



Implementation Of CaseMaker In MIS BU – Comverse

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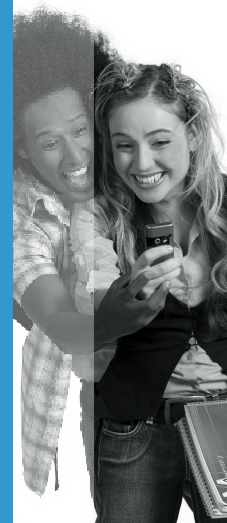
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Agenda

Introduction

Testing at Comverse before
Decision to buy CaseMaker
Work activities with CaseMaker
Impact and ROI



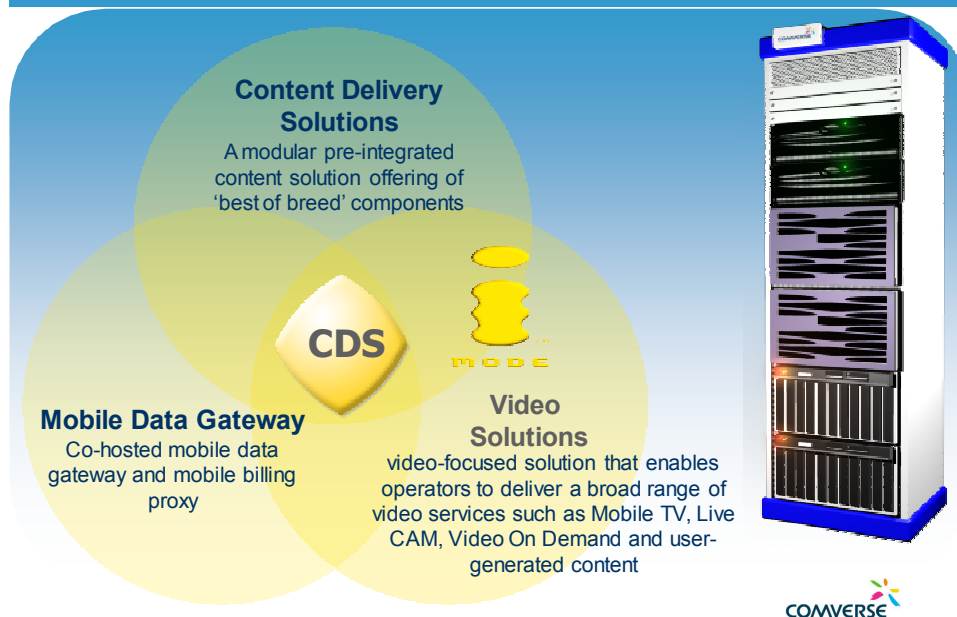
Comverse Company

- Comverse Technology, Inc. (NASDAQ: CMVT) is the world's leading provider of software and systems enabling network-based multimedia enhanced communications services.
- The company's Total Communication portfolio includes value-added messaging, personalized data and content-based services, and real-time converged billing solutions.
- Over 450 communication and content service providers in more than 120 countries.
- Worldwide market leaders in Voicemails and SMS systems.
- MIS (Mobile Internet Solutions) BU deploys i-mode systems, SI content data solutions, mobile gateway and billing proxy.

3



MIS BU Products – Overview



Agenda

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Testing At Comverse Before CaseMaker

- Test coverage:
 - According to simple standard methods and techniques (e.g. boundaries & state machine)
 - Additional based on an intuitive way of thinking of the test engineer
- Test data – manual writing overhead
- Human error factor: test writing and coverage analysis



Testing At Comverse After CaseMaker

- Test coverage:
 - Use of additional test coverage techniques (e.g. all-pairs)
 - Automatic creation of full optimal test coverage
 - Option to enlarge or reduce automatically test coverage
- Test data:
 - Automatically produced while TCs created
 - Use test data for automated tests
- Built-in analysis of test coverage
- Ability to track and correct human coverage errors and lack in coverage – improve old and new TCs
- Easy integration with HP (MERCURY) automation test tools



Agenda

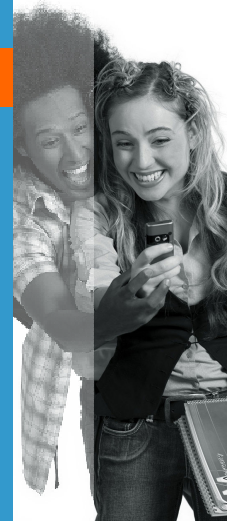
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Decision To Buy CaseMaker

- We saw the optional advantages in the tool
- Perform POC for i-mode mail services tests: reduce from ~130M to ~800 test cases
- Proved ROI after POC:
 - Manual vs. automated test cases creation
 - Optimal testing coverage
- Optional for additional career-path for Test Engineers
- Integration with automation tools



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Work Activities With CaseMaker

- POC i-mode mail services
- i-mode mail services – automated sanity actions and test data creation using Business-Rules
- i-mode Streaming service
- Customer-Care web interface
- i-mode Billing services
- API: test data generated



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Impact And ROI

- Impact:
 - Improvement in testing coverage
 - Creation of test data for automated scripts in less time then required manually
- ROI:
 - In streaming we saved 2 man weeks out of 2 man months and improved the test coverage initially generated
 - In API we saved 3-4 times the duration required for manual tests, more then that better coverage – as part of automation script as well



THANK YOU

