

# The History of Test Automation in Credit Suisse From DIY to a Standardised Service

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# Agenda

## About Credit Suisse

Evolution of Test Automation

Current Setup

Future Challenges

# Credit Suisse Group today – key facts

- **Global bank** headquartered in Zurich, serving clients in private banking, investment banking and asset management.
- **Registered shares** of Credit Suisse Group AG (CSGN) are listed in Switzerland (SIX) and as American Depositary Shares (CS) in New York (NYSE).
- Total number of **employees**: 50,100.
- The Group's **long-term ratings** are: Moody's Aa2, Standard & Poor's A, Fitch Ratings AA-.



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# Evolution of Test Automation

- 2008** Testing Specialists in CS PB (Credit Suisse Private Banking) were spread throughout the IT Organisation
- 2009** All Testing Specialists of CS PB Switzerland have been organised into a central Testing Organisation now called TS CH (Testing Services Switzerland), consisting of about 350 Testing Specialists
- 2010** (Almost) all Test Automation Specialists in TS CH have been centralised into one Unit

# Evolution of Test Automation

- **Advantages** of a centralised Testing Organisation
  - Independence
  - Synergies
  - Standards
  - Influence

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# Current Setup – Team

- (Almost) all **Test Automation** for Credit Suisse within Switzerland is **done by one team** of currently 15 Test Automation Specialists
- This covers:
  - Design and maintenance of automated test cases
  - Maintenance of test data
  - Execution of test cases

# Current Setup – Tools

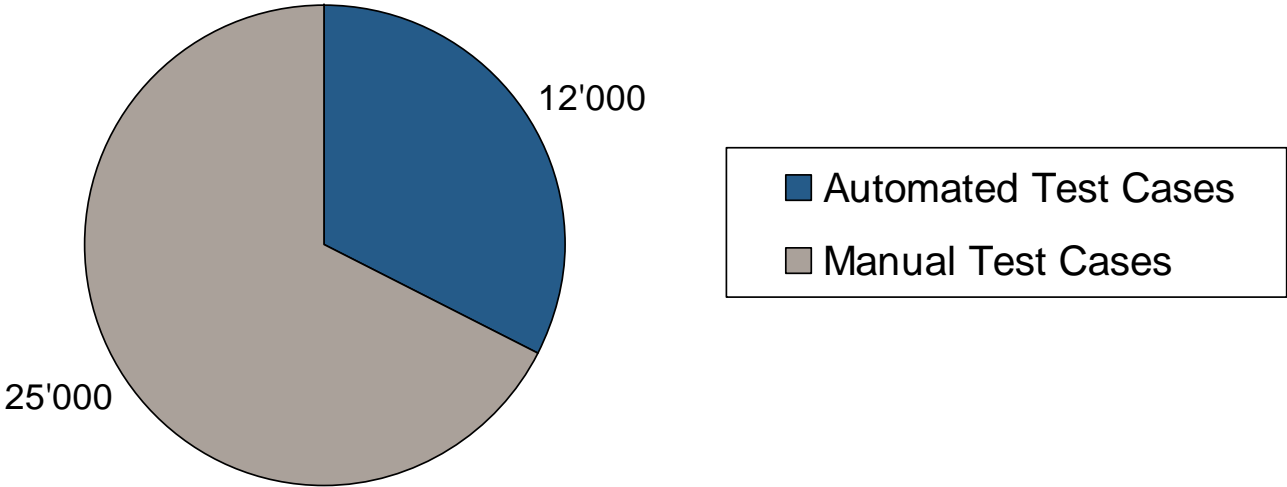
- **Continuous improvement** of Tools is a central part of our Test Automation strategy
- **Framework**
  - MARS (keyword driven)
- **Execution**
  - Hewlett Packard Quick Test Pro
  - Canoo WebTest
  - e3 T-Grid

# Current Setup – Technologies

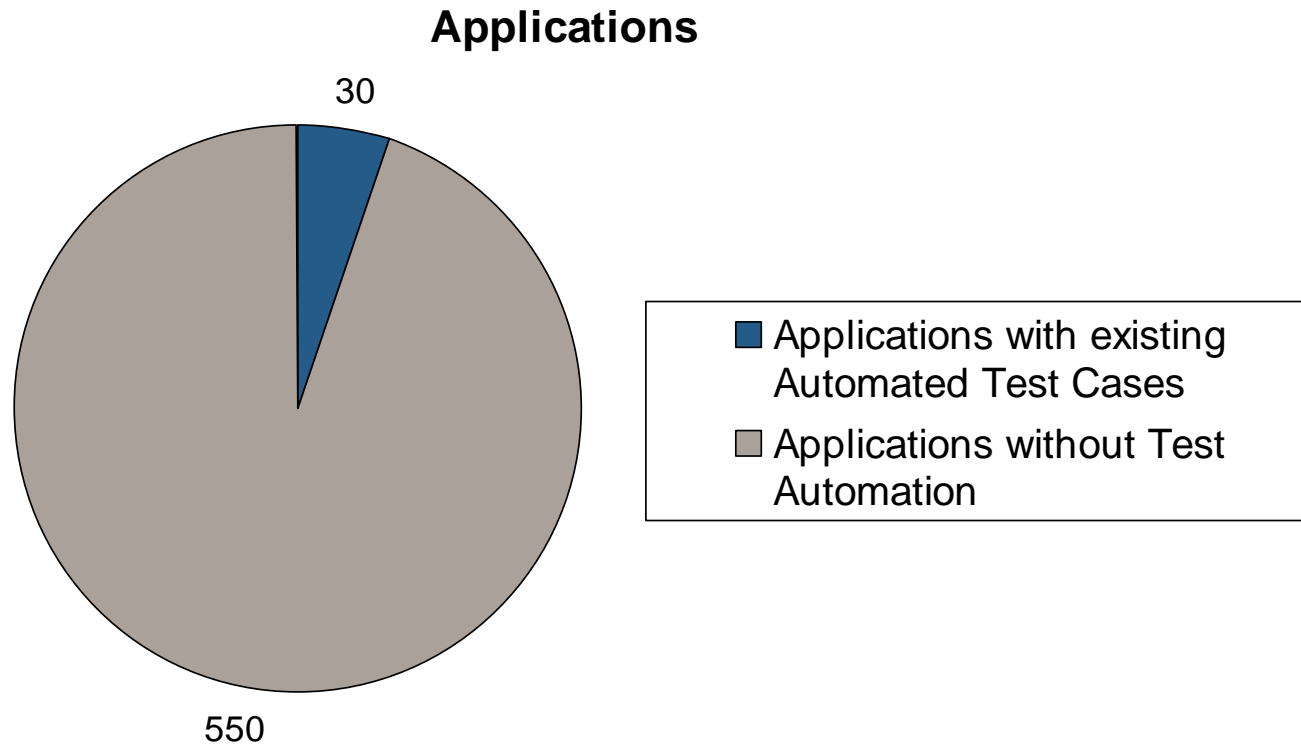
- **Technologies** of Systems under Test
  - HOST
  - Web-based
  - Java Clients

# Current Setup – Assets

## Test Cases



# Current Setup – Assets



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# Future Challenges

- **Increase** Test Automation Coverage
- Continuously **improve** tools
  - Integration into standard tool-chain
  - Performance and scalability
  - Availability outside of Switzerland
- Document and refine Test Automation **processes**
  - Quality aspects
  - Test Effort Estimation
  - Lifecycle management of Test Artefacts
  - Test data management

# Questions & Answers

