



PSTOB
ASSOCIAÇÃO PORTUGUESA
DE TESTES DE SOFTWARE

TESTING PORTUGAL 2017



🕒 28 DE NOVEMBRO

📍 ALTIS GRAND HOTEL, LISBOA



WinTrust
you Trust, you Win

Com o apoio de:

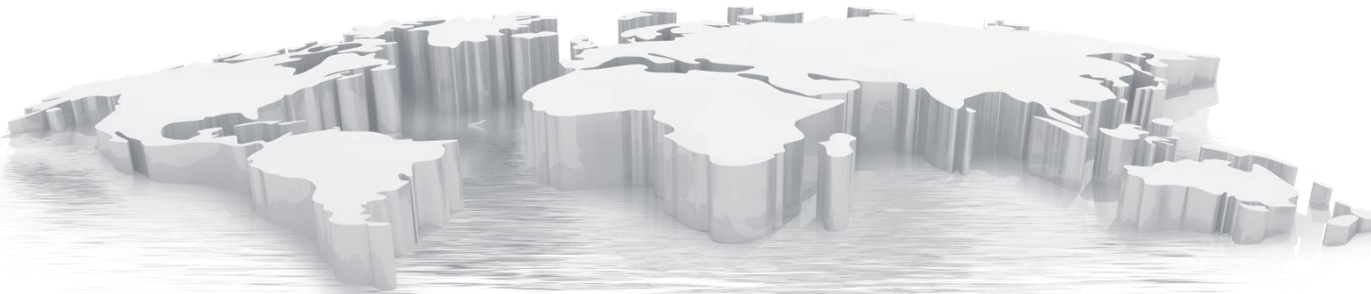




WinTrust
you trust. you win

The Global Independent Software Testing Company

DevOps: How to address Test Data?



Agenda

- Q Introduction
- Q Analogy with Test Automation
- Q TDM – Past Solutions
- Q TDM – New Trends
- Q Conclusion



Provocative Question:



Car Maintenance

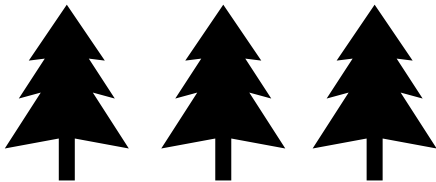
Do you...
Ask for the estimative cost?
or
Ask for the service hour rate?

Analogy with Test Automation



Cutting tree with a handsaw

Cutting tree with a chainsaw



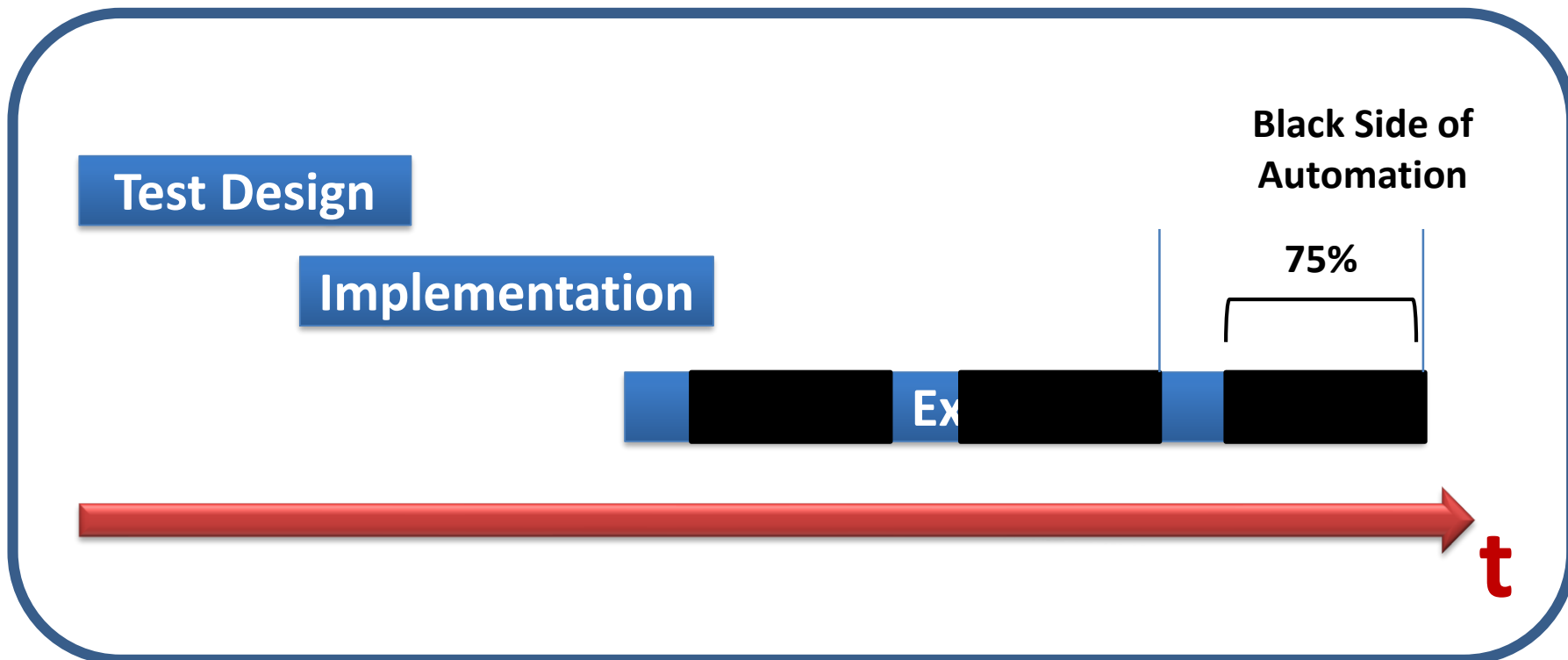
Analogy with Test Automation

Fuel Capacity



Analogy with Test Automation

In Test Automation



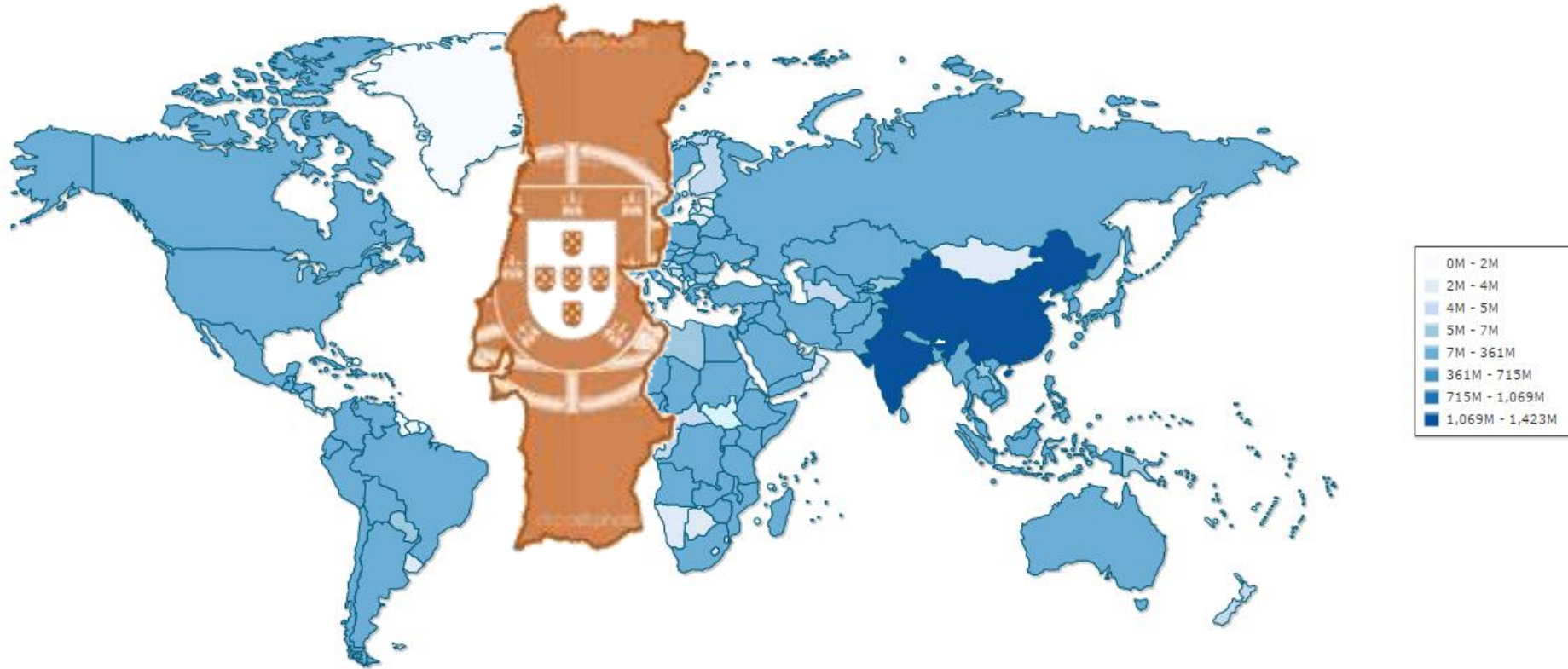
$$10 \times 20 \text{ €} =$$

200 €

$$2,5 \times 40 \text{ €} =$$

100 €

Analogy with Test Automation

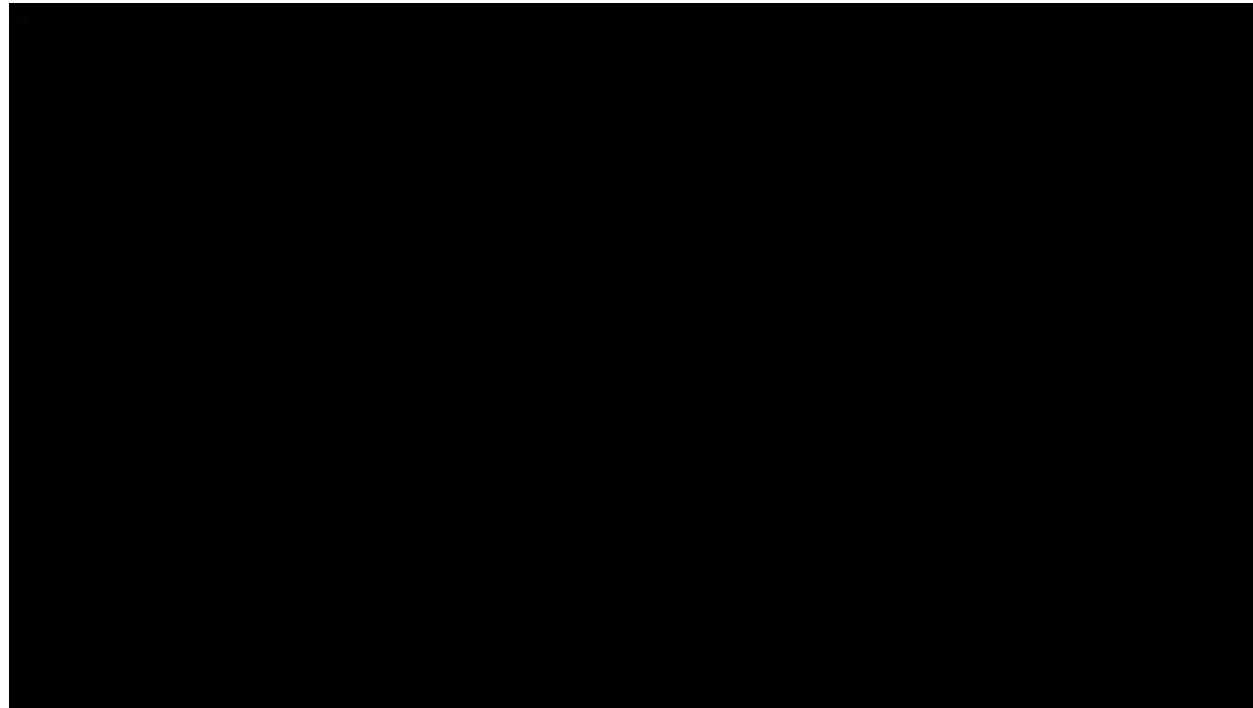


Every nation gets the country it deserves

Analogy with Test Automation



Analogy with Test Automation



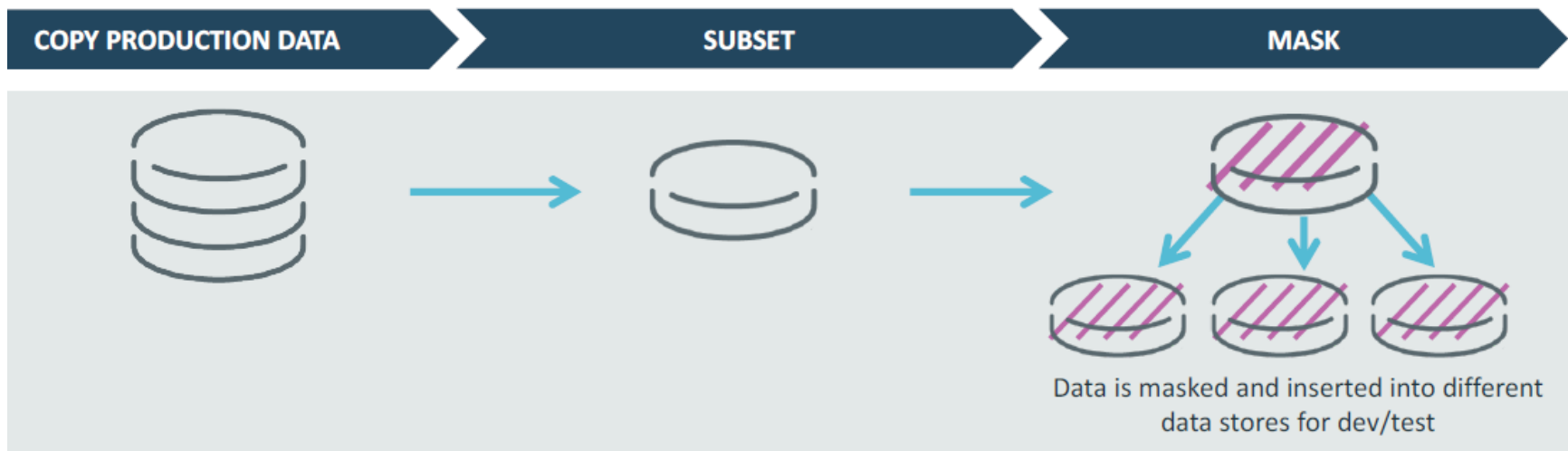
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Past Solutions

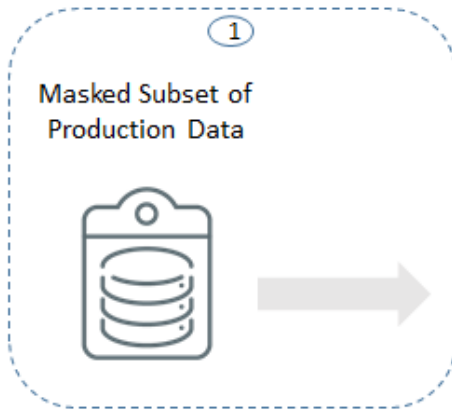
- 🔍 Copy production data
- 🔍 Create a subset from that copy
- 🔍 Data is masked and inserted into different data stores for dev/test



Source: 2016 March, CA Technologies, "The Right Data, in the Right Place, at the Right Time, in the Right Format"

Not good for Continuous Delivery

- 🔍 No data for new development
- 🔍 No negative or future test scenarios
- 🔍 High infrastructure costs
- 🔍 20%–30% coverage
- 🔍 Slow and error prone
- 🔍 Time wasted waiting for or looking for data
- 🔍 Business dynamics is too fast



1. Start with Masked copy of Production Data
2. Profile data, model it, and accurately measure its coverage
3. Define rich synthetic data generation tasks which provides 100% test data coverage
4. Create thousands of rows of complex, inter-related data in minutes (create Gold Copy)
5. Provide a Data 'Allocation' system for testers
6. Implementation Goal – Eliminate need for Production Data

Conclusion

- 🔍 Test Data is key for automation
- 🔍 Intelligent data sets are key for DevOps
- 🔍 ROI \neq Low price



What is the path
to put Portugal in the
Testing World Map?





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