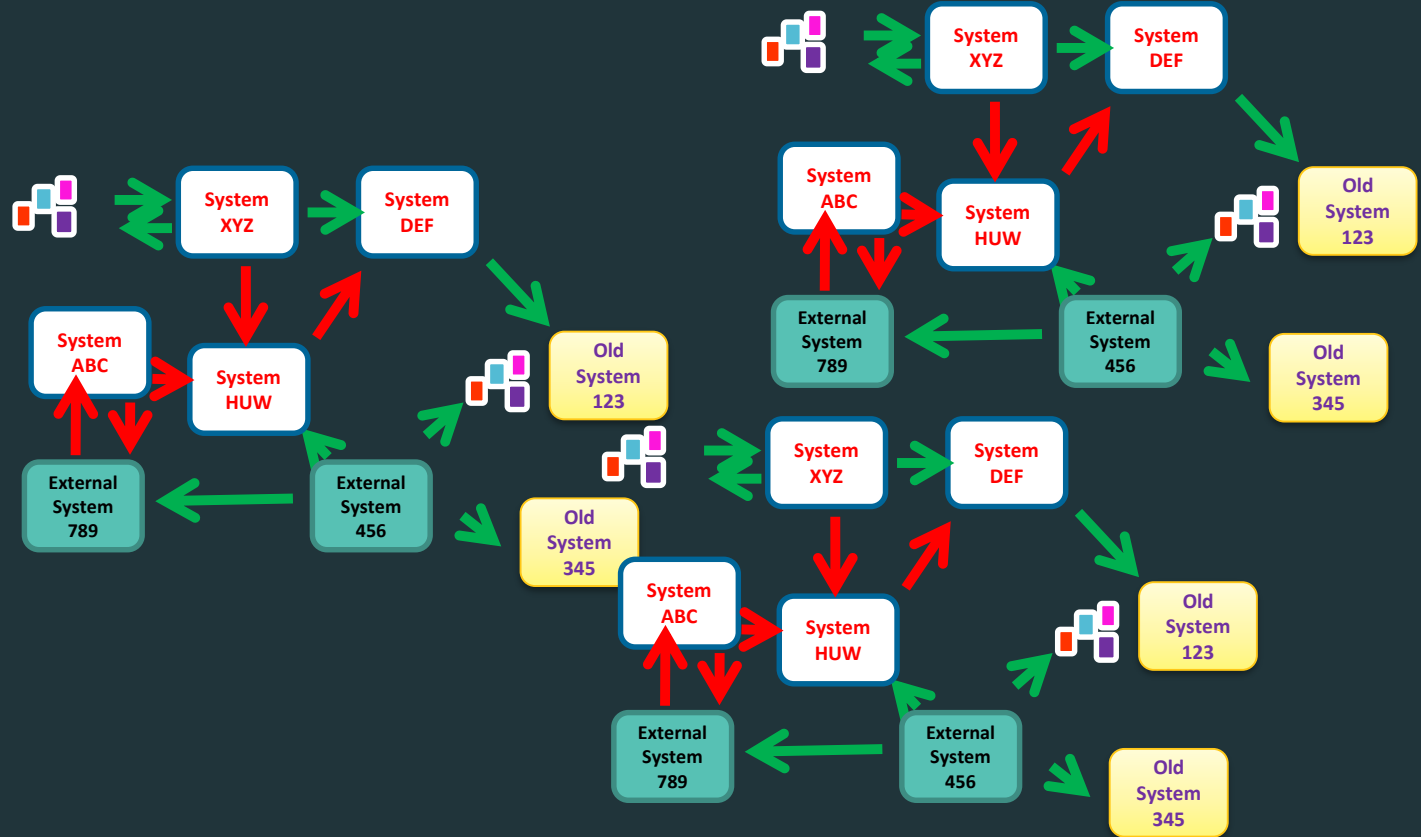
The diagram illustrates a system architecture with the following components and data flow:

- Systems (White Boxes):** System XYZ, System DEF, System ABC, System HUW.
- External Systems (Teal Boxes):** External System 789, External System 456.
- Legacy Systems (Yellow Boxes):** Old System 123, Old System 345.

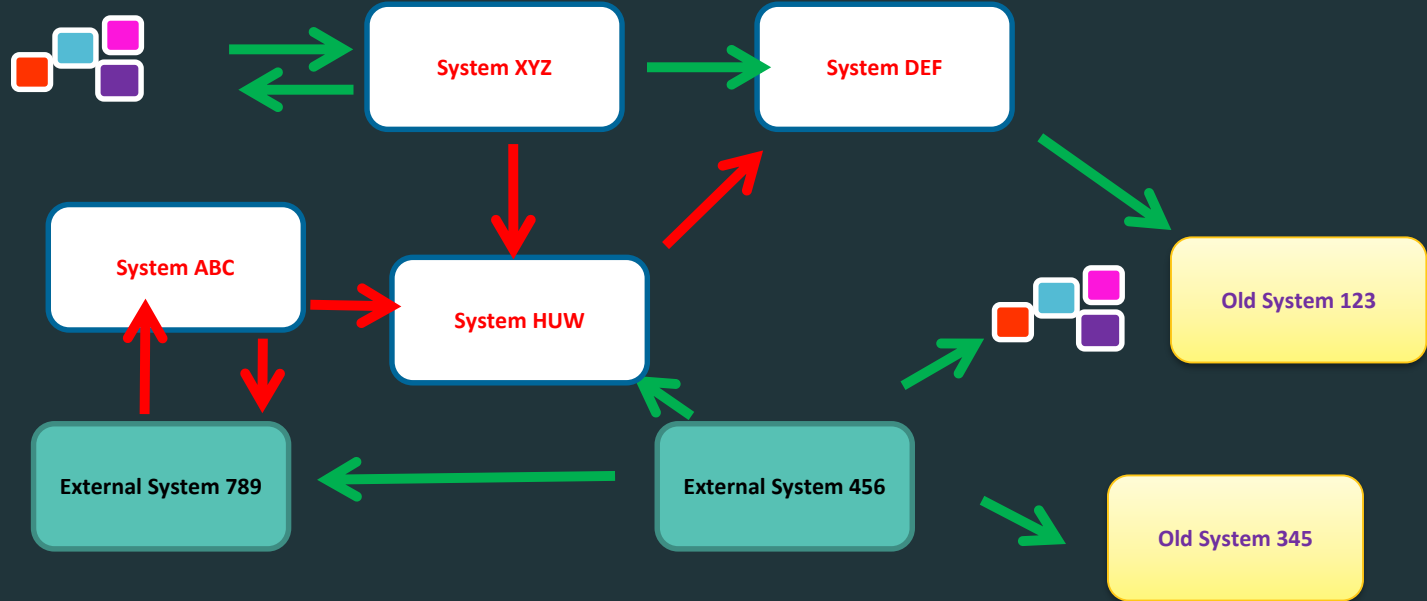
Data Flow (Arrows):

- Green Arrows:** Indicate primary or active data flow.
 - From a cluster of four colored squares (orange, light blue, pink, purple) to System XYZ.
 - Between System XYZ and System DEF.
 - From System DEF to Old System 123.
 - From External System 456 to System HUW.
 - From External System 456 to External System 789.
 - From External System 789 to System ABC.
 - From Old System 345 to a cluster of four colored squares (orange, light blue, pink, purple).
- Red Arrows:** Indicate secondary or specific data flow.
 - From System XYZ to System HUW.
 - From System HUW to System DEF.
 - From System ABC to System HUW.
 - From System HUW to System ABC.

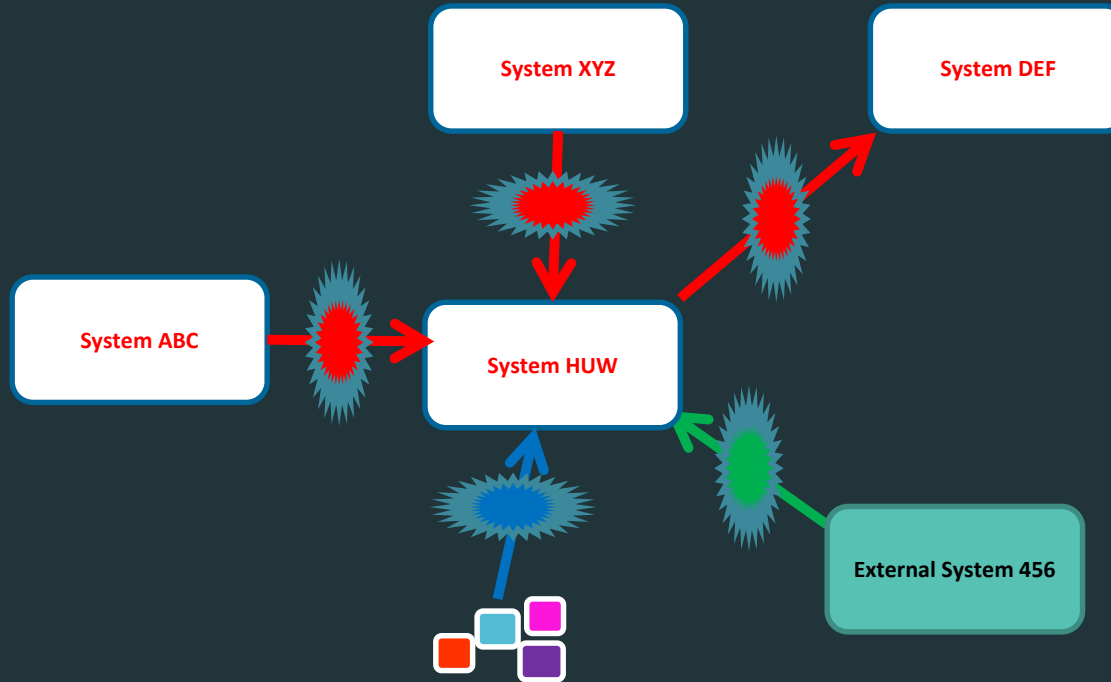
Complex system interrelations



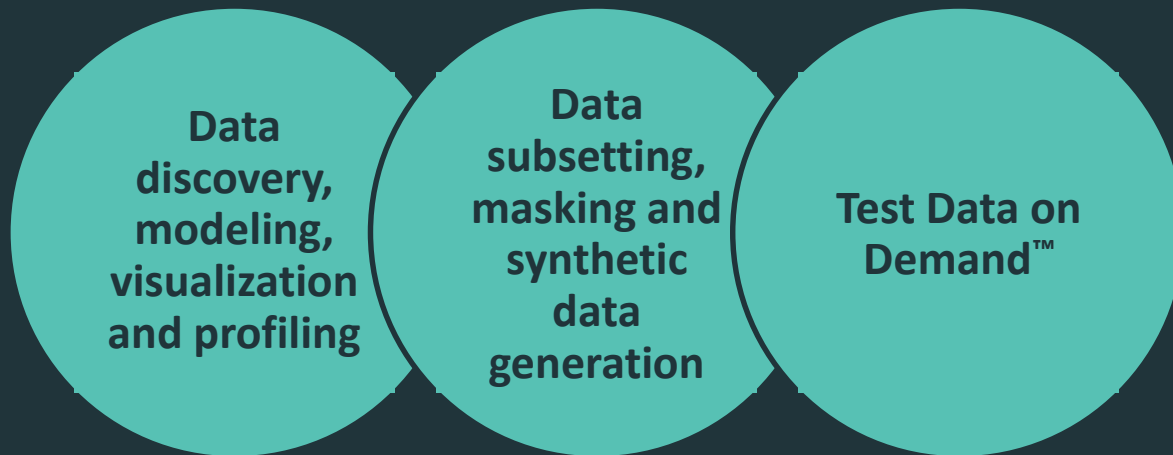
Complex system interrelations



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

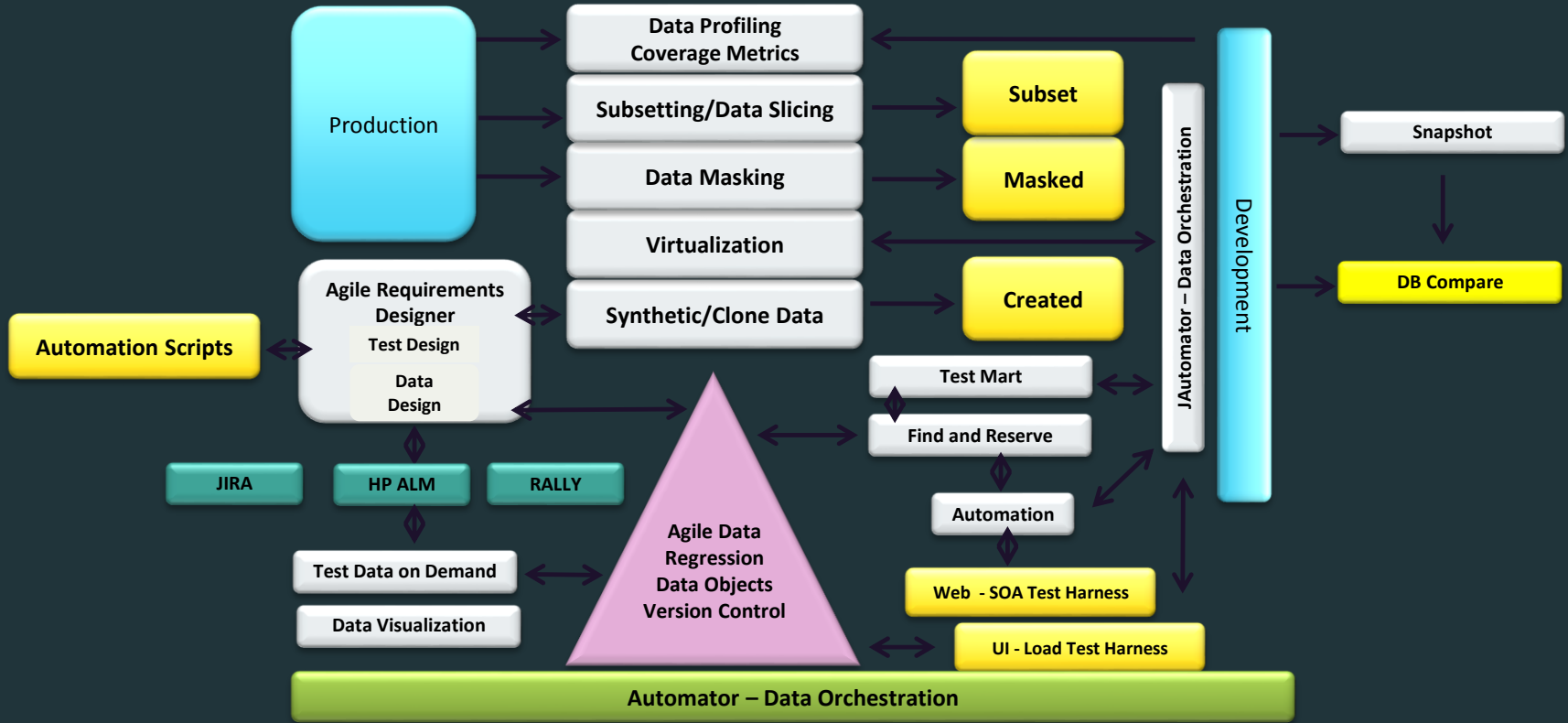
CA Test Data Manager

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

RESULTS

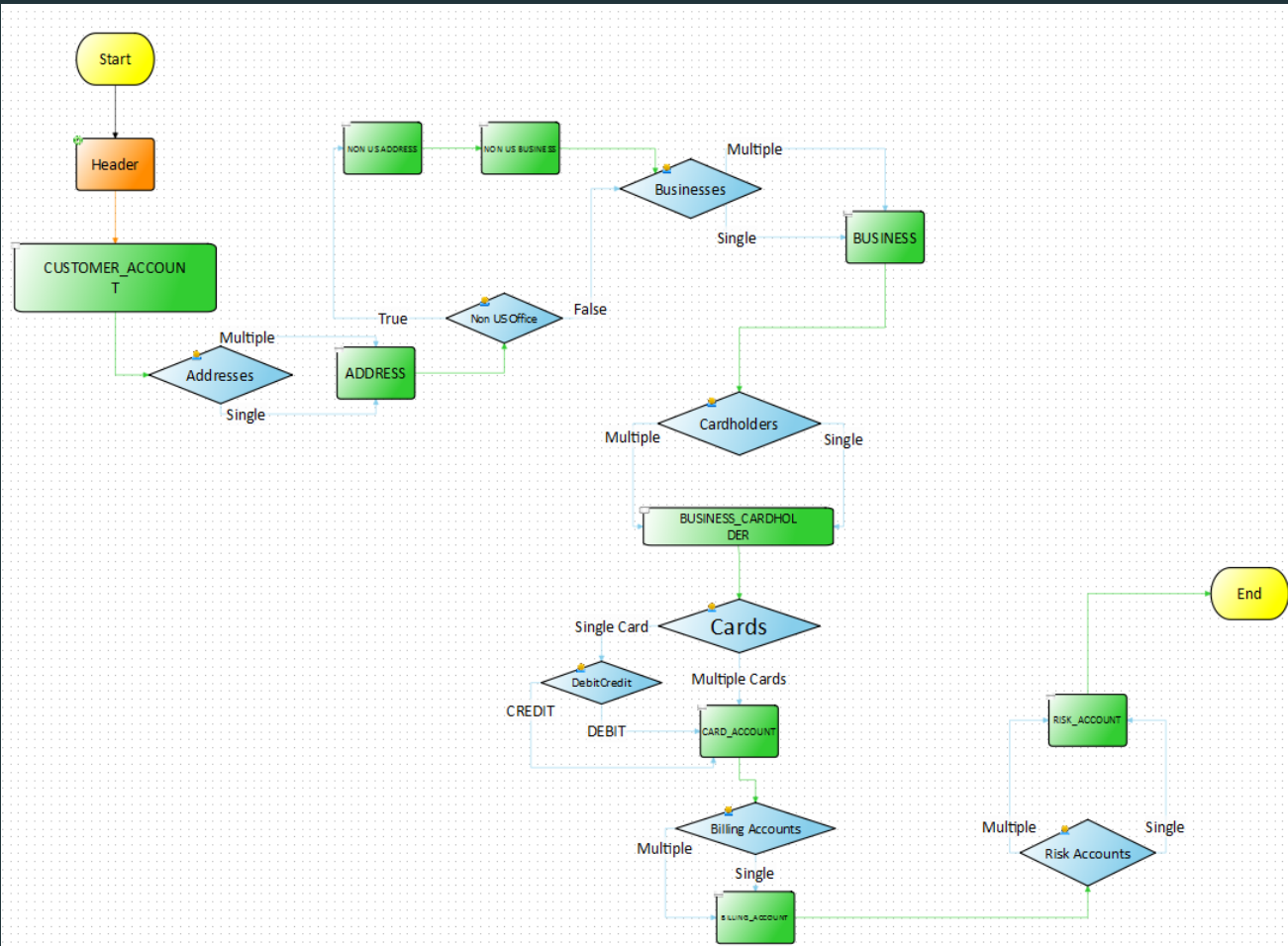
- The data solutions delivered to clerks are of a higher quality
- The data used to test those solutions complies with data privacy regulations

CA Test Data Manager

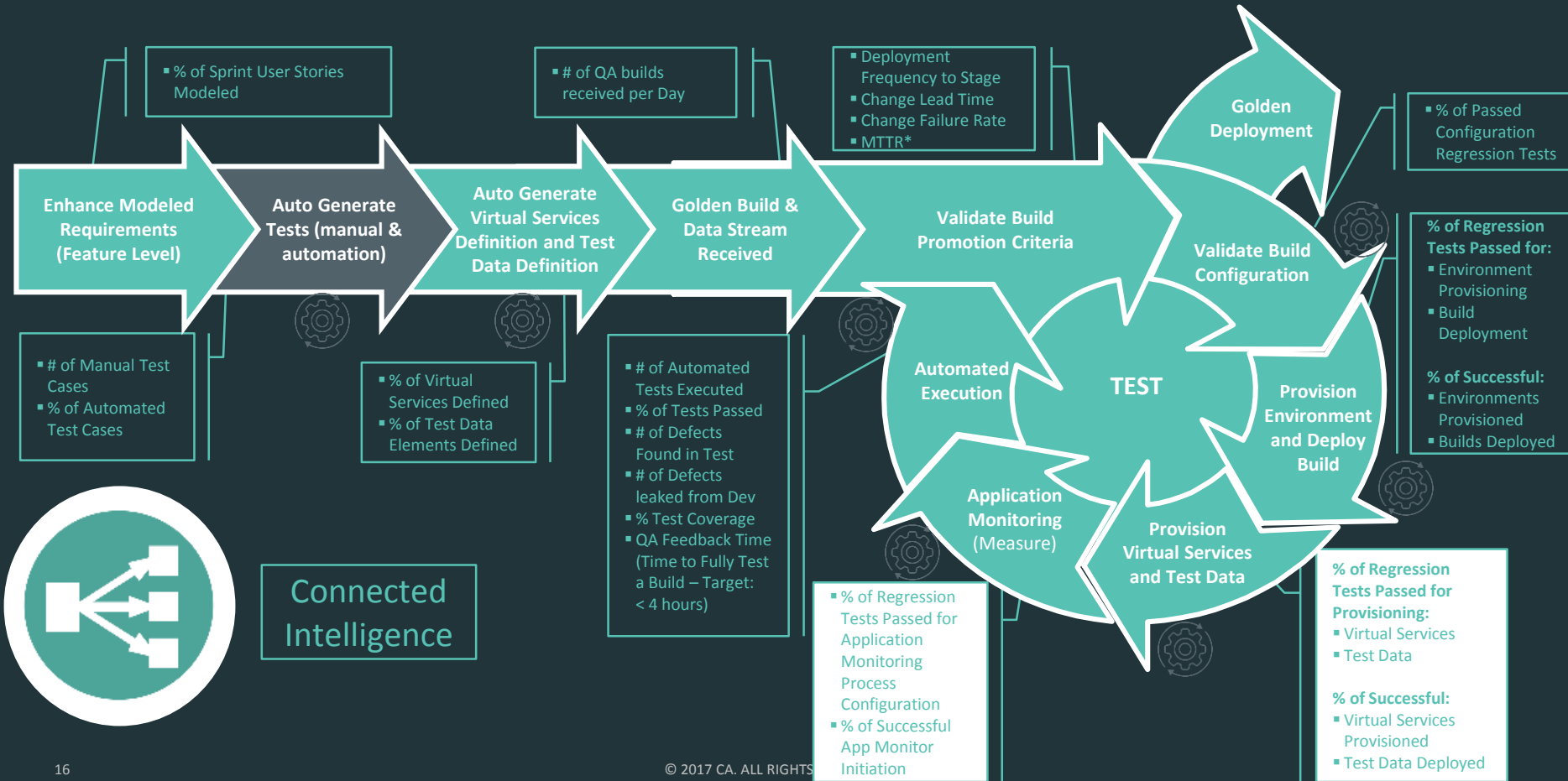


Secure, Find, Reserve, Make, Optimize and Automate Test Data!

DataBuilder – Data Modelling



Continuous Testing



Thank you!

