



4 November 2010 Rik Marselis

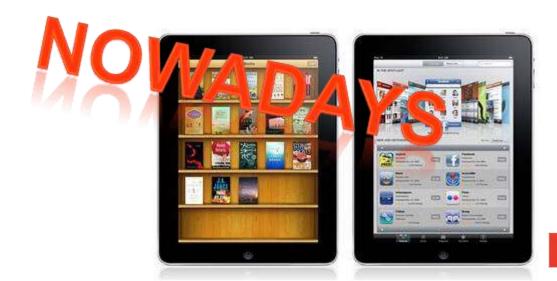
De 16e Nederlandse **TESTDAG**



Buying a book







Introducing: Rik Marselis

- Senior Test consultant (& teststrategist)
- Over 30 years in IT
- Over 15 years in testing & quality assurance

• Involved in TEST NET and BNTQB ISTOR

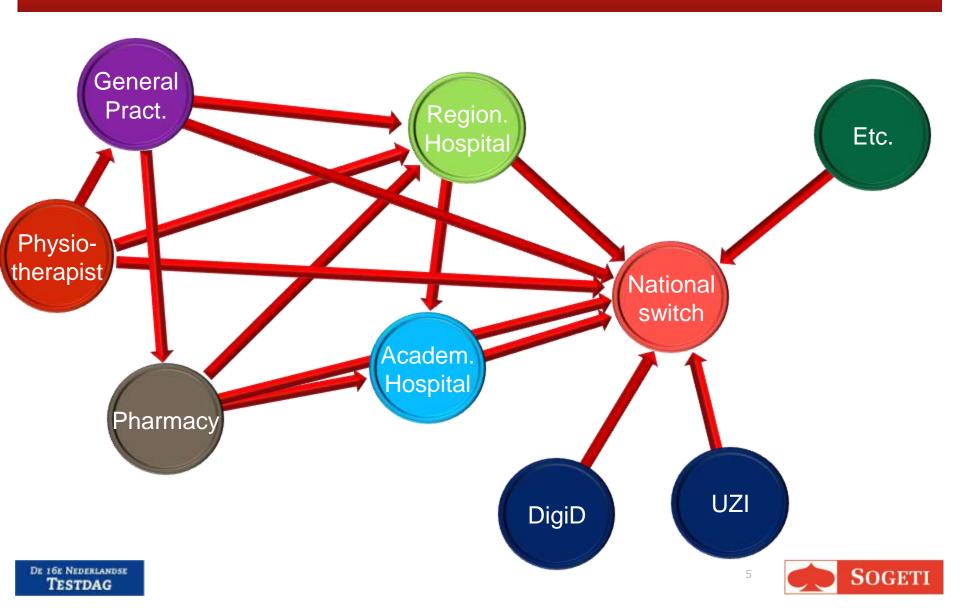
- Advisor at various organizations
- Leader expert group E2E-testing
- Author of books and articles
- Trainer for various test-trainings
- TMap & ISTQB certified
- Prince2 practitioner, CMMI en CISA



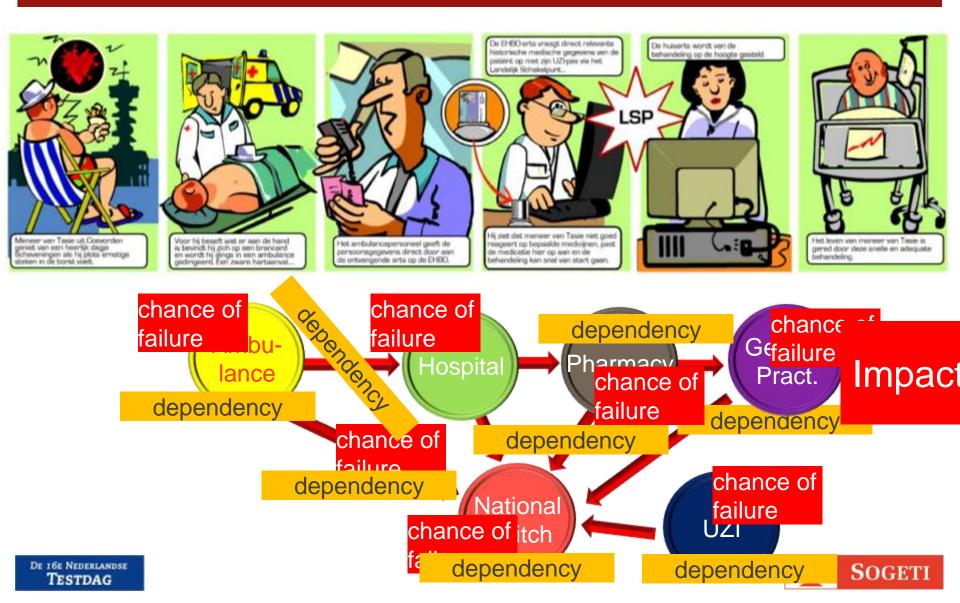
From IT to BT

- We are on the eve of Business Technology (BT)
- IT is a commodity, computers are a fact of life
- How you use computers in your business process → that is the key difference between success and failure
- Business processes keep growing more and more complex
- What's the impact of BT on testing?
 - End-to-end testing the business processes
 - Testing of various systems must be linked
 - Every test must have a comparable maturity level

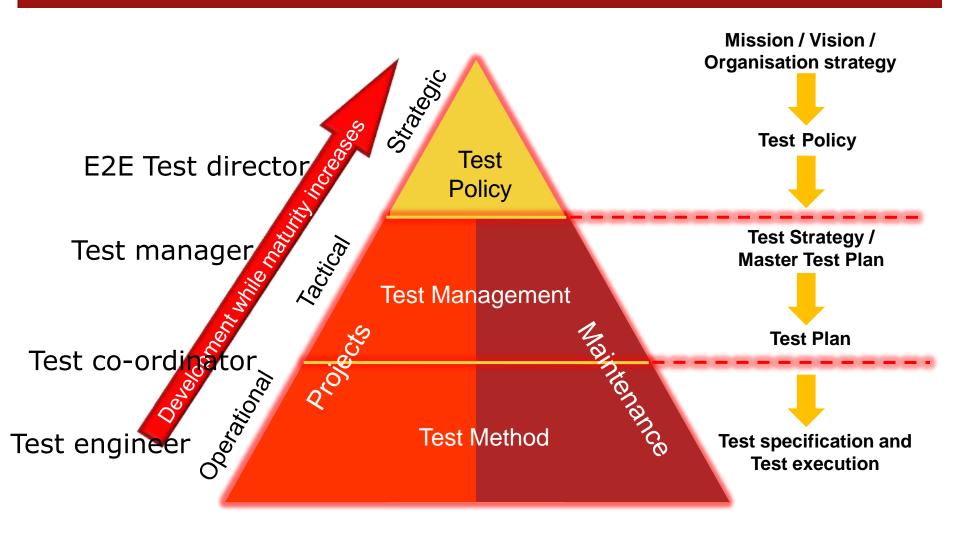
EPD (electronic patient file) - a chain of systems



Chance of failure all over, impact at the end



Natural development while maturity grows







So many test levels! Do we need E2E?



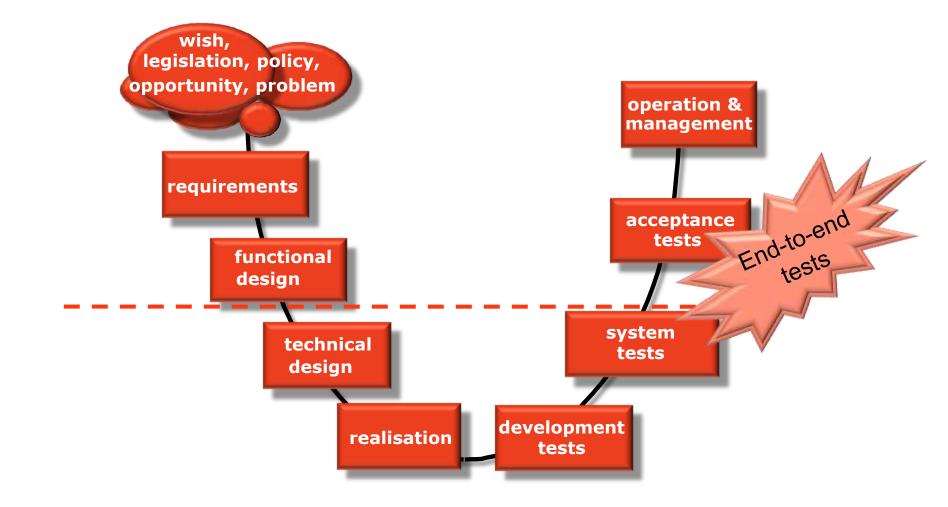
E2E test: testing the process!



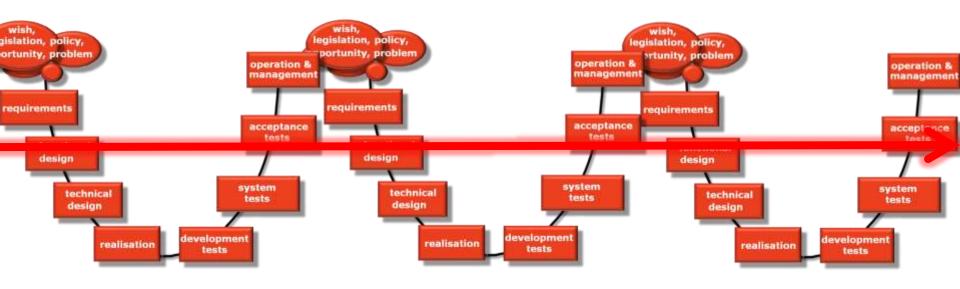




V-model: parties involved



An end-to-end test??





End-to-end test exceeds scope of project; the challenge of the E-to-E test director

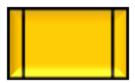
Business process



Chain of systems











Involvement

Project

Maintenance: Maintenance: release

No activities

Stable system: no testset available

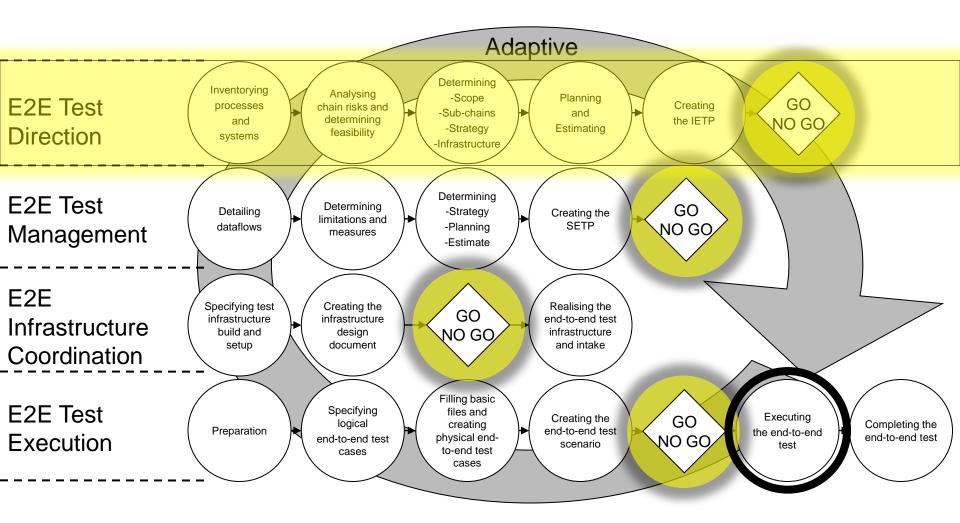
COTSsoftware: no documentation available

Note: systems often in various organizations





End-to-end test process







A chain is only as strong as the weakest link

- Chains grow across organisations
- Damage inflicts all chain partners
- E-mail, SOA and the internet make data exchange simple but are a threat for structured business processes
- Increasing customer demands reduce tolerance for failures (and on the internet any failure is immediately visable for the customer!)

The answer to these challenges: End-to-end testing





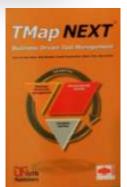
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http://www.tmap.net/Home/TMap/ketentesten.jsp http://eng.tmap.net/Home/TMap/E2E_Testing.jsp













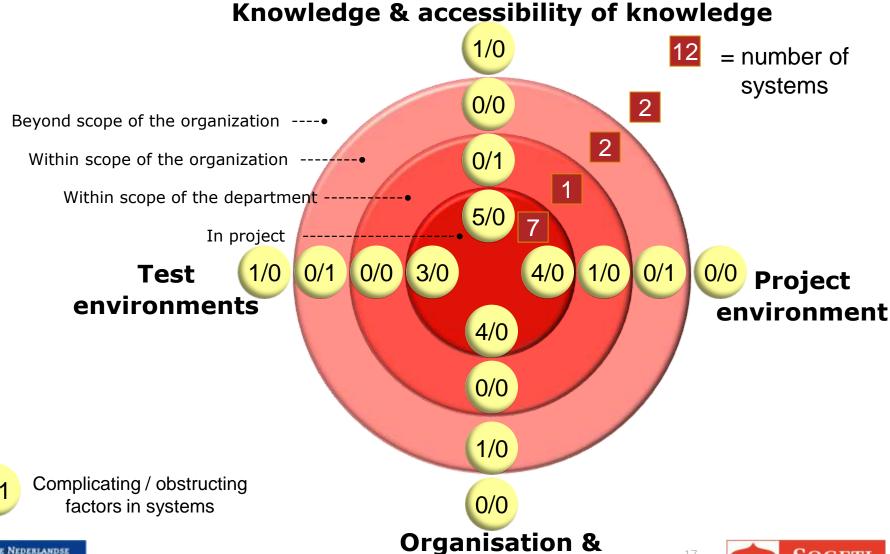






The slides after this slide are meant to be used while answering questions

Feasibility analysis

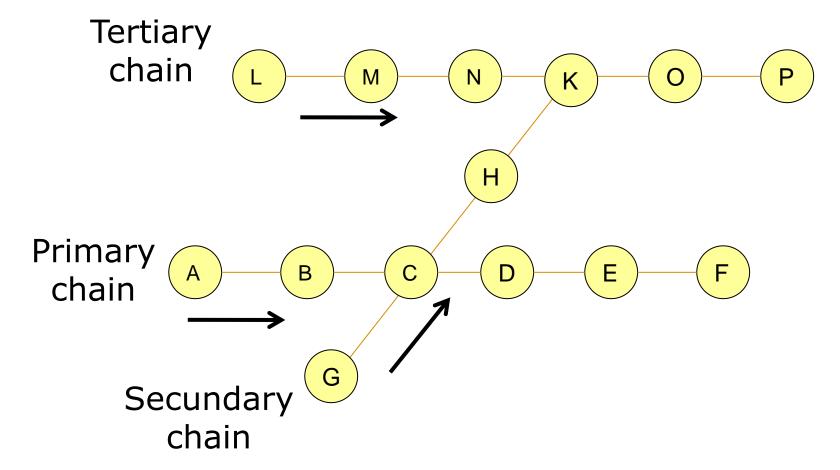


management





Types of chains; dependencies







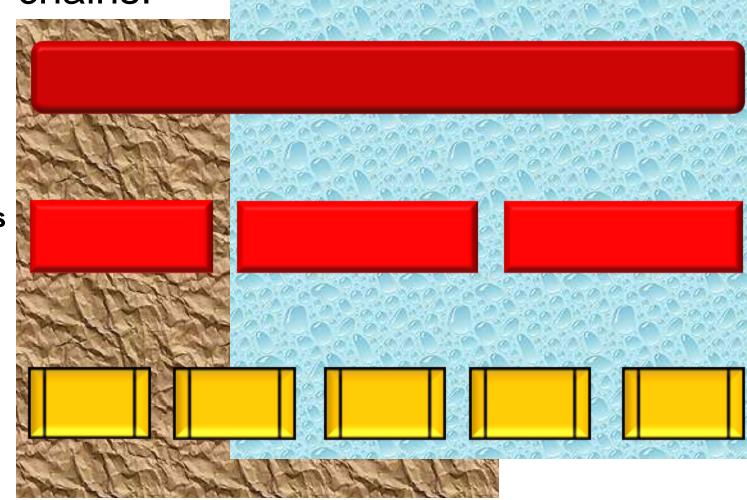
End-to-end testing not feasible?

Test sub-chains!

Business process

Sub-processes

Chain of systems



End-to-end testing with TMap NEXT®

- Find faults across and beyond projects
- Find faults in business processes
- Builds confidence in business processes
- Excellent business case (it prevents damage, especially to the image of the organization)

"End-to-end testing with TMap NEXT® provides the method, activities, tools and examples to handle the complexity of end-to-end testing."



