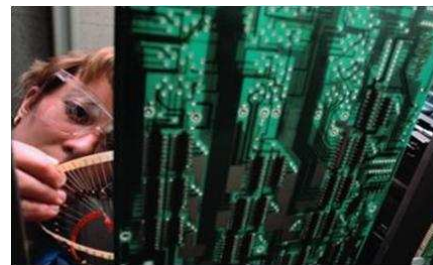




Knock, knock, knockin' on infrastructure's doors



*TestNetnajaarsevenement2011CloudTesting
WimDemey(CTG)*

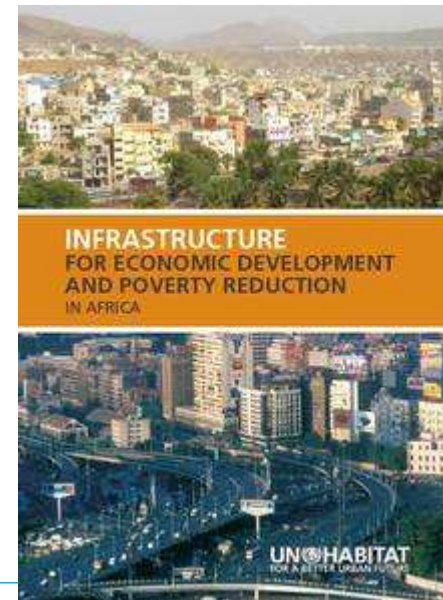


Agenda



- Infrastructure matters
- What about IT?
- Trends with impact on infrastructure
- Challenges for IT operations
- Current state of infrastructure testing
- Challenges for traditional testers
- Customer case
- Conclusions
- Questions

Infrastructure matters!



WhataboutIT?



- Impact of Facebook



- If Facebook was a country -> third biggest country (750 million users)

RANK	COUNTRY	POPULATION	DATE OF INFORMATION
1	<u>China</u>	1,336,718,015	July 2011 est.
2	<u>India</u>	1,189,172,906	July 2011 est.
3	<u>United States</u>	313,232,044	July 2011 est.

- 20 million Facebook applications installed every day
- >30 billion pieces of content shared each month
- 10,000 new websites integrate with Facebook every day
- >250 million active users access Facebook through mobile devices
- 200 mobile operators in 60 countries deploy and promote Facebook products

Trends with impact on infrastructure

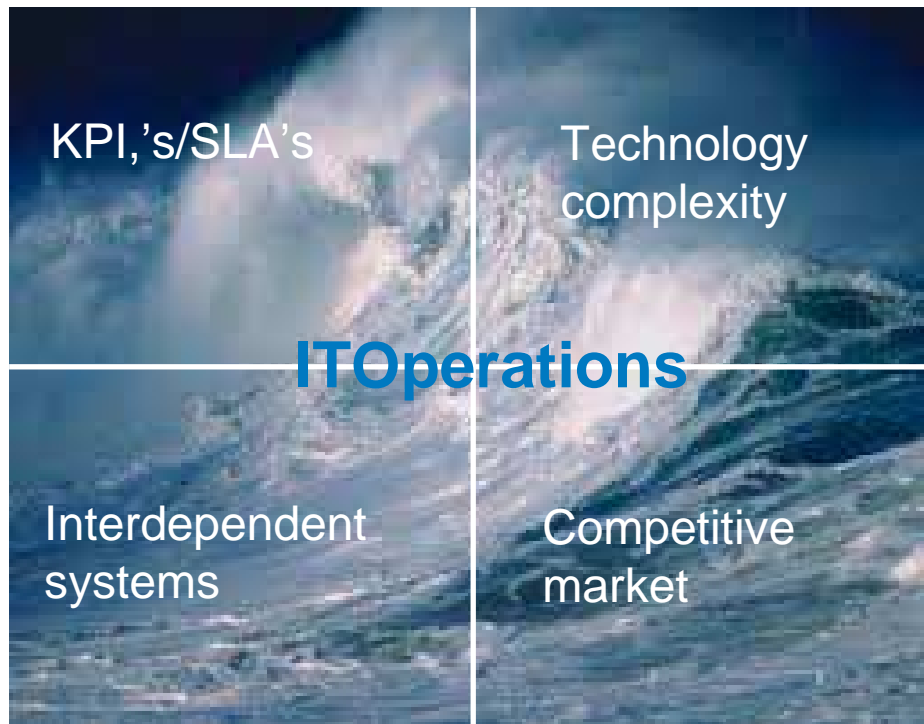


- Virtualization of everything
- Growing data storage
- Cloud computing
- Focus on data center energy efficiency

Challenges for IT Operations



- IT Operations storm



⇒ Conflict of interests between quality and daily tasks

⇒ Increased risk on major failures due to human factors & processes

Current state of infrastructure testing



- Infrastructure testing is immature due to many factors
 - Wall between application development – IT operations
 - Patch and pray approach
 - Rely on “acquirer-supplier” or “buyer-builder” model
 - “Non-customer-facing” tests
 - Misuse of scheduled downtime and disaster recovery systems
 - Static table-top testing
 - Limited component testing

Challenges for traditional testers



1/What do we mean with infrastructure testing?

- No definition based on international standards available
- Different angle to define test activities in this domain
 - OSI model
 - Blackbox vs whitebox testing
 - Organizational structure

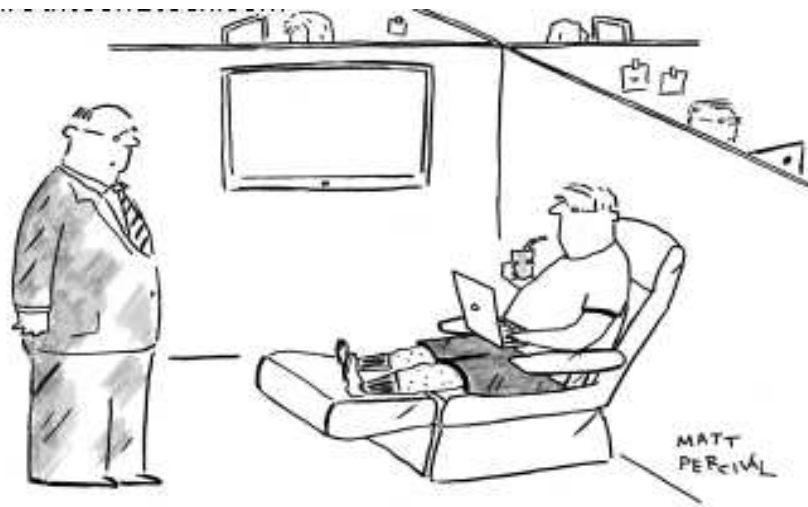
Infrastructure testing is any test activity performed as result of an intervention made on hardware, network and/or software components which are part of an integral infrastructure platform in order to facilitate applications in a managed and controlled way.

Challenges for traditional testers



2/How could we leave our comfort zone?

- No longer traditional GUI testing
- Perfect argument for IT to keep the door closed
- Often technical knowledge, skills needed
- Continuous learning is a must even in traditional testing areas



"Time to leave your comfort zone, Hoskins."

Challenges for traditional testers



3/How can we prove our added value?

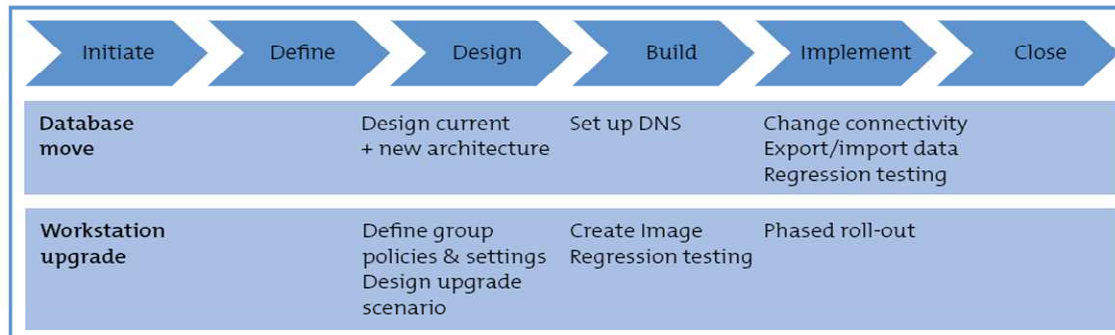
- Structured and phased approach remains the key
- Risk-based testing
- Keep it lean and mean
- Become one of them

Challenges for traditional testers



4/How different is infrastructure testing from application development testing?

- Content of traditional project lifecycle depends so much on type of infra project



- Defect analysis & management is by default interdisciplinary
- Agile character of infrastructure activities

Customer case

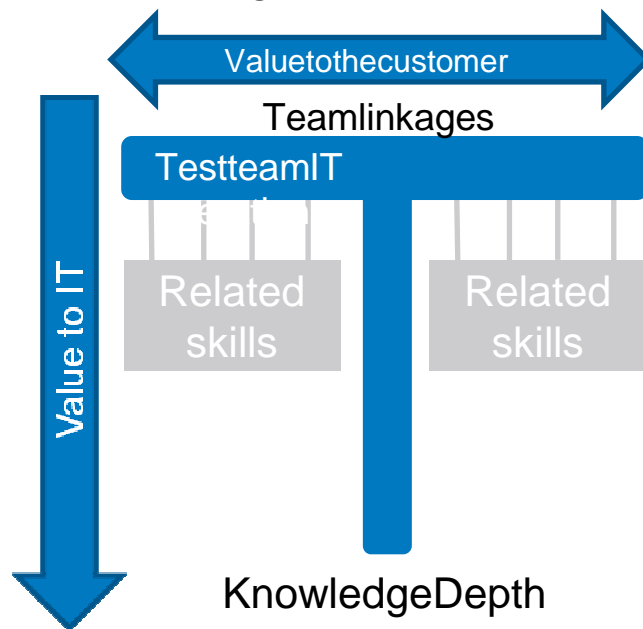


- Explain how infrastructure testing is implemented at customer (phases, covered domains, approach, roles & responsibilities)

Conclusions



- Infrastructure becomes crucial chunk in business chain
- Quality must be the rationale for infrastructure testing
- Structured & adapted testing approach proves added value
- Breakdown silos -> integrated teams



Questions



- Contactdetails

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